

Thanos Salifoglou

Curriculum Vitae and List of Publications



**Aristotle University of Thessaloniki
Department of Chemical Engineering
THESSALONIKI**

THANOS S. SALIFOGLOU

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Aristotle University of Thessaloniki
Thessaloniki 54124
Greece
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+30-2310-996-196
Fax: +30-2310-996-196
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EDUCATION	Ph.D., Bioinorganic Chemistry The University of Michigan Ann Arbor, Michigan, USA	12/1987
	B.Sc. in Chemistry, with honors Aristotle University of Thessaloniki Thessaloniki, Greece	7/1982
ACADEMIC RECORD RESEARCH INTERESTS	Professor Aristotle University of Thessaloniki Thessaloniki, Greece Head of the Laboratory of Inorganic Chemistry and Advanced Materials	2008-present
	Head of the Chemistry Division Department of Chemical Engineering Aristotle University of Thessaloniki	2019-2021 2013-2015
	Director of the Graduate Program “Processes and Technology in Advanced Materials” Faculty of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece	2022-present 2008-2010

Current Research Interests

- Inorganic-organic hybrid surface-modified (dendrimers, liposomes and silica) and magnetic nanoparticles capable of transport, selective and specific delivery of molecular probes to neuro-loci in the brain for imaging. Bioinorganic vanadium, titanium, chromium, and zinc compounds with physiological and biomimetic substrates, as potential pharmaceuticals of anticarcinogenic, neuroprotective, adipogenetic and insulin mimetic activity. Signal transduction and genetic biomarkers. Synthetic, spectroscopic, magnetic, structural and biological studies of vanadium and zinc species bearing physiological and biomimetic hydroxycarboxylic acids. Controlled release of synthetic or naturally encountered molecules from (macro)molecular cages relevant to metallodrug

absorption and bio-activity processes. (Multi)functional materials with applications (sensors) in Biomedical Engineering diagnostic medicine and (nano)technology.

- Design and development of 3D (bio)printing technology for a) preparation of materials with antimicrobial properties, b) preparation of raw-starting materials for use in 3D printing applications (abiotic and biological), c) construction of scaffolds and histological grids for use in diagnostic and therapeutic approaches (diabetes, neurodegeneration, cancer) .
- Design, construction and use of microfluidic devices with applications in molecular biology (human) pathophysiology (support of musculoskeletal system, maintenance of human histological integrity) under extreme conditions (lack of gravity).
- Bioinformatics in the establishment of knowledge on properties and processes of biological molecular nanonetworks relevant to cellular (patho)physiologies linked to disease onset, progression, diagnosis, and drug administration (theranostics).
- Design and development of technological approaches linked to metal-catalyzed oxidative damage of biological tissues. Oxidative stress in neurodegeneration. Development of selective chemosensors of essential and non-essential metal ions in relation to clinically pathological conditions in neurodegenerative diseases. Diagnostic molecular biomarkers in Mild Cognitive Impairment and Alzheimer's dementia.
- Carcinogenic metal ions in the transcriptional activation of signal transducing H_{α} -Ras genes through DNA minisatellites in the human genome. Interactions of heavy metal and biotoxic metal ions with DNA minisatellites and consequences in the metallobiological pathways leading to carcinogenesis. Development of biomarker technologies correlating biotoxic metal ion-DNA minisatellite interactions with diagnosis (or even prognosis) of aberrant processes in signal transduction pathways.
- Biotoxic metal ions in the pathogenesis of neurodegenerative diseases (Alzheimer, etc.) and neoplasias (carcinogenesis). Linkage of soluble inorganic complex species (environmental metallotoxins) with processes involving interactions of biotoxic metal ions with defined cellular targets, structural speciation, bioavailability and etiopathogenetic biochemical reactivity. Development of (nano)molecular sensors and diagnostic tools for the immediate detection of early neurodegenerative events. Correlation of toxicity-neurodegeneration at the molecular level.
- Development of metallofluorimetric chemosensor technology for the selective detection and quantitative determination of metallotoxins and metallotoxin pollutants in environmental and biological fluids through the use of HPLC-PCD chromatography. Monitoring applications in environmental protection and metal ionic homeostasis at the cellular level.
- Surface-modified nanoparticles (dendrimers, liposomes and silica) in the selective separation and recovery of toxic and heavy metal ions from water resources in the environment. Fundamental structure-function correlations in nanoparticle physicochemical nature and reactivity supporting the development of technology management of metallotoxins in the environment.

- Synthesis of inorganic and inorganic-organic hybrid materials at low temperatures with specific chemical catalytic, physical structural and magnetic properties. Emphasis is given to the synthesis of single molecule magnets and chains as advanced materials at the nanotechnological level
- Natural antioxidants and pro-oxidant metal ionic materials in human nutrition. Mechanisms of pro-oxidant metals and antioxidant behavior of natural products through the use of experimental models in human physiology
- Design, synthesis, spectroscopic and structural characterization of biomimetic inorganic complexes as minimal representations of the active site metalloclusters in metalloenzymes. Development of catalytic processes involving small molecule activation through the employment of low molecular mass metal-ionic materials

Associate Professor 2004-2007
Aristotle University of Thessaloniki
 Thessaloniki, Greece

Associate Professor 2002-2003
University of Crete, Heraklion, Greece.

Assistant Professor 1996 - 2001
University of Crete, Heraklion, Greece.

Research Scientist 1993 - 1995
Massachusetts Institute of Technology, Cambridge,
 Massachusetts, USA
 Comparative investigation of the effects of inorganic nutrients in the growth of the wild type methanotrophic bacteria *Methylococcus capsulatus* and *Methylosinus trichosporium*. Development of large scale growth of the wild type isotopically enriched (⁵⁷Fe, ⁵⁴Fe) methanotrophic bacterium *Methylococcus capsulatus*. Investigation of biological activity, chemical and structural properties of substitutionally derivatized hydroxylase enzyme in *Methylococcus capsulatus*. Cloning and expression of methanotrophic bacterial genes in *E. coli*.

Special Scientific Staff 1993
New England Medical Center/Tufts University, Boston,
 Massachusetts, USA.
 Investigation of the functional capabilities of H_α-RAS gene minisatellites in human cell extracts. Instability of telomeric gene minisatellites and interactions with transcription factors in carcinogenesis. Phylogeny and functional implications of recombinatorial chi (χ) sequence signals in genes across the evolutionary spectrum of species.

Postdoctoral Associate 1990 - 1992

Massachusetts Institute of Technology, Cambridge,
Massachusetts, USA

Development of high yield, high activity biochemical techniques for isolation and purification of the metalloenzyme enzyme methane monooxygenase (MMO). Development of protocols for large scale fermentations of the methanotrophic bacteria *Methylococcus capsulatus* and *Methylosinus trichosporium*. Cloning, DNA sequencing and expression of the alpha subunit of the MMO hydroxylase protein in *E. coli*. Design and development of large scale growth for recombinant *E. coli* organisms.

NATO Postdoctoral Research Associate

1988 - 1990

Massachusetts Institute of Technology, Cambridge,
Massachusetts, USA

New methods of high yield extraction, purification and spectroscopic/structural characterization of the cofactor of the molybdenum nitrogenase enzyme. Development of growth medium and protocols for high yield pilot plant fermentations of the nitrogen fixing bacterium *Azotobacter vinelandii*. Isolation, purification and characterization of the metalloenzyme nitrogenase and its protein components.

Research Assistant

1983 - 1987

The University of Michigan, Ann Arbor,
Michigan, USA

Design of stoichiometric and structural models of metal containing active sites of proteins and enzymes involved in biological electron transfer and catalysis. Synthesis, reactivity investigation, spectroscopic and X-ray structural characterization of inorganic heterometallic clusters as potential models for the active sites of metalloenzymes.

Research Trainee

Summer 1981

Max-Planck Institute for Radiation Chemistry,
Mülheim an der Ruhr, Germany

Mechanistic studies and reactivity exploration of organic compounds using γ -irradiation techniques.

**TECHNICAL
SKILLS**

Design, synthesis and physicochemical characterization techniques (UV/Visible, Fluorescence, FTIR, NMR of paramagnetic materials, heteronuclear NMR (solid state-solution) ESI-MS, UPLC-ESI-MS, GC, GC-MS, MALDI-MS, HPLC, HPLC-PCD, Electrochemistry, TGA-DTG, DSC) of inorganic and organometallic materials (employment of anaerobic techniques). Single crystal X-ray crystallographic techniques. Operation and maintenance of X-ray powder and single crystal X-ray diffractometers. Biophysical techniques (Mössbauer, EPR, EXAFS) as probes of active site metal centers in metalloenzymes. Biochemical techniques, biological assays, etc. for aerobic and

anaerobic protein isolation, purification and characterization.
PCR, DNA sequencing, cloning and expression of recombinant proteins,
immunohistochemistry. Development of medium and protocols
for microbial cell growth (aerobic and anaerobic bacteria).
Large scale fermentations of recombinant *E. coli*.
Operation and maintenance of fermentation facility.
Purification of recombinant *E. coli* proteins.

**TEACHING
EXPERIENCE**

Professor

2022 - 2023

Undergraduate Course Title: “Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Chemistry Laboratory I –
Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Biotechnology”

Department of Chemical Engineering

Undergraduate Course Title: “Diploma Thesis”

Department of Chemical Engineering

Undergraduate Course Title: “Chemistry”

Department of Mechanical Engineering

Undergraduate Course Title: “Genetic Engineering”

Department of Chemical Engineering

Undergraduate Course Title: “Environmental Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Biomaterials”

Department of Chemical Engineering

Undergraduate Course Title: “Industrial Inorganic Chemistry”

Department of Chemical Engineering

Graduate Course Title: “Chemical and Biochemical Kinetics”

Graduate Course Title: “Measurement Principles and Methodology-
Advanced Instrumental Analysis”

Graduate Course Title: “Biotechnology”

Graduate Course Title: “Diploma Thesis”

Graduate Program

“Chemical and Biomolecular Engineering”

Department of Chemical Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Graduate Course Title: “Mechanical properties of Materials”

Graduate Course Title: “Biomanufacturing and Tissue Engineering”

Graduate Program

“Biomedical Engineering”

Faculty of Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Undergraduate Course Title: “General and Inorganic Chemistry”

Hellenic Open University, Patras, Greece

Graduate Course Title: “Methods of Study and Characterization of Materials”

Graduate Course Title: “Modern Methods of Synthesis and Analysis of Bioactive Compounds and Applications”

Graduate Course Title: “Biomaterials”

Graduate Course Title: “Diploma Thesis”

Graduate Course Title: “Research Methodology”

“Processes and Technology in Advanced Materials”

Faculty of Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Graduate Course Title: “Bio-Inorganic Chemistry”

Graduate Course Title: “Physicochemical, spectroscopic and biochemical methods in Bioinorganic Chemistry”

Inter-University Graduate Program

“Inorganic Biological Chemistry”

University of Ioannina, Ioannina, Greece

Graduate Course Title: “Metallo-Biological Processes in Health and the Environment”

Department of Chemistry and Biology

West University of Timisoara, Timisoara, Romania

Head of Training of undergraduate students of the Department of Chemical Engineering in "**Safety and Protection in Chemical and Biological Laboratories**"

Department of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki.

In collaboration with the

- a) Civil Protection Team of Aristotle University of Thessaloniki
- b) Training Service of the Fire protection of the Central Fire Department Command in Thessaloniki
- c) Medical School Aristotle University of Thessaloniki and A' Pathology Clinic of AHEPA University Hospital
- d) Head of the Administration on “Laboratory Health and Safety Services” Consultant Firm “Samaras & Associates Ltd.”, Quality and Safety Consultants

Professor

2021 - 2022

Undergraduate Course Title: “Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Chemistry Laboratory I – Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Biotechnology”

Department of Chemical Engineering

Undergraduate Course Title: “Diploma Thesis”

Department of Chemical Engineering

Undergraduate Course Title: “Chemistry”

Department of Mechanical Engineering
Undergraduate Course Title: “Genetic Engineering”
Department of Chemical Engineering
Undergraduate Course Title: “Environmental Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Biomaterials”
Department of Chemical Engineering
Undergraduate Course Title: “Industrial Inorganic Chemistry”
Department of Chemical Engineering

Graduate Course Title: “Chemical and Biochemical Kinetics”
Graduate Course Title: “Measurement Principles and Methodology-
Advanced Instrumental Analysis”
Graduate Course Title: “Biotechnology”
Graduate Course Title: “Diploma Thesis”
Graduate Program
“Chemical and Biomolecular Engineering”
Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece

Graduate Course Title: “Mechanical properties of Materials”
Graduate Course Title: “Biomanufacturing and Tissue Engineering”
Graduate Program
“Biomedical Engineering”
Faculty of Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece

Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece

Graduate Course Title: “Methods of Study and Characterization of
Materials”
Graduate Course Title: “Modern Methods of Synthesis and Analysis of
Bioactive Compounds and Applications”
Graduate Course Title: “Biomaterials”
Graduate Course Title: “Diploma Thesis”
Graduate Course Title: “Research Methodology”
“Processes and Technology in Advanced Materials”
Faculty of Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece

Graduate Course Title: “Bio-Inorganic Chemistry”
Graduate Course Title: “Physicochemical, spectroscopic and biochemical
methods in Bioinorganic Chemistry”
Inter-University Graduate Program
“Inorganic Biological Chemistry”
University of Ioannina, Ioannina, Greece

Graduate Course Title: “Metallo-Biological Processes in Health and the
Environment”

Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Head of Training of undergraduate students of the Department of Chemical Engineering in "**Safety and Protection in Chemical and Biological Laboratories**"

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- c) Medical School Aristotle University of Thessaloniki and A' Pathology Clinic of AHEPA University Hospital
- d) Head of the Administration on "Laboratory Health and Safety Services" Consultant Firm "Samaras & Associates Ltd.", Quality and Safety Consultants

Professor

2020 - 2021

Undergraduate Course Title: "Inorganic Chemistry"

Department of Chemical Engineering

Undergraduate Course Title: "Chemistry Laboratory I – Inorganic Chemistry"

Department of Chemical Engineering

Undergraduate Course Title: "Biotechnology"

Department of Chemical Engineering

Undergraduate Course Title: "Diploma Thesis"

Department of Chemical Engineering

Undergraduate Course Title: "Chemistry"

Department of Mechanical Engineering

Undergraduate Course Title: "Gene Metallobiology and Engineering"

Department of Chemical Engineering

Undergraduate Course Title: "Environmental Chemistry"

Department of Chemical Engineering

Undergraduate Course Title: "Biomaterials"

Department of Chemical Engineering

Undergraduate Course Title: "Industrial Inorganic Chemistry"

Department of Chemical Engineering

Graduate Course Title: "Chemical and Biochemical Kinetics"

Graduate Course Title: "Measurement Principles and Methodology-Advanced Instrumental Analysis"

Graduate Course Title: "Biotechnology"

Graduate Course Title: "Diploma Thesis"

Graduate Program

"Chemical and Biomolecular Engineering"

Department of Chemical Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece

Graduate Course Title: “Methods of Study and Characterization of Materials”

Graduate Course Title: “Modern Methods of Synthesis and Analysis of Bioactive Compounds and Applications”

Graduate Course Title: “Biomaterials”

Graduate Course Title: “Diploma Thesis”

Graduate Course Title: “Research Methodology”

“Processes and Technology in Advanced Materials”

Faculty of Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Graduate Course Title: “Bio-Inorganic Chemistry”

Graduate Course Title: “Physicochemical, spectroscopic and biochemical methods in Bioinorganic Chemistry”

Inter-University Graduate Program

“Inorganic Biological Chemistry”

University of Ioannina, Ioannina, Greece

Graduate Course Title: “Metallo-Biological Processes in Health and the Environment”

Department of Chemistry and Biology

West University of Timisoara, Timisoara, Romania

Head of Training of undergraduate students of the Department of Chemical Engineering in "**Safety and Protection in Chemical and Biological Laboratories**"

Department of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki.

In collaboration with the

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- b) Training Service of the Fire protection of the Central Fire Department Command in Thessaloniki
- c) Medical School Aristotle University of Thessaloniki and A' Pathology Clinic of AHEPA University Hospital
- d) Head of the Administration on “Laboratory Health and Safety Services” Consultant Firm “Samaras & Associates Ltd.”, Quality and Safety Consultants

Professor

2019 - 2020

Undergraduate Course Title: “Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Chemistry Laboratory I – Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Biotechnology”

Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
Department of Chemical Engineering
Undergraduate Course Title: “Chemistry”
Department of Mechanical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
Department of Chemical Engineering
Undergraduate Course Title: “Environmental Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Biomaterials”
Department of Chemical Engineering
Undergraduate Course Title: “Industrial Inorganic Chemistry”
Department of Chemical Engineering

Graduate Course Title: “Chemical and Biochemical Kinetics”
Graduate Course Title: “Measurement Principles and Methodology-
Advanced Instrumental Analysis”
Graduate Course Title: “Diploma Thesis”
Graduate Program
“Chemical and Biomolecular Engineering”
Department of Chemical Engineering

Graduate Course Title: “Diploma Thesis”
“Processes and Technology in Advanced Materials”
Faculty of Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece

Graduate Course Title: “Bio-Inorganic Chemistry”
Graduate Course Title: “Physicochemical, spectroscopic and biochemical
methods in Bioinorganic Chemistry”
Inter-University Graduate Program
“Inorganic Biological Chemistry”
University of Ioannina, Ioannina, Greece

Graduate Course Title: “Metallo-Biological Processes in Health and the
Environment”
Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Head of Training of undergraduate students of the Department of
Chemical Engineering in "**Safety and Protection in Chemical and
Biological Laboratories**"

Department of Chemical Engineering, Aristotle University of
Thessaloniki, Thessaloniki.

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- a) Civil Protection Team of Aristotle University of Thessaloniki
- b) Training Service of the Fire protection of the Central Fire Department
Command in Thessaloniki

- c) Medical School Aristotle University of Thessalonki and A' Pathology Clinic of AHEPA University Hospital
- d) Head of the Administration on "Laboratory Health and Safety Services" Consultant Firm "Samaras & Associates Ltd.", Quality and Safety Consultants

Professor

2018 - 2019

Undergraduate Course Title: "Inorganic Chemistry"

Department of Chemical Engineering

Undergraduate Course Title: "Chemistry Laboratory I – Inorganic Chemistry"

Department of Chemical Engineering

Undergraduate Course Title: "Biotechnology"

Department of Chemical Engineering

Undergraduate Course Title: "Diploma Thesis"

Department of Chemical Engineering

Undergraduate Course Title: "Chemistry"

Department of Mechanical Engineering

Undergraduate Course Title: "Gene Metallobiology and Engineering"

Department of Chemical Engineering

Undergraduate Course Title: "Environmental Chemistry"

Department of Chemical Engineering

Undergraduate Course Title: "Biomaterials"

Department of Chemical Engineering

Undergraduate Course Title: "Nanotechnology and Soft Matter"

School of Modern Greek Language

Graduate Course Title: "Chemical and Biochemical Kinetics"

Graduate Course Title: "Measurement Principles and Methodology-Advanced Instrumental Analysis"

Graduate Program

"Chemical and Biomolecular Engineering"

Department of Chemical Engineering

Graduate Course Title: "Methods and Study of Characterization of Materials"

Graduate Course Title: "Research Methodology"

Graduate Program

Graduate Course Title: "Biomaterials"

"Processes and Technology in Advanced Materials"

Faculty of Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Graduate Course Title: "Bio-Inorganic Chemistry"

Graduate Course Title: "Physicochemical, spectroscopic and biochemical methods in Bioinorganic Chemistry"

Inter-University Graduate Program

"Inorganic Biological Chemistry"

University of Ioannina, Ioannina, Greece

Graduate Course Title: "Metallo-Biological Processes in Health and the Environment"

Department of Chemistry and Biology

West University of Timisoara, Timisoara, Romania

Head of Training of undergraduate students of the Department of Chemical Engineering in "**Safety and Protection in Chemical and Biological Laboratories**"

Department of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki.

In collaboration with the

- a) Civil Protection Team of Aristotle University of Thessaloniki
- b) Training Service of the Fire protection of the Central Fire Department Command in Thessaloniki
- c) Head of the Administration on "Laboratory Health and Safety Services" Consultant Firm "Samaras & Associates Ltd.", Quality and Safety Consultants

Professor

2017 - 2018

Undergraduate Course Title: "Inorganic Chemistry"

Department of Chemical Engineering

Undergraduate Course Title: "Chemistry Laboratory I – Inorganic Chemistry"

Department of Chemical Engineering

Undergraduate Course Title: "Biotechnology"

Department of Chemical Engineering

Undergraduate Course Title: "Gene Metallobiology and Engineering"

Department of Chemical Engineering

Undergraduate Course Title: "Industrial Inorganic Chemistry"

Department of Chemical Engineering

Undergraduate Course Title: "Ceramics"

Department of Chemical Engineering

Undergraduate Course Title: "Diploma Thesis"

Department of Chemical Engineering

Undergraduate Course Title: "Chemistry"

Department of Mechanical Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Graduate Course Title: "Bio-Inorganic Chemistry"

Graduate Course Title: "Physicochemical, spectroscopic and biochemical methods in Bioinorganic Chemistry"

Inter-University Graduate Program

"Inorganic Biological Chemistry"

University of Ioannina, Ioannina, Greece

Head of Training of undergraduate students of the Department of Chemical Engineering in "**Safety and Protection in Chemical and Biological Laboratories**"

Department of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki.

In collaboration with the

- a) Civil Protection Team of Aristotle University of Thessaloniki
- b) Training Service of the Fire protection of the Central Fire Department Command in Thessaloniki

c) Head of the Administration on “Laboratory Health and Safety Services” Consultant Firm “Samaras & Associates Ltd.”, Quality and Safety Consultants

Professor 2016 - 2017

Undergraduate Course Title: “Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Chemistry Laboratory I – Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Biotechnology”

Department of Chemical Engineering

Undergraduate Course Title: “Gene Metallobiology and Engineering”

Department of Chemical Engineering

Undergraduate Course Title: “Environmental Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Industrial Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Ceramics”

Department of Chemical Engineering

Undergraduate Course Title: “Diploma Thesis”

Department of Chemical Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Undergraduate Course Title: “General and Inorganic Chemistry”

Hellenic Open University, Patras, Greece

“Methods and Study of Characterization of Materials”

Graduate Course Title: “Research Methodology”

Graduate Program

“Processes and Technology in Advanced Materials”

Faculty of Engineering

Graduate Course Title: “Contemporary Methods of Synthesis and Analysis of Bioactive Compounds and Applications”

Graduate Program

Department of Chemical Engineering, Faculty of Engineering

Graduate Course Title: “Biomaterials”

Graduate Program

Department of Chemical Engineering, Faculty of Engineering and “Processes and Technology in Advanced Materials”

Faculty of Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Graduate Course Title: “Metallo-Biological Processes in Health and the Environment”

Department of Chemistry and Biology

West University of Timisoara, Timisoara, Romania

Head of Training of undergraduate students of the Department of Chemical Engineering in "**Safety and Protection in Chemical and Biological Laboratories**"

Department of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki.

In collaboration with the

- a) Civil Protection Team of Aristotle University of Thessaloniki
- b) Training Service of the Fire protection of the Central Fire Department Command in Thessaloniki
- c) Head of the Administration on “Laboratory Health and Safety Services” Consultant Firm “Samaras & Associates Ltd.”, Quality and Safety Consultants

Professor 2015 - 2016
Undergraduate Course Title: “Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I – Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Biomaterials”
Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
Department of Chemical Engineering
Undergraduate Course Title: “Environmental Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Graduate Course Title: “Methods and Study of Characterization of Materials”
Graduate Course Title: “Research Methodology”
Graduate Program
“Processes and Technology in Advanced Materials”
Faculty of Engineering
Graduate Course Title: “Contemporary Methods of Synthesis and Analysis of Bioactive Compounds and Applications”
Graduate Program
Department of Chemical Engineering, Faculty of Engineering
Graduate Course Title: “Biochemistry”
Graduate Program
Department of Chemical Engineering, Faculty of Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Graduate Course Title: “Metallo-Biological Processes in Health and the Environment”
Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor 2014 - 2015
Undergraduate Course Title: “Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I –

Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Biomaterials”
Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
Department of Chemical Engineering
Undergraduate Course Title: “Environmental Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
“Methods and Study of Characterization of Materials”
Graduate Course Title: “Advanced Biomaterials”
Graduate Program
“Processes and Technology in Advanced Materials”
Faculty of Engineering
Graduate Course Title: “Metallo-Biological Processes in Health and the Environment”
Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor 2013 - 2014
Undergraduate Course Title: “Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I – Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
Department of Chemical Engineering
Undergraduate Course Title: “Environmental Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Undergraduate Course Title: Antioxidant power in Food Engineering
Faculty of Food Processing Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara, Romania
Graduate Course Title: “Metallo-Biological Processes in Health and the Environment”
Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor 2012 – 2013
Undergraduate Course Title: “Inorganic Chemistry”

Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I –
Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Environmental Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Graduate Course Title:
“Methods and Study of Characterization of Materials”
Graduate Program
“Processes and Technology in Advanced Materials”
Faculty of Engineering
Graduate Course Title: “Metallo-Biological Processes in Health and the
Environment”
Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor 2011 - 2012
Undergraduate Course Title: “Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I –
Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Graduate Course Title:
“Methods and Study of Characterization of Materials”
Graduate Program
“Processes and Technology in Advanced Materials”
Faculty of Engineering
Graduate Course Title:
“Biomaterials”
Graduate Program
“Processes and Technology in Advanced Materials”
Faculty of Engineering
Aristotle University of Thessaloniki, Thessaloniki, Greece
Continuing Education Course for Medical Professionals
“Diagnostics in Alzheimer’s Dementia”
Panhellenic Institute of Neurodegenerative Diseases

Thessaloniki, Greece
Graduate Course Title: “Inorganic and Biological Chemistry”
Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor 2010 - 2011

Undergraduate Course Title: “Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I –
Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
Department of Chemical Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece

Graduate Course Title:
“Methods and Study of Characterization of Materials”
Graduate Program
“Processes and Technology in Advanced Materials”
Faculty of Engineering
Graduate Course Title:
“Biomaterials”
Graduate Program
“Processes and Technology in Advanced Materials”
Faculty of Engineering

Aristotle University of Thessaloniki, Thessaloniki, Greece
Graduate Course Title: “Inorganic and Biological Chemistry”
Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor 2009 - 2010

Undergraduate Course Title: “Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I –
Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
Department of Chemical Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece

Graduate Course Title:
“Methods and Study of Characterization of Materials”
Graduate Program
“Processes and Technology in Advanced Materials”

Faculty of Engineering
Aristotle University of Thessaloniki, Thessaloniki, Greece
Graduate Course Title: “Inorganic and Biological Chemistry”
Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Professor 2008 - 2009

Undergraduate Course Title: “Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I –
Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Graduate Course Title:
“Methods and Study of Characterization of Materials”
Graduate Program
“Processes and Technology in Advanced Materials”
Faculty of Engineering
Aristotle University of Thessaloniki, Thessaloniki, Greece
Graduate Course Title: “Inorganic and Biological Chemistry”
Department of Chemistry and Biology
West University of Timisoara, Timisoara, Romania

Associate Professor 2007 - 2008

Undergraduate Course Title: “Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Chemistry Laboratory I –
Inorganic Chemistry”
Department of Chemical Engineering
Undergraduate Course Title: “Gene Metallobiology and Engineering”
Department of Chemical Engineering
Undergraduate Course Title: “Diploma Thesis”
Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Undergraduate Course Title: “General and Inorganic Chemistry”
Hellenic Open University, Patras, Greece
Graduate Course Title:
“Bioinorganic Chemistry I” with emphasis on model
complexes in the active sites of non-heme iron-sulfur proteins,
and electron transfer in metallobiological systems
EPEAEK Graduate Program “Bioinorganic Chemistry”
Department of Chemistry, **U. of Ioannina**, Ioannina, Greece
Graduate Course Title: “Inorganic and Biological Chemistry”
Department of Chemistry and Biology

West University of Timisoara, Timisoara, Romania

Associate Professor

2006 - 2007

Undergraduate Course Title: “Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Chemistry Laboratory I –

Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Gene Metallobiology and Engineering”

Department of Chemical Engineering

Undergraduate Course Title: “Diploma Thesis”

Department of Chemical Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Undergraduate Course Title: “General and Inorganic Chemistry”

Hellenic Open University, Patras, Greece

Graduate Course Title:

“Bioinorganic Chemistry I” with emphasis on model complexes in the active sites of non-heme iron-sulfur proteins, and electron transfer in metallobiological systems

EPEAEK Graduate Program “Bioinorganic Chemistry”

Department of Chemistry, **U. of Ioannina, Ioannina, Greece**

Graduate Course Title: “Inorganic and Biological Chemistry”

Department of Chemistry and Biology

West University of Timisoara, Timisoara, Romania

Associate Professor

2005 - 2006

Undergraduate Course Title: “Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Inorganic Chemistry Laboratory I”

Department of Chemical Engineering

Undergraduate Course Title: “Inorganic Chemistry Laboratory II”

Department of Chemical Engineering

Undergraduate Course Title: “Diploma Thesis”

Department of Chemical Engineering

Aristotle U. of Thessaloniki, Thessaloniki, Greece

Undergraduate Course Title: “General and Inorganic Chemistry”

Hellenic Open University, Patras, Greece

Graduate Course Title:

“Bioinorganic Chemistry I” with emphasis on model complexes in the active sites of non-heme iron-sulfur proteins, and electron transfer in metallobiological systems

EPEAEK Graduate Program “Bioinorganic Chemistry”

Department of Chemistry, **U. of Ioannina, Ioannina, Greece**

Graduate Course Title: “Inorganic and Biological Chemistry”

Department of Chemistry and Biology

West University of Timisoara, Timisoara, Romania

Associate Professor

2004 - 2005

Undergraduate Course Title: “Inorganic Chemistry”

Department of Chemical Engineering

Undergraduate Course Title: “Inorganic Chemistry Laboratory I”
Department of Chemical Engineering
Undergraduate Course Title: “Inorganic Chemistry Laboratory II”
Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece

Associate Professor 2003 - 2004
Undergraduate Course Title: “Inorganic Chemistry Laboratory II”
Department of Chemical Engineering
Aristotle U. of Thessaloniki, Thessaloniki, Greece
Graduate Course Title:
“Advanced Spectroscopy” with emphasis in
X-ray crystallography.
EPEAEK Graduate Program “Isolation and Characterization of
Natural Products with Biological Activity”
Department of Chemistry, **U. of Crete**, Heraklion, Greece

Associate Professor 2002 - 2003
Undergraduate Course Title: “Inorganic Chemistry I”
Graduate Course Title:
“Advanced Spectroscopy” with emphasis in
X-ray crystallography.
EPEAEK Graduate Program “Isolation and Characterization of
Natural Products with Biological Activity”
Graduate/Elective Undergraduate Course Title:
“Metal Ions in Gene Regulation”.
Department of Chemistry, **U. of Crete**, Heraklion, Greece
Graduate Course Title:
“Bioinorganic Chemistry I” with emphasis on model
complexes in the active sites of non-heme iron-sulfur proteins,
and electron transfer in metallobiological systems
EPEAEK Graduate Program “Bioinorganic Chemistry”
Department of Chemistry, **U. of Ioannina**, Ioannina, Greece

Assistant Professor/Associate Professor 2001 - 2002
Undergraduate Course Title: “Inorganic Chemistry I”
Graduate Course Title:
“Advanced Spectroscopy” with emphasis in X-ray crystallography.
EPEAEK Graduate Program “Isolation and Characterization of
Natural Products with Biological Activity”
Graduate/Elective Undergraduate Course Title:
“Metal Ions in Diagnostic and Therapeutic Medicine,
and Pharmacology”.
Department of Chemistry, **U. of Crete**, Heraklion, Greece

Assistant Professor 2000 - 2001
Undergraduate Course Title: “Inorganic Chemistry I”
Graduate/Elective Undergraduate Course Title:
“Metal Ions in Medicine and Pharmacology”.
Department of Chemistry, **U. of Crete**, Heraklion, Greece

Graduate Course Title:

“Bioinorganic Chemistry I” with emphasis on model complexes in the active sites of non-heme iron-sulfur proteins, and electron transfer in metallobiological systems

“Bioinorganic Chemistry II” with emphasis on the structure and function of heme and non-heme iron sulfur proteins and enzymes in biology

EPEAEK Graduate Program “Bioinorganic Chemistry”

Department of Chemistry, **U. of Ioannina**, Ioannina, Greece

Assistant Professor

1999 - 2000

Undergraduate Course Title: “Inorganic Chemistry I”

Undergraduate Course Title: “Inorganic Chemistry II”

Graduate/Elective Undergraduate Course Title:

“Metal Ions in Pharmacology and Medical Diagnostics”.

Graduate Course Title:

“Advanced Spectroscopy” with emphasis in X-ray crystallography.

EPEAEK Graduate program “Isolation and Characterization of Natural Products with Biological Activity”

Department of Chemistry, **U. of Crete**, Heraklion, Greece

Undergraduate Course Title: “Principles and Applications of Chemistry and Biology”

Department of Pedagogy, **U. of Crete**, Rethymnon, Greece

Graduate Course Title:

“Bioinorganic Chemistry II” with emphasis on the structure and function of heme and non-heme iron sulfur proteins and enzymes in biology

EPEAEK Graduate Program “Bioinorganic Chemistry”

Department of Chemistry, **U. of Ioannina**, Ioannina, Greece

Assistant Professor

1998 - 1999

Undergraduate Course Title: “Inorganic Chemistry I”

Graduate/Elective Undergraduate Course Title:

“Metal Ions in Medicine and Pharmacology”.

Department of Chemistry, **U. of Crete**, Heraklion, Greece

Undergraduate Course Title: “Principles and Applications of Chemistry and Biology”

Department of Pedagogy, **U. of Crete**, Rethymnon, Greece

Assistant Professor

1997 - 1998

Undergraduate Course Title: “Inorganic Chemistry I”

Graduate Course Title: “Metal ions in Pharmacology and Diagnostic Medicine”

Department of Chemistry, **U. of Crete**, Heraklion, Greece

Undergraduate Course Title: “Principles and Applications of Chemistry and Biology”

Department of Pedagogy, **U. of Crete**, Rethymnon, Greece

Assistant Professor

1996 - 1997

Undergraduate Course Title:

“Inorganic Chemistry of Transition Metal Complexes”
Department of Chemistry, **U. of Crete**, Heraklion, Greece

Assistant Professor 1995 - 1996

Graduate Course Title: “Metal ions in Biological Systems”

Undergraduate Course Title: “Inorganic Chemistry II.
Mechanisms in Inorganic and Organometallic Chemistry”
Department of Chemistry, **U. of Crete**, Heraklion, Greece

Guest Lecturer & Instructor 1990 - 1991

Course title: “Biotechnology and Fermentation”,
Departments of Chemistry and Chem. Engineering,
M.I.T., Cambridge, Massachusetts, USA.

Guest Lecturer 1991

Course title: “Environmental Microbiology”,
Department of Civil Engineering, **M.I.T.**, Cambridge,
Massachusetts, USA

Guest Lecturer-Instructor 1988 – 1990

Teaching undergraduate students and Industry
Professionals, from interdisciplinary programs, the
application of biochemical and analytical techniques
in microbial fermentations.
Departments of Chemistry and Chem. Engineering,
M.I.T., Cambridge, Massachusetts, USA

Research Assistant 1985 - 1988

Synthetic, analytical and X-ray crystallographic
techniques in the characterization of new materials.
Department of Chemistry, **The U. of Michigan**,
Ann Arbor, Michigan, USA

Teaching Assistant 1982 - 1983

Department of Chemistry,
The University of Iowa, Iowa City, Iowa, USA
Taught and led General and Inorganic Chemistry Lab
Sessions. Voluntarily held tutorial sessions in inorganic
and general chemistry for undergraduate students.

**ERASMUS
TEACHING
ACTIVITIES**

Faculty of Food Processing Technology 2000-present
**Banat’s University of Agricultural Sciences
and Veterinary Medicine**
“**King Michael I of Romania**” from Timisoara
Timisoara, Romania

Department of Chemistry and Biology 2006-present
West University of Timisoara
Timisoara, Romania

	Dept. of Applied Chemistry and Material Sciences Polytechnic University of Bucharest Bucharest, Romania	2006-2008
	Department of Chemistry University of Bucharest Bucharest, Romania	2013-present
	Department of Inorganic and Analytical Chemistry University of Szeged Szeged, Hungary	2002-2008
AWARDS AND DISTINCTIONS	Representative of Greece in the Chemistry of Life Sciences Division of the European Chemical Society (EuChemS)	2019-present
	Representative of Greece in the Inorganic Chemistry Division of the European Chemical Society (EuChemS)	2016-present
	SBIC Flash Presentation Award <i>eBIC 2021 Conference</i> “ <i>Bringing inorganic chemistry to life</i> ” <i>The Society of Biological Inorganic Chemistry</i> July 20 – 21, 2021	July 2021
	1 st Award for best poster in the <i>1st Virtual Conference of young scientists</i> “ <i>Mineral Resources-Environment-Chemical Engineering</i> ” February 26 – 28, 2021, Kozani, Greece	February 2021
	2 nd Award for best poster in the <i>13th Cyprus-Greece Chemistry Conference</i> October 31-November 3, 2019, Nicosia, Cyprus	November 2019
	1 st Award on the best unpublished work presented during the <i>2nd Panhellenic Congress on Thoracic and Environmental Diseases</i> November 10-13, 2016, Thessaloniki, Greece.	November 2016
	Editorial Board Journal of Inorganic Biochemistry	2014-2018
	Editorial Board International Journal of Molecular Sciences	2015-present
	Head of the Inorganic Chemistry thematic area 2020-present Hellenic Open University, Patras, Greece	2016-2017
	Elected Member of the Romanian Society of Cell Biology Timisoara, Romania	2013

Member of the Scientific Council National Institute of Research and Development for Electrochemistry and Condensed Matter (INCEMC) Timisoara, Romania	2012-present
Diploma Gratitude Contribution to the Graduate School Program and the Erasmus initiative West University of Timisoara Timisoara, Romania	2012
Honorary Professor of the Dept. of Applied Chemistry and Material Sciences Polytechnic University of Bucharest, Romania	2006
Elected Member of the International Advisory Committee International Symposium on Applied Bioinorganic Chemistry (ISABC)	2009-present
Member of the International Advisory Board European Journal of Inorganic Chemistry	2005-2010
Adjunct Professor Faculty of Food Processing Technology Banat University of Agricultural Sciences and Veterinary Medicine Timisoara, Romania	2005-present
Adjunct Professor Faculty of Chemistry-Biology-Geography Postgraduate Studies Program West University of Timisoara Timisoara, Romania	2005-present
Greek Ministry of National Education and Religion Senior Fellowship Department of Chemistry University of Szeged, Szeged, Hungary	2004
NATO Science Senior Fellowship Faculty of Food Processing Technology Banat University of Agricultural and Veterinary Medicine Timisoara, Romania	2003
Distinguished Service Award Awarded by the Prefector of Pieria, Greece, for recognition of the Distinguished Academic Record and the promotion of higher education in Pieria.	2003

Greek Ministry of National Education and Religion Senior Fellowship Department of Chemistry University of Bergen , Bergen, Norway	2000
NATO Science Senior Fellowship Department of Chemistry Jozsef Attila University , Szeged, Hungary	1999, 2000
Exchange Fellowship of the Greek Ministry of National Education and Religion Department of Chemistry Charles University , Prague, Czech Republic	1999
NATO Postdoctoral Research Fellowship Department of Chemistry, Massachusetts Institute of Technology Cambridge, Massachusetts, USA	1988 - 1989
Knoller Fellowship, Department of Chemistry The University of Michigan , Ann Arbor Michigan, USA	5/1986 - 6/1986
The University of Michigan Fellowship Rackham School of Graduate Studies, Ann Arbor Michigan, USA	5/1985 - 6/1985 5/1984 - 6/1984
Greek Government Academic Scholarship (I.K.Y. Award) awarded annually to undergraduate students at Aristotle University of Thessaloniki, Greece, for outstanding academic performance	1978 - 1982
Research Scholarship awarded by the German Academic Agency (D.A.A.D.) to individuals with demonstrated academic excellence	Summer 1981
Stipend awarded by the City Council and the Mayor of Katerini, Pieria, Greece, to undergraduate students for excellence in academic achievements	1981

PUBLICATIONS AND PRESENTATIONS See attached sheets.

ACADEMIC COMMITTEE SERVICE

- Reviewer for the ACS Journal of Inorganic Chemistry 1998-present
- Reviewer for the ACS Journal JACS 1999-present

- Reviewer for ACS Applied Material Surfaces 2021-present
- Reviewer for Analyst 2007-present
- Reviewer for the African Journal of Agricultural Research 2010-present
- Reviewer for the African Journal of Microbiology Research 2010-present
- Reviewer for Applied Organometallic Chemistry 2010-present
- Reviewer for the Arabian Journal of Chemistry 2015-present
- Reviewer for the Australian Journal of Chemistry 2010-present
- Reviewer for Bioactive Compounds 2020-present
- Reviewer for Bioinorganic Chemistry and Applications 2003-present
- Reviewer for Biomed Central Cancer 2013-present
- Reviewer for Biomedical and Environmental Sciences 2014-present
- Reviewer Biological Trace Element Research 2015-present
- Reviewer for Cancer, Immunology and Immunotherapy present 2015-present
- Reviewer for Cell Death and Disease 2015-present
- Reviewer for the Central European Journal of Medicine 2007-present
- Reviewer for the Central European Journal of Chemistry 2009-present
- Reviewer for Chemistry Central Journal 2015-present
- Reviewer for the Chinese Journal of Oceanology-Limnology 2013-present
- Reviewer for the International Journal of Environmental Analytical Chemistry 2012-present
- Reviewer for the International Research Journal of Pharmacy and Pharmacology 2012-present
- Reviewer for the International Journal of Environmental Analytical Chemistry 2012-present
- Reviewer for the International Journal of Molecular Sciences 2013-present
- Reviewer for the Journal of African Chemistry 2009-present
- Reviewer for the Journal of Applied Phycology 2014-present
- Reviewer for the Journal of Thermal Analysis and Calorimetry 2013-present
- Reviewer for Chemistry: A European Journal 2004-present
- Reviewer for Desalination and Water treatment 2008-present
- Reviewer for Drug Delivery Letters 2013-present
- Reviewer for the European J. of Inorganic Chemistry 2004-present
- Reviewer for the Journal FEBS 2010-present
- Reviewer for Food Chemistry 2005-present
- Reviewer for the Journal Fresenius 2008-present
- Reviewer for Inorganica Chimica Acta 2003-present
- Reviewer for Inorganic Chemistry Communications 2003-present
- Reviewer for the Journal of Agricultural and Food Chemistry 2005-present
- Reviewer for the International Journal of Molecular Sciences 2018-present
- Reviewer for Journal of Analytical Atomic Spectrometry 2011-present
- Reviewer for the Journal Advances in RSC 2013-present
- Reviewer for the Journal of Chromatography 2005-present
- Reviewer for the Journal of Coordination Chemistry 2008-present

- Reviewer for the Journal of Coordination Chemistry and Applications 2008-present
- Reviewer for the Journal of Fluorine Chemistry 2012-present
- Reviewer for the Journal Food Chemistry 2005-present
- Reviewer for the Journal of Coordination Chemistry Reviews 2001-present
- Reviewer for the Journal of Environmental Science and Health 2013-present
- Reviewer for the Journal of Inorganic Biochemistry 1998-present
- Reviewer for the Journal of Immunology and Immunoassays 2018-present
- Reviewer for the Journal of Materials Chemistry 2008-present
- Reviewer for the Journal of Materials Chemistry and Physics 2017-present
- Reviewer for the Journal of Materials Science 2008-present
- Reviewer for the Journal of Materials Science and Engineering 2010-present
- Reviewer for the Journal of Medicinal Food 2008-present
- Reviewer for the Journal of Molecular Structure 2004-present
- Reviewer for Molecular Biochemistry 2012-present
- Reviewer for the Journal of Nanoparticle Research 2015-present
- Reviewer for the Journal of Physical Chemistry 2013-present
- Reviewer for the Journal of Pure and Applied Chemistry 2008-present
- Reviewer for the Journal Romanian Biotechnological Letters 2010-present
- Reviewer for the Journal of Serbian Chemical Society 2018-present
- Reviewer for the Journal of Sol Gel Science and Technology 2006-present
- Reviewer for the Journal of Solid State Chemistry 2003-present
- Reviewer for the Journal of Solution Chemistry 2004-present
- Reviewer for the Journal of Translational Medicine 2015-present
- Reviewer for Lab on a Chip 2011-present
- Reviewer for Materials Letters 2009-present
- Reviewer for Metallomics 2010-present
- Reviewer for Molecular Biosystems 2007-present
- Reviewer for Molecular Spectroscopy 2006-present
- Reviewer for Molecules 2019-present
- Reviewer for Monats Hefte der Chemie 2006-present
- Reviewer for Nanomaterials 2020-present
- Reviewer Nanomedicine 2017-present
- Reviewer for Nanoscale 2013-present
- Reviewer for Nanotechnology Reviews 2018-present
- Reviewer for Nature Science Reports 2018-present
- Reviewer for Neural Regeneration 2018-present
- Reviewer for Neuropeptides 2015-present
- Reviewer for Nutrients 2019-present
- Reviewer for the New Journal of Chemistry 2008-present
- Reviewer for Organic and Biomolecular Chemistry 2007-present
- Reviewer for Oxidative Medicine and Cellular Longevity 2016-present
- Reviewer for Physical Chemistry and Chemical Physics 2008-present
- Reviewer for Polyhedron 2005-present
- Reviewer for Research on Chemical Intermediates 2013-present
- Reviewer for the Royal Chemical Society Chemical Communications 2001-present

- Reviewer for Royal Chemical Society Dalton Transactions 2003-present
- Reviewer for Soft Matter 2013-present
- Reviewer for Spectroscopy Letters 2003-present
- Reviewer for Synthesis and Reactivity in Inorganic, Nano-metal and Metal-Organic Chemistry 2002-present
- Reviewer for Synthesis and Reactivity Reviews 2002-present
- Reviewer of Water Resource and Protection 2012-present
- Reviewer for Talanta 2010-present
- Reviewer for Zeitschrift fur Anorganische und Allgemeine Chemie 2009-present

Reviewer-Evaluator for (Bio)technology Program Grants

- ❖ Reviewer of Ministry of Development and Investments, Greece 2018-present
- ❖ Reviewer of Swiss National Science Foundation 2018-present
- ❖ Reviewer of Bulgarian National Science Fund (BNSF) 2016-present
- ❖ Reviewer of Croatian Research grants (Croatian Science Foundation) 2016-present
- ❖ Reviewer of Polish Research grants (National Science Center) 2016-present
- ❖ Reviewer for Operational Program “Human Resources Development, Education and Life Long Learning” Ministry of Economy and Development, EDBM 34, Hellenic Foundation for Research and Innovation 2017-present
- ❖ Reviewer and Rapporteur for Romanian National Authority for Scientific Research and Innovation (UEFISCDI) 2015-present
- ❖ Reviewer for Qatar National Research Fund (QNRF) 2015-present
- ❖ Reviewer for ERA-Net ERAfrica programs 2012-present
- ❖ Reviewer for OTKA (National Hungarian Grant Agency) 2014-present
- ❖ Reviewer for EU SEE-ERA NET.PLUS programs 2010-present
- ❖ Reviewer for SEE-ERA NET programs 2007-2008
- ❖ Reviewer for Cyprus Institution of Research Promotion Programs 2008-present
- ❖ Reviewer for State Scholarships Foundation (IKY) 2008-present
- ❖ Reviewer for General Secretariat of Research and Technology (GSRT) Research Programs in Greece 2002-present
- ❖ Reviewer for Ministry of Education Research Programs 2002-present
- ❖ Reviewer of Research Programs on Biotechnology Natural Environment Research Council (NERC) United Kingdom 1999-2002

Education and Research

- Education Research Center 1997-present
Cambridge Crystallographic Structural Database System.
Scientific Advisor for the entire Community in Greece

Service to the University Community

- Elected to the seven-member Management Group of the Research Committee Aristotle University of Thessaloniki 2010-2013

- Committee for the evaluation of Ph.D. and Post-Doctoral Researchers toward Fellowships of excellence
Aristotle University of Thessaloniki 2007-2015
- Bioethics Committee
Aristotle University of Thessaloniki 2012-2015
- Research Committee
Aristotle University of Thessaloniki 2008-2015
- Committee for the Evaluation and Quality Assurance of Studies (OMEA)
School of Chemical Engineering 2011-present
- Committee for Personnel Planning
School of Chemical Engineering 2007-2012
2015-present
- Committee on Infrastructure Development, Maintenance and Security
Department of Chemical Engineering
Aristotle University of Thessaloniki 2005-present
- Committee of Undergraduate and Graduate Studies
Department of Chemical Engineering
Aristotle University of Thessaloniki 2005-2014
- Public Relations Committee
Department of Chemical Engineering
Aristotle University of Thessaloniki 2004-2005
- Committee on Chemical and Occupational Safety in the School of Sciences
Dept. of Chemistry, U. of Crete 1998-2003
- Committee on Food Safety and Hygiene of the School of Science Dining Cafeteria
Dept. of Chemistry, U. of Crete 1998-1999
- Committee on the School of Sciences Space Hygiene Control
Dept. of Chemistry, U. of Crete 1998-2003
- Committee on Undergraduate Affairs
Dept. of Chemistry, U. of Crete 1997-2000
- Committee on Undergraduate and Graduate Libraries
Dept. of Chemistry, U. of Crete 1997-2003
- In charge of the Center for Training and Distribution 1997-present

of data from the Cambridge Crystallographic Structural Database System in Greece.

ADMINISTRATION POSTS

- Head of the Chemistry Division
Department of Chemical Engineering
Aristotle University of Thessaloniki 2019-present
- Representative of Greece in the Inorganic Chemistry
Division of the **European Chemical Society (EuChemS)** 2016-present
- Head of the Inorganic Chemistry Division
Hellenic Open University
Patras, Greece 2020-present
2016-2018
- Director of the Inorganic Chemistry Laboratory
Department of Chemical Engineering
Aristotle University of Thessaloniki
Thessaloniki, Greece 2008-present
- Head of the Chemistry Division
Department of Chemical Engineering
Aristotle University of Thessaloniki 2019-2021
2013-2015
- Member of the Administration Board
Center of Interdisciplinary Research and Innovation
Aristotle University of Thessaloniki 2013-2015
- Director of the Graduate Program
“Processes and Technology of Advanced Materials”
School of Engineering
Aristotle University of Thessaloniki
Thessaloniki, Greece 2008-2010

PROFESSIONAL AFFILIATIONS Society of Biological Inorganic Chemistry (SBIC) 1997-present
Hellenic Scientists Association of Boston (HSAB) 1993-present
Association of Greek Chemists 2004-present
American Chemical Society 1982-present

PERSONAL Married. Languages: English, Greek and German.

LIST OF PUBLICATIONS

1. Innovative Low-Cost Composite Nanoadsorbents Based on Eggshell Waste for Nickel Removal from Aqueous Media
A.E. Segneanu, R. Trusca, C. Capan, M. Mihailescu, C. Muntean, D.D. Herea, I. Grozescu, A. Salifoglou
Nanomaterials **2023**, *13*, 2572.
2. Chemical and Biological Profiling of Fish and Seaweed Residues to Be Applied for Plant Fertilization
M. Maroulis, S. Matsia, G. Lazopoulos, O.C. Pârvulescu, V.A. Ion, O.-C. Bujor, J. Cabell, A.-K. Løes, A. Salifoglou.
Agronomy **2023**, *13*(9), 2258.
3. Effects of Marine Residue-Derived Fertilizers on Strawberry Growth, Nutrient Content, Fruit Yield and Quality
Moloșag, O.C. Pârvulescu, V.A. Ion, A.C. Asănică, R. Soane, A. Moț, A. Dobrin, M. Frîncu, A.-K. Løes, J. Cabell, A. Salifoglou, M. Maroulis, S. Matsia, O.C. Bujor, D. Egri, T. Dobre, L.A. Bădulescu, V. Lagunosvchi-Luchian
Agronomy **2023**, *13*, 1221.
4. Chemical reactivity profile of rare earth metal ions with flavonoids. From structural speciation to magneto-optical properties.
S. Matsia, G. Lazopoulos, A. Hatzidimitriou, M.K. Reimann, R. Pöttgen, A. Salifoglou
Polyhedron **2023**, *230*, 116231.
5. Selective antimicrobial food packaging of composite poly(lactic acid) cobalt-citrate films
K. Rogkotis, S. Matsia, E. Likotrafiti, J. Rhoades, D. Kountouras, K. Katakalos, E. Pavlidou, C. Ritzoulis, A. Salifoglou
Food Packaging and Shelf Life **2022**, *34*, 100959.
6. Assessment of Durability Indicators for Service Life Prediction of Portland Limestone Cementitious Systems Produced with Permeability-Reducing Admixtures
A. Malakopoulos, A. Salifoglou
Buildings **2022**, *12*, 1712.
7. Antimicrobial Activity of Cobalt(II)-Citrate against Common Foodborne Pathogens and Its Potential for Incorporation into Food Packaging Material
J. Rhoades, V. Katsouda, S. Matsia, K. Rogkotis, S. Taousani, N. Kiriazidi, A. Salifoglou, E. Likotrafiti
Appl. Sci. **2022**, *12*, 10855.
8. A unique ternary Ce(III)-quercetin-phenanthroline assembly with antioxidant and anti-inflammatory properties
E. Halevas, S. Matsia, A. Hatzidimitriou, E. Geromichalou, T.A. Papadopoulos, G. Katsipis, A. Pantazaki, G. Litsardakis, A. Salifoglou
J. Inorganic Biochemistry **2022**, *235*, 111947.
9. Chromium Flavonoid Complexation in an Antioxidant Capacity Role
S. Matsia, O. Tsave, A. Hatzidimitriou, A. Salifoglou

Int. J. Mol. Sci. **2022**, *23*, 7171.

- 10.** Structural speciation in chemical reactivity profiling of binary-ternary systems of Ni(II) with iminodialcohol and aromatic chelators
S. Matsia, A. Kaoulla, M. Menelaou, A. Hatzidimitriou, T. Papadopoulos, M. K. Reimann, R. Pöttgen, A. Salifoglou
Polyhedron **2022**, *212*, 115577
- 11.** The aqueous structural speciation of binary thallium-hydroxycarboxylic acid systems. Structure-chemical (bio)reactivity correlations.
S. Matsia, O. Tsave, A. Hatzidimitriou, C. Gabriel, A. Salifoglou
J. Inorganic Biochemistry **2021**, *222*, 111469
- 12.** Evaluation of Insulin-Like Activity of Novel Zinc Metal–Organics toward Adipogenesis Signaling.
C. Gabriel, O. Tsave, M.P. Yavropoulou, T. Architektonidis, C. P. Raptopoulou, V. Psycharis, A. Salifoglou
International Journal of Molecular Sciences **2021**, *22*, 6757
- 13.** Durability performance of Portland limestone cement mortar containing butyl and zinc stearate admixtures
A. Malakopoulos, M. Chatzigeorgiou, N. Boukos, A. Salifoglou
Materials and Structures **2021**, *54*, 60
- 14.** Biomimetic activity of soluble, well-defined, aqueous Ti(IV)-citrate species toward adipogenesis. An in vitro study
O. Tsave, A. Salifoglou
J. Inorganic Biochemistry **2021**, *214*, 111290
- 15.** Unravelling the blood transcriptome after real-life exposure of Wistar-rats to PM_{2.5}, PM₁ and water-soluble metals in the ambient air.
I. S. Frydas, M. Kermenidou, O. Tsave, A. Salifoglou, D. A. Sarigiannis
Toxicology Reports **2020**, *7*, 1469–1479
- 16.** Modified magnetic core-shell mesoporous silica nano-formulations with encapsulated quercetin exhibit anti-amyloid and antioxidant activity
E. Halevas, B. Mavroidi, C. M. Nday, J. Tang, G. C. Smith, N. Boukos, G. Litsardakis, M. Pelecanou, A. Salifoglou
J. Inorganic Biochemistry **2020**, *213*, 111271
- 17.** Temperature-Sensitive Structural Speciation of Cobalt-Iminodialcohol-(N,N'-Aromatic Chelator) Systems: Lattice Architecture and Spectrochemical Properties.
S. Matsia, M. Menelaou, A. Hatzidimitriou, V. Tangoulis, N. Lalioti, N. Ioannidis, L. Blömer, B. Kersting, A. Salifoglou
Eur. J. Inorg. Chem., **2020**, 2919–2940
- 18.** V(V)-Schiff base species induce adipogenesis through structure-specific influence of genetic targets
O. Tsave, E. Halevas, M. P. Yavropoulou, E. Yovos, A. Hatzidimitriou, V. Psycharis, K. Ypsilantis, P. Stathi and A. Salifoglou

- 19.** Piperazine core-containing Schiff ligands define chemical reactivity toward divalent metal ions
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RESEARCH AND EDUCATIONAL WORK
DOCTORAL THESES (Ph.D.)

	Thesis Title	Ph.D. candidate	Year	Institution
1	The study of giant magnetoresistance effect in the $\text{LaNi}_{1-x}\text{CoO}_3$ solid solution	John Androulakis	2002	Department of Chemistry University of Crete Heraklion, Greece
2	Synthetic, spectroscopic, and structural speciation studies of insulin mimetic vanadium in the presence of physiological ligands in aqueous media	Maria Kaliva	2003	Department of Chemistry University of Crete Heraklion, Greece
3	Synthesis, isolation and physicochemical characterization of compounds between (O,N)-organic substrates and metallotoxins	Catherine Gabriel	2009	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
4	Structural speciation and fluorescence property studies of organic substrates with toxic metal ions in aqueous and non-aqueous media	Melita Menelaou	2009	
5	Structural speciation of metal ionic complexes of titanium with physiological substrates in binary systems with biological applications	Panagiotis Panagiotidis	2009	
6	Study of the effect of heavy metal ions on the oncogene HRAS. Toxicity oncogenic action correlation.	Christiane Nday	2009	
7	Study of the oxidative stress interactions between metallotoxins and amyloid targets in Alzheimer's disease	Bill Georgantas	2013	
8	Study of the interaction of metal ions with H-ras and K-ras oncogenes. Focusing on the carcinogenic cadmium and the development of anticancer	Savvas Petanidis	2013	

	vanadium metallopharmaceuticals.			
9	Structural speciation of vanado-pharmaceutical materials with insulin mimetic and anticancer drug activity	Efrosini Kioseoglou	2013	
10	Study of metallo-organic materials with antidiabetic properties and molecular hosts of encapsulation, transport and release of metallo-drugs and other micro- and macro-molecular substrates in cellular tissues.	Eleftherios Halevas	2014	
11	Development of structure-function models of new metallodrugs of vanadium and zinc, based on insulin mimetic molecular markers in Diabetes mellitus II	Olga Tsave	2016	
12	Binary-ternary materials of titanium and cadmium with physiological substrates in biological applications	Catherine Iordanidou	2018	
13	Development, design, construction, and operation of three dimensionally printed implants from advanced composite materials with biomedical applications	Konstantinos Rogotis	2022	
14	Insulin mimetic (nano)biotechnology of metal-flavonoid and bioavailable propolis, with structure specific biomarkers in Diabetes mellitus II	Sevasti Matsia	2022	
15	Development of advanced materials (additive and non-additive) with properties enhancing composition, physicochemical profile and mechanical properties of cement and coating materials	Athanasios Malakopoulos	2023	
16	Development of (multi)functional materials technology with emphasis on the diagnostics of (metallo)toxins in environmental fluids, food stuffs and biological fluids	Maria Perikli	Ph.D. Candidate	

17	Natural products, marine organisms, biofertilizers, plant growth biostimulants, oleuropein, physicochemical properties, neuroprotection, antimicrobial and antioxidant potential	Marios Maroulis	2023	
18	Hybrid metallopharmaceuticals in biomimetic models of antidiabetic technology	Eugene Koutouvela	Ph.D. Candidate	
19	Metal-organic hybrid metallopharmaceuticals in human pathophysiology and theranostics	Anna Kaoulla	Ph.D. Candidate	
20	Vanadium (Bio)materials as therapeutic hybrid materials in food and biological fluids.	George Lazopoulos	Ph.D. Candidate	
21	Development of composite biomaterials in 3D printing processes, targeting biomedical applications	Abraham Nikopoulos	Ph.D. Candidate	

GRADUATE DEGREE THESES (M.Sc.)

	M.Sc. candidate	Year	Institution
1	Christina Matsingou	2000	Department of Chemistry University of Crete Heraklion, Greece
2	Nick Kotsakis	2001	
3	Anca Mateescu	2004	
4	Nick Petrakis	2004	
5	Evangelos Kefalas	2004	
6	Paraskevi Karakosta	2010	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
7	Athanasios Malakopoulos	2011	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
8	Sofia Aggeli	2011	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
9	E. Halevas	2012	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
10	E. Hatzigeorgiou	2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
11	T. Architectonidis	2014	Graduate program “Processes and Technology of Advanced Materials” School of

			Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
12	G. Kotriklas	2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
13	S. Sarigolis	2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
14	K. Rogotis	2016	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
15	N. Mantzos	2016	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
16	M. Kafantari	March 6, 2017	Graduate program, Department of Chemical Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
17	H. Foka	March 6, 2017	Graduate program, Department of Chemical

			Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
18	S. Matsia	February 23, 2018	Graduate program “Processes and Technology of Advanced Materials” Faculty of Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
19	M. Haini	July 13, 2020	Graduate program “Chemical and Biomolecular Engineering” School of Chemical Engineering, Aristotle University of Thessaloiniki
20	M. Karamitrou	July 13, 2020	Graduate program “Chemical and Biomolecular Engineering” School of Chemical Engineering, Aristotle University of Thessaloiniki
21	S. Koumpia	July 13, 2020	Graduate program “Chemical and Biomolecular Engineering” School of Chemical Engineering, Aristotle University of Thessaloiniki
22	D. Karagiannidou	December 7, 2021	Graduate program “Chemical and Biomolecular Engineering” School of Chemical Engineering, Aristotle University of Thessaloiniki
23	G. Hatziangelou	December 7, 2021	Processes and Technology of Advanced Materials Faculty of Engineering,

			Aristotle University of Thessaloniki Thessaloniki, Greece
24	T. Papachatzaki	July 6, 2022	Processes and Technology of Advanced Materials Faculty of Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
25	H. Paschou	February 21, 2023	Graduate program “Chemical and Biomolecular Engineering” School of Chemical Engineering, Aristotle University of Thessaloniki
26	E. Mpougioukli	May 15, 2023	Chemical and Biomolecular Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
27	C. Giannios	October 13, 2023	Chemical and Biomolecular Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
28	C. Vryzas	October 13, 2023	Processes and Technology of Advanced Materials Faculty of Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
29	P. Manoloudis	October 13, 2023	Processes and Technology of Advanced Materials Faculty of Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece

UNDERGRADUATE DEGREE DIPLOMA THESES

	Thesis Title	Undergraduate student	Year	Institution
1	The chemistry of vanadium with di- and tri-carboxylic acids in the active centers of biological systems.	Evangelia Kotsifaki	1997	Department of Chemistry University of Crete Heraklion, Greece
2	In vitro study of the antioxidant properties and interactions of polyphenols with iron in tea.	Christina Matsingou	1997	
3	The chemical affinity of vanadium for di(tri) carboxylic acids.	Maria Tsaramyrsi	1998	

4	Metal ionic complexes of metal ions with citrates. Syntheses and physicochemical characterization.	Manolis Matzapetakis	1998
5	Bioinorganic complexes of zinc from the active center of porphobilinogen synthase I.	Nick Kotsakis	1998
6	Bioinorganic complexes of zinc from the active center of porphobilinogen synthase II.	Helen Papadimou	1998
7	The role of the cytoskeletal actin system in the opioid regulatory excretion of catecholamines from neuroendocrine cells in vitro.	Maria Metaxari	1998 (Co-Advisor with Prof. Margioris from the Laboratory of Clinical Chemistry at the Medical School of the University of Crete)
8	Human Transforming Growth Factor TGF- β 1. Study of the effect of opioids on the 5'-induced region of the TGF- β 1 gene in transfected endometrial and breast cancer cells.	John Damianakis	1998 (Co-advisor with Prof. A. Gravanis in the Laboratory of Pharmacology at the Medical School of the University of Crete)
9	The aqueous chemistry of Pb(II) with citric acid. Biological consequences.	Markos Kourgiantakis	1999
10	Bioinorganic complexes of zinc from the active center of porphobilinogen synthase.	Despoina Kavousanaki	1999
11	Study of vanadium with di- and tri-carboxylic acids.	Maria Kaliva	2000

12	Vanadium as a central metal ion in systems with biological substrates.	Thomais Giannadaki	2000
13	Study of the antioxidant properties of various plants and herbs in Greece.	Irene Plevri	2000
14	Metal ionic complexes with citrates. Syntheses and physicochemical characterization.	Marianna Dakanali	2001
15	Synthesis, isolation and physicochemical characterization of vanadium complexes with ligands involving malonic acid, quinic acid and Glyphosate.	John Avagianos	2001
16	Study of the effects of heavy metal ions on the transcriptional regulation of the RAS gene family I.	Catherine Kavroulaki	2001
17	Aqueous chemistry of V(IV,V) with citric acid.	Emanuel Kyriakakis	2002
18	Aqueous chemistry of transition metal ions with physiological ligands.	Evangelos Kefalas	2002
19	Study of the antioxidant properties and HPLC analysis of sage extracts from organic solvents.	Nick Petrakis	2002
20	Metal ion complexes with organic substrates. Relation to biological activity of metal ions in biological fluids.	Markos Daskalakis	2002
21	Metal ion complexes with organic substrates of biological activity.	Stamatia Kountouri	2002

22	Study of the effects of heavy metal ions on the transcriptional regulation of the RAS oncogene family II.	Themis Alissafi	2002	
23	Complexes of Al(III) with substrates of physiological significance.	Maria Manioudaki	2003	
24	The aqueous chemistry of Al(III) in the presence of citric, malic and tartaric acid.	Theodora Papadomanolaki	2003	
25	Study of the antioxidant properties in herb infusions: lemongrass-lime-mint-mountain tea against oxidation catalyzed by Fe(III). Polyphenol determination.	Sonia Kargaki	2003	
26	Synthetic approaches to the synthesis of organic chemical substrates.	Christophoros Chalampalakis	2003	
27	Study of the effects of heavy metal ions in the transcriptional regulation of the RAS oncogene family III.	Maria Kyriakou	2003	
28	Extraction of interesting components from the herb <i>Salvia Officinalis</i> by the use of different solvents	Benoit Dervaux	2001 Departement de Genie Biologique, Institut Universitaire de Technologie A, Universite des Sciences et Technologie de Lille, Lille, France	Department of Chemistry University of Crete Heraklion, Greece
29	Extraction, antioxidant activity and quantification of polyphenols from <i>Salvia Fruticosa</i>	David Saout	2002 Departement de Genie Biologique, Institut Universitaire de Technologie A, Universite des	Department of Chemistry University of Crete Heraklion, Greece

			Sciences et Technologie de Lille, Lille, France	
30	Determination and quantification of antioxidant activity of plants in Hypericum and Melissa	Emilie Gartier	2003 Departement de Genie Biologique, Institut Universitaire de Technologie A, Universite des Sciences et Technologie de Lille, Lille, France	Department of Chemistry University of Crete Heraklion, Greece
31	The aqueous chemistry of Cd(II) with tartaric acid. Synthesis, isolation, structural and spectroscopic characterization of a new material from the binary Cd(II)-tartaric acid system.	Panagiotis Roditis	2005	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
32	Synthesis, isolation, structural and spectroscopic characterization of new complexes of Co(II) with organic substrates.	Antonia Konstantopai	2006	
33	Synthesis, isolation, structural and spectroscopic characterization of water soluble materials of vanadium with physiological substrates. Correlation with the insulin mimetic activity of vanadium.	John Venetis	2007	
34	Synthesis, isolation, structural and spectroscopic characterization of new crystalline compounds of Ni(II) with organic substrates.	Vassiliki Vamvourelli	2008	

35	Synthesis, isolation, structural and spectroscopic characterization of new compounds of Hg(II) and Cd(II) with organic substrates.	John Kyllindris	2008	
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36	Gold in catalysis	Konstantinos Chrontzios	2008
37	Technologies and applications in the cement industry.	Alexander Papadopoulos	2008
38	Study of the pleiotropic toxicity of synthetic vanadium and cadmium compounds with citric acid in mice.	Antigoni Georgiou	2009
39	The aqueous chemistry of the trivalent metal ions Al(III) and Cr(III) with organic substrates.	Anna Tsimpou	2009
40	Study of the aqueous chemistry of Pb(II) and Hg(II) in the presence of organic substrates.	Maria Perikli	2009
41	Synthetic approaches to the chemistry of Cd(II) with organic (O,N)-substrates.	Urania Oikonomidou	2010
42	Synthesis, isolation, structural and physicochemical characterization of compounds between (O,N)-organic substrates with metallotoxins.	Evangelia Vavoura	2010
43	Study of the chemistry of divalent Co(II) with O- and (O,N)-substrates.	Maria Panidou	2010
44	Study of the chemical behavior of O- and (O,N)-substrates with transition metal ions.	Erasmia Vournari	2010
45	Synthesis, isolation, structural and physicochemical characterization of water soluble materials of zinc with physiological substrates. Correlation with the insulin mimetic ability of zinc.	Theodore Architectonidis	2010
46	Study of the chemical behavior of divalent Cu(II) with O- and (O,N)-substrates in aqueous and non-aqueous media.	Pantelitsa Loizia	2011
47	Synthesis, isolation, structural	Chris Gavriilidis	2011

	and physicochemical characterization of new crystalline hybrid materials based on zirconium.			
48	Synthesis, isolation, structural and physicochemical characterization of hybrid materials of Cu(II) and Co(II) with organic (O,N)-substrates.	Lamprini Ioannou	2011	
49	Synthesis of new hybrid materials of Pb(II) with amino-phosphonic acids through the use of the hydrothermal method.	Olga Miliou	2011	
50	Study of the aqueous chemistry of Al(III) in the presence of physiological substrates	Eva Hadzigeorgiou	2012	
51	Synthesis, isolation and physicochemical characterization of a new hybrid materials based on zirconium	Manolis Koutroumpis	2013	
52	Synthesis, isolation, structural and spectroscopic characterization of new multi-ligand systems of Bi(III) with organic substrates	Artemis Tsiaprazi-Stamou	2013	
53	Synthesis and physicochemical characterization of biocatalysts by encapsulation of enzymes in hydrophobic silica.	Nancy Tziamourani	2014	
54	Synthesis, isolation, spectroscopic and structural characterization of hybrid mercury complexes with physiological ligands.	Maria Barouta	2014	
55	Synthesis, isolation, structural and spectroscopic characterization of hybrid compounds of La(III) with organic substrates	Christos Krikis	2014	
56	Study of the chemistry of 3d-4f heterometallic lanthanide hybrid materials Ln-MOFs with dicarboxylic ligands	Rebecca Tekidou	2014	
57	Design and synthesis of binary-ternary materials of Pb(II) with long carbon chain dicarboxylic acids	Konstantinos Flioukas	2015	

58	Investigation of insulin mimetic action of synthetic zinc and vanadium species in relevance to Diabetes type II	Melanthia Kafantari	2015	
59	Activity evaluation of discrete zinc forms in cellular survival and migration in adipose tissue	Christos Kechagioglou	2015	
60	Synthesis, isolation, structural and physico-chemical characterization of novel hybrid V(V) compounds with organic substrates	Vassilios Varsamis	2015	
61	Structure-specific development of insulin enhancement and insulin mimetic action of Cr(III)	Faidra Papailia	2015	
62	Synthesis, isolation and physicochemical characterization of hybrid complexes of Hf(IV) with hydroxycarboxylic substrates	Thomas Blempoutzakis	2015	
63	Antimicrobial activity investigation of new complex compounds of Bi(III) with organic substrates	Chrysanthi-Maria Moisidou	2015	
64	Synthesis, isolation, structural and physicochemical characterization of water-soluble Cu(II)-compounds with aminophosphonic acids.	Dimitris Moutousidis	2015	
65	Synthesis, isolation, structural and physicochemical characterization of new Pb(II) compounds. Study of the optical properties of new Pb(II)-MOF materials.	Aggelos Vaggelis	2015	
66	Synthesis of binary and ternary Ln-MOF materials with glutaric acid. Structural and physicochemical characterization.	Danae Velliadou	2015	
67	Synthesis, isolation and physicochemical characterization of binary and ternary crystalline materials of zirconium with hydroxycarboxylic acids.	Asimonia Karamelidou	2016	
68	Hybrid catechin silica nanoparticle influence on Cu(II) toxicity and synaptic loss in	Sofia Mermiggi	2016	

	primary neuronal cells.			
69	Aqueous structural speciation in binary systems of boron/thallium-hydroxycarboxylic acids. A synthetic, physicochemical and biological study.	Sevasti Matsia	2016	
70	Synthesis, isolation, structural and spectroscopic characterization of binary and ternary MOF materials of Pb(II) with dicarboxylic acid ligands.	Vasiliki Papailia	2016	
71	Flavonoid encapsulation in novel hybrid surface-modified nanoparticles and study in primary neuronal cultures. Structure-function relationship in handling neurodegeneration processes in Alzheimer disease.	Despoina Eleftheriadou	2016	
72	Structure-specific adipogenetic potential of bioavailable vanadium species in Diabetes mellitus	Konstantina Chachlioutaki	2016	
73	Cytotoxicity studies on a bioavailable copper complex form in Alzheimer neurodegeneration	Constantinos Aslanidis	2016	
74	Binary Ga(III)-(hydroxy)carboxylic acid systems in aqueous media. Synthetic approaches to biologically relevant systems.	Maria-Nefeli Antonopoulou	2016	
75	Investigation for the antibacterial use of new encapsulated Zinc complexes in silica nanoparticles	Thomas Giannouloupoulos	2016	
76	Adipogenic activity of select zinc forms in Diabetes Mellitus II. Structure function correlations.	Christina Koutra	2016	
77	In vitro evaluation of the toxic action of cadmium with emphasis on its structural speciation in biological systems	Aphrodite Kapourani	2017	
78	Influence of dicarboxylic acid carbon chain length on binary and ternary system lattices of lead relevant to coordination polymers	Eugene Ntouraki	2017	
79	Physicochemical	Aggeliki Goutou	2018	

	characterization of liposomal carriers for encapsulation of biogenic metal ions			
80	In vitro investigation of the (a)toxic profile of chromium at different oxidation states	Anastasia Koliou	2018	
81	In vivo investigation of hybrid silica nanoparticles with encapsulated quercetin against the neurodegenerative Alzheimer disease	Maria Marinaki	2018	
82	Ternary coordination compounds of cadmium with contributing N-substrates	Menelaos Zaganidis	2018	
83	Biomimetic activity investigation of newly-synthesized water soluble titanium species with emphasis in adipogenesis	Asimina Tsiringa	2018	
84	Synthesis and characterization of monodispersed liposomal drug carriers	Haralampos Koufos	2018	
85	Design and synthesis of metal-organic hybrid materials of Co(II,III) with N,O-substrates	John Takis	2019	
86	Flavonoid derivative development targeting enhancement of their biological activity	Apostolos Moustakas	2019	
87	Synthesis, isolation, structural and spectroscopic characterization of water soluble chromium materials with physiological substrates	Stefania Skandalou	2019	
88	Modified flavonoids in biological metal activity	Aphrodite Kontse	2019	
89	Synthetic optimization of silica nanoparticle production for essential oil encapsulation	Despoina Douka	2019	
90	Synthesis and study of ternary systems of metal-organic materials of cadmium with medium and long chain aliphatic dicarboxylic acids	Iliana Kyriazidou	2019	
91	Investigation of the (a)toxic activity of endogenous and exogenous metal ionic metallotoxins in in vitro models of cellular pathophysiology	Yvonne Xesfingi	2019	
92	Development of techniques for	George Mpinias	2020	

	manufacturing enriched hybrid materials with a bioavailable cobalt-citrate complex, targeting 3D printer membranes and filaments.			
93	Comparative studies of vanadium(IV,V) insulin mimesis in Diabetes mellitus II	Stavroula Mantziou	2020	
94	Design and synthesis of binary and ternary nickel(II) systems with amino alcohols and N,N-substrates	Anna Kaoulla	2020	
95	Synthesis of hybrid metal-organic materials of Co(II,III) with N,O-ligands in different solvents and comparison of their optical properties	Stylianos Tikopoulos	2020	
96	Investigation of insulin mimetic action of newly synthesized complex forms of zinc	Vassiliki Tzanakopoulou	2020	
97	Synthesis and physicochemical characterization of hybrid materials containing metal ions and flavonoids	Lampros Boutouris	2021	
98	Production of antimicrobial polymer films and investigation of their mechanical properties	Konstantinos Avramidis	2021	
99	Investigation of the potential insulin mimetic activity of cobalt compounds with physiological substrates, with emphasis on adipogenesis	Christoforos Chalkiadakis	2021	
100	Composite biopolymer materials toward filament fabrication for 3D printing	Christos Andriotis	2021	
101	Comprehensive synthesis of silica nanoparticles toward encapsulation of antioxidant substances of pharmaceutical value	Christos Vasileiou	2021	
102	Fabrication and characterization of thin biopolymer films toward food safety applications	Simeon Sidiropoulos	2021	
103	Synthesis and physicochemical characterization of ternary hybrid materials of trivalent metal ions with antioxidant substrates. Study of their optical properties.	Georgios Lazopoulos	2021	
104	3D Printing technology for the	Dimitrios	2021	

	fabrication of scaffolds in tissue engineering	Argyroudis		
105	Development of enriched PLA materials for the construction of 3D scaffolds in biological applications	Konstantina Vlachaki	2021	
106	Factors affecting the direct electrochemical reduction of glycerol toward high value-added products	Theodora Lykokosta	2021	
107	Microfluidics and Lab on a chip: Development of techniques to manufacture PDMS micro-chips for microfluidics studies.	Paul Farmakis	2022	
108	Design and synthesis of binary/ternary systems between divalent metal ions and quinic acid as a substrate. Theoretical calculations.	Rachel Sfondyla	2022	
109	Encapsulation of pharmaceuticals in polymeric matrix microparticles and their physicochemical characterization in the treatment of Chronic Obstructive Pulmonary Disease	Athanasios Tsimpris	2022	
110	Design and synthesis of copper(II) and nickel(II) binary materials with aminoalcohols	Thetis Gogou	2022	
111	Encapsulation of oregano extracts and water soluble propolis in functionalized inorganic silica particles. Quantitative analyses	Cleopatra Karakosta	2022	
112	Scaffold production from hydrogels and thermoplastic polymers for tissue engineering applications	Vasileia Karakosta	2022	
113	Design, synthesis and physicochemical characterization of hybrid lanthanide materials with flavonoid substrates	Katerina Tsiko	2022	
114	Design and synthesis of modified natural products toward enhancement of their antioxidant and biological activity	Myrsini Pouli	2022	
115	Design, synthesis and physicochemical	Evangelos Kozaris	2023	

	characterization of flavonoids with polyamines			
116	Design, synthesis and physicochemical properties of ternary lanthanum systems with flavonoids	Evangelos Pozarlis	2023	
117	Electrochemical oxidation of glycerol to high value-added products	Konstantinos Kiopidis	2023	
118	Chemical reactivity of lanthanides and chrysin with applications in biomedicine	Veroniki Dakoura	2023	
119	Design, synthesis and physicochemical characterization of hybrid metal-flavonoid materials	Anastasios Papadopoulos	2023	

Note: Beyond the aforementioned diploma theses, five (5) additional theses are currently ongoing in the lab.

STUDENT PRACTICAL TRAINING SUPERVISION

	Student	Year	Private Company
1	Vassilios Varsamis	2012	Varsamis Dyeing Industry
2	Alexander Lemontzoglou	2014	Novo Nordisk HELLAS Inc.
3	Despoina Eleftheriadou	2015	MODERN ANALYTICS – Marios Maroulis
4	Aphrodite Kapourani	2015	Loufakis Chemicals, S.A. - Industrial Area of Thessaloniki, Greece, P.O. Box 1247, Postal Code 57022
5	Konstantina Chachlioutaki	2015	Loufakis Chemicals, S.A. - Industrial Area of Thessaloniki, Greece, P.O. Box 1247, Postal Code 57022
6	Stefania Skandalou	2015	N.C.S.R. Demokritos
7	Gregory Antoniadis	2016	CHIMAR HELLAS A.E. (MARLIT)
8	Konstantina Tsiota	2016	General Chemical State Laboratory (Florina)
9	Nikolaos Raphael Georgiadis	2016	Loufakis Chemicals, S.A. - Industrial Area of Thessaloniki, Greece, P.O. Box 1247, Postal Code 57022
10	Spyridon Varuktsis	2016	General Chemical State Laboratory (Thessaloniki)
11	Georgia Kalatzi	2017	General Chemical State Laboratory (Volos)
12	Irene Gargali	2017	AGROLAB RDS (Sindos, Thessaloniki)
13	Iliana Kanavaki	2017	General Chemical State Laboratory Administration of Central Macedonia
14	Konstantinos Kritas	2017	Modern Analytics – Testing Laboratories – 14 th Km. Thessaloniki – Polygyros, Thermi Bridge, Thermi 57001, Thessaloniki
15	Iliana Kyriazidou	2017	GEORESOURCES TECHNOLOGY S.A. GEOTECH A.T.E. (Nea Karvali, Kavala)
16	Maria Papaspyropoulou	2017	General Chemical State Laboratory Administration of Central Macedonia
17	Maria Trikalioti	2017	CHIMAR HELLAS A.E.

			(MARLIT)
18	Elpida Pantelidou	2018	Hellenic Republic Independent Authority for Public Revenue, General Chemical State Laboratory – Division of Fuels
19	Evangelos Petlis	2018	Hellenic Republic Independent Authority for Public Revenue, General Chemical State Laboratory – Division – Chemistry Section – Division of Fuels and Food
20	Georgia Triviza	2018	General Chemical State Laboratory Administration of Central Macedonia Department of Chemical Services in Corfu
21	Philothea Kaplani	2018	SOUROTI Bottling and Trading Company of Metallic Water "SOUROTI"
22	Theophanis-Mathias-Aldo Mingos	2018	Chemical Service of Lamia
23	Maria Doula	2019	3P KALIAFAS S. POURDALAS G.P., Karditsa
24	Maria Samara	2019	Hellenic Republic Independent Authority for Public Revenue, General Chemical State Laboratory – Division – Chemistry Section – Division of Fuels and Food, Thessaloniki
25	Paschalina-Danai Sarra	2019	Hellenic Republic Independent Authority for Public Revenue, General Chemical State Laboratory – Division – Chemistry Section – Division of Fuels and Food, Thessaloniki
26	Spyros Kremasmenos	2019	PLASTIKA KRITIS S.A., Heraklion
27	Alexandra Prasinou	2020	SOUROTI Bottling and Trading Company of Metallic Water "SOUROTI"
28	Kyriazis Karakantes	2020	Hellenic Republic Independent Authority for Public Revenue, General Chemical State Laboratory – Division – Chemistry Section – Supervision and Customs support – Food, water,

			Alcohol – Fuel, Industrial products, Narcotics, Thessaloniki
29	Panagiotis Athanasopoulos	2020	Hellenic Republic Independent Authority for Public Revenue, General Chemical State Laboratory – Division – Chemistry Section – Supervision and Customs support – Food, water, Alcohol – Fuel, Industrial products, Narcotics, Thessaloniki
30	Stamatia Skoutida	2020	EPSA S.A. Soft Drinks and Juices Industry, Agria, Volos 37300, Magnesia
31	Konstantinos Merenidis	2021	Domaine Costa Lazaridi Winery – Bottling company Adriani, Drama
32	Catherine Tsiko	2021	Hellenic Republic Independent Authority for Public Revenue, General Chemical State Laboratory – Division – Chemistry Section – Supervision and Customs support – Food, water, Alcohol – Fuel, industrial products, Narcotics, Thessaloniki
33	Maria Moridou	2021	C Veterinary Hospital Thessaloniki
34	Martha Tsami	2021	Hellenic Republic Independent Authority for Public Revenue, General Chemical State Laboratory – Eastern Macedonia and Thrace - Xanthi
35	Pantelis Zaimis	2021	Hellenic Republic Independent Authority for Public Revenue, General Chemical State Laboratory – Division – Chemistry Section – Supervision and Customs support – Food, water, Alcohol – Fuel, industrial products, Narcotics, Thessaloniki
36	John Georgalas	2022	INTERGEO Environmental Technology Ltd. – Industrial

			Park of Themi, Thessaloniki 57 001
37	Stylios Kefalas	2022	Kri Kri S.A. Milk Industry 3rd km Nat. Road of Serres- Drama Serres 62125
38	Konstantinos Othonos	2022	Ambrosia Oils (1976) Ltd - Larnaka Industrial Estate, P.O. Box 40433, Larnaka 6304, Cyprus
39	Athanasios Papadopoulos	2022	Loufakis Chemicals, S.A. - Industrial Area of Thessaloniki, Greece, P.O. Box 1247, Postal Code 57022
40	Konstantinos Papoutsis	2022	NEOGAL, DAIRY INDUSTRY OF DRAMA S.A. - End of 1 st July Str., DRAMA 66100
41	Achilleas Tsantekidis	2022	Modern Analytics – Testing Laboratories – 14 th km Thessaloniki – Polygyros, Themi Bridge, Themi 57001, Thessaloniki
42	Christina Chouchouli	2022	CaO Hellas Macedonian Avestopoiia TITAN 6 th km Thessaloniki – Lagada Rd, Thessaloniki
43	Marios Dimakis	2023	ELBAK Greek Canning Industry 5.5 km Larisa -Falani Road, Larissa 41110
44	Anastasios Gatsias	2023	Karkanias S.A. Environmental Technology Industrial Area of Larissa Postal Code 41004, Postal Box. 3053 Larissa
45	Christina Giannouli	2023	Manouras, A., Chemical Laboratory, Ltd Iakovaki 13, Trikala 42131
46	Nikolaos Ladis	2023	Cooperative of Limnos Agios Nikolaos Port, Solitaria area, Myrina GR-81400
47	Paul Stekas	2023	Vassiliko Cement Works Public Company Ltd Vassiliko Area 7738, Cyprus

48	Theophania Kleisoura	2023	Epirotic Bottling Industry S.A. Perivleptos Ioannina 45500
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**RESEARCH COLLABORATORS IN THE LAB
POST DOCTORAL ASSOCIATES**

	Ph.D.	Year	Institution
1	Maria Kapsokefalou	1998-2002	Department of Chemistry University of Crete Heraklion, Greece
2	Kilyen Melinda	2000	Department of Inorganic and Analytical Chemistry, University of Szeged Department of Inorganic and Analytical Chemistry Szeged, Hungary
3	Jancovics Hajnalka	2000	
4	Constantin Mateescu	2005-present	Department of Agrofood Engineering Technology, Banat University of Agricultural Sciences and veterinary Medicine
5	Maria Anagnostopoulou	2009 - 2010	Department of Chemical Engineering, Aristotle University of Thessaloniki
6	Melita Menelaou	2010-2011	Department of Chemical Engineering, Aristotle University of Thessaloniki
7	Catherine Gabriel	2012-2016	Department of Chemical Engineering, Aristotle University of Thessaloniki
8	Christiane Nday	2013-2016	Department of Chemical Engineering, Aristotle University of Thessaloniki
9	Savvas Petanidis	2014-2016	Department of Chemical

			Engineering, Aristotle University of Thessaloniki
10	Efrosini Kioseoglou	2014-2021	Department of Chemical Engineering, Aristotle University of Thessaloniki
11	Eleftherios Halevas	2015-2016	Department of Chemical Engineering, Aristotle University of Thessaloniki
12	Olga Tsave	2016-2020	Department of Chemical Engineering, Aristotle University of Thessaloniki
13	Sevasti Matsia	2022-2024	School of Chemical Engineering, Aristotle University of Thessaloniki

DOCTORAL THESES COMMITTEES (Ph. D.)

	Ph.D. candidate	Year	Institution
1	D. Daphnomili	July 13, 1998	Department of Chemistry University of Crete Heraklion, Greece
2	E. Davoras	December 20, 1999	
3	E. Moschou	February 18, 2000	
4	N. Chronakis	June 30, 2000	
5	G. Tsikalas	December 6, 2002	
6	J. Androulakis	June 18, 2003	
7	M. Kaliva	September 16, 2004	
8	K. Kalogiannis Title: Treatment of two biodegradable polymer and pharmaceutical substances with supercritical fluids.	2006	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
9	C. Polatidis Title: Electrochemical removal of nitrates from aqueous solutions and environmental samples through the use of constant and pulsating potential methods	2007	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
10	S. Chaitidou Three Member Committee Title: Experimental study of the synthesis of molecular imprints of polymeric micro- and nano-particles for the selective recognition of peptides.	2008	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
11	J. Katsounaros Three Member Committee Title: Electrochemical removal of nitrates on cathodic electrodes of group III and IV metals of the periodic table and their alloys.	2009	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece

12	<p>C. Gabriel Three Member Committee Title: Synthesis, isolation and physicochemical characterization of compounds between (O,N)-organic substrates and metallotoxins</p>	2009	<p>Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece</p>
13	<p>M. Menelaou Three Member Committee Title: Structural speciation and fluorescence property studies of organic substrates with toxic metal ions in aqueous and non- aqueous media</p>	2009	<p>Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece</p>
14	<p>K. Tsiptsias Title: Development of new synthetic materials of biopolymer-bioceramic nature for applications in tissue engineering.</p>	2009	<p>Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece</p>
15	<p>K. Simeonidis Title: Development of dimetallic magnetic nanoparticles with variable magnetic behavior.</p>	2009	<p>Department of Physics Aristotle University of Thessaloniki, Thessaloniki, Greece</p>
16	<p>P. Panagiotidis Three Member Committee Title: Structural speciation of metal ionic complexes of titanium with physiological substrates in binary systems with</p>	2009	<p>Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece</p>

	biological applications		
17	C. NDay Three Member Committee Title: Study of the effects of metallotoxins on neurodegenerative disease processes with emphasis on Alzheimer disease.	2009	
18	D. Koutsonikolas Title: Modification of ceramic membranes for the separation of gases and the degradation of gas pollutants in membrane reactors.	2010	
19	S. Papadopoulou Title: Systematic study of factors influencing the protective ability of coatings on ancient civilization monuments.	2010	
20	D. Kavousanaki Title: Study of the chemical composition and technical preparation of glassy objects of the Aegean civilization.	2010	Graduate program “Studies on preservation and restoration of cultural monuments” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
21	D. Nassiopoulou Title: Synthesis and reactivity study of chromenone and pyranose derivatives.	2011	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
22	M. Georgakis Title: Simulation of natural sorption of hydrogen in carbonaceous porous materials through	2012	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece

	molecular simulation methods		
23	Mahendra Aryal Title: Removal of inorganic and organic toxic substances from aqueous solutions by microbial processes	2012	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
24	Catherine Mantziaris Title: Investigation of molecular interactions of organosilicon layers through the use of nanotechnology on mineral substrates of the facade of contemporary and historical monuments	2013	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
25	Bill Georgantas Title: Study of the oxidative stress interactions between metallotoxins and amyloid targets in Alzheimer's disease	2013	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
26	Savvas Petanidis Title: Study of the interaction of metal ions with H-ras and K-ras oncogenes. Focusing on the carcinogenic cadmium and the development of anticancer vanadium metallopharmaceuticals.	2013	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
27	Efrosini Kioseoglou Title: Structural speciation of vanado-pharmaceutical materials with insulin mimetic and anticancer drug activity	2013	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
28	Alketa Tarousi Title: Interactions of transition metals with drugs bearing carboxylic acid moieties	2014	Department of Chemistry Aristotle University of Thessaloniki, Thessaloniki, Greece
29	Eleftherios Halevas Title: Study of metallo-	2014	Department of Chemical Engineering

	organic materials with antidiabetic properties and molecular hosts of encapsulation, transport and release of metallo-drugs and other micro- and macro-molecular substrates in cellular tissues.		Aristotle University of Thessaloniki, Thessaloniki, Greece
30	Olga Tsave Title: Development of structure-function models of new metallodrugs of vanadium and zinc, based on insulin mimetic molecular markers in Diabetes mellitus II	2016	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
31	Agoritsa Schizodimou Title: Electrochemical reduction of carbon dioxide	2016	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
32	John Kotoulas Title: Electrochemical reactions of industrial interest on metallic electrodes coated with self-organized monolayers of organic compounds	2017	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
33	Catherine Iordanidou Title: Binary-ternary materials of titanium and cadmium with physiological substrates in biological applications	2018	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
34	Konstantinos F. Kantelis Modelling and performance analysis of information dissemination in Communication nanonetworks	2018	School of Informatics, Faculty of Natural Sciences, Aristotle University of Thessaloniki
35	Zoi G. Lada Development and Study of Materials with	2019	Department of Chemistry, School of Natural Sciences,

	'Smart' Properties for their Potential Use in Food Packaging		University of Patras
36	Apostolos Tsolakis Synthesis, Study and Control of Magnetic Nanoparticles	2020	School of Electrical Engineering and Computer Engineering, Aristotle University of Thessaloniki
37	Konstantinos Rogotis Development, design, construction, and operation of three dimensionally printed implants from advanced composite materials with biomedical applications	2022	School of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
38	Sevasti Matsia Insulin mimetic (nano)biotechnology of metal-flavonoid and bioavailable propolis, with structure specific biomarkers in Diabetes mellitus II	2022	School of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
39	Athanasios Malakopoulos Development of advanced materials (additive and non-additive) with properties enhancing composition, physicochemical profile and mechanical properties of cement and coating materials	2023	School of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
40	Marios Maroulis Natural products, marine organisms, biofertilizers, plant growth biostimulants, oleuropein, physicochemical properties, neuroprotection, antimicrobial and antioxidant potential	2023	School of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece

HABILITATION THESES COMMITTEES IN INSTITUTIONS OUTSIDE GREECE

	Title	Habilitation candidate	Year	Institution
1	Supramolecular interactions investigated by EPR spectroscopy	Dr. Elena Gabriela Ionita	2014	Romanian Academy “Ilie Murgulescu” Institute of Physical Chemistry

**DOCTORAL THESES COMMITTEES (Ph.D.) IN INSTITUTIONS
OUTSIDE GREECE**

	Title	Ph.D. candidate	Year	Institution
1	Structure and reactivity of silyl-aminoalcohols with complexes of oxovanadium and boron in aqueous media.	Eugene Eugeniou	February 2006	Department of Chemistry, University of Cyprus

**GRADUATE DEGREE THESES (M.Sc.)
COMMITTEES**

	M.Sc. candidate	Year	Place
1	C. Matsingou	October 6, 2000	Department of Chemistry University of Crete Heraklion, Greece
2	L. Gryllos	April 4, 2001	
3	N. Kotsakis	2001	
4	J. Tsikalas	July 3, 2001	
5	J. Androulakis	October 10, 2001	
6	Z. Viskadourakis	November 14, 2001	
7	E. Kefalas	July 1, 2004	
8	A. Mateescu	November 13, 2004	
9	N. Petrakis	November 15, 2004	
10	P. Karakosta	July 7, 2010	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
11	A. Malakopoulos	May 8, 2012	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
12	E. Halevas	June 6, 2012	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
13	S. Aggeli	September 22, 2012	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
14	E. Hatzigeorgiou	March 6, 2014	Graduate program “Processes and Technology of

			Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
15	T. Architectonidis	March 6, 2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
16	G. Kotriklas	July 4, 2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
17	S. Sarigolis	July 4, 2014	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
18	K. Rogotis	February 23, 2016	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
19	N. Mantzos	August 26, 2016	Graduate program “Processes and Technology of Advanced Materials” School of Engineering Aristotle University of Thessaloniki

			Thessaloniki, Greece
20	M. Kafantari	March 6, 2017	Graduate program, Department of Chemical Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
21	H. Foka	March 6, 2017	Graduate program, Department of Chemical Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
22	S. Matsia	February 23, 2018	Processes and Technology of Advanced Materials Faculty of Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
23	M. Haini	July 13, 2020	Graduate program “Chemical and Biomolecular Engineering” School of Chemical Engineering, Aristotle University of Thessaloiniki
24	M. Karamitrou	July 13, 2020	Graduate program “Chemical and Biomolecular Engineering” School of Chemical Engineering, Aristotle University of Thessaloiniki
25	S. Koumpia	July 13, 2020	Graduate program “Chemical and Biomolecular Engineering” School of Chemical Engineering, Aristotle University of Thessaloiniki
26	D. Karagiannidou	December 7, 2021	Graduate program “Chemical and Biomolecular

			Engineering” School of Chemical Engineering, Aristotle University of Thessaloiniki
27	G. Hatziangelou	December 7, 2021	Processes and Technology of Advanced Materials Faculty of Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
28	T. Papachatzaki	July 6, 2022	Processes and Technology of Advanced Materials Faculty of Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
29	H. Paschou	February 21, 2023	Chemical and Biomolecular Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
30	E. Mpougioukli	May 15, 2023	Chemical and Biomolecular Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
31	C. Giannios	October 13, 2023	Chemical and Biomolecular Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
32	C. Vryzas	October 13, 2023	Processes and Technology of Advanced Materials Faculty of Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
33	P. Manoloudis	October 13, 2023	Processes and Technology of Advanced Materials

			Faculty of Engineering, Aristotle University of Thessaloniki Thessaloniki, Greece
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**GRADUATE DEGREE THESES (M.Sc.) COMMITTEES
IN INTER-INSTITUTIONAL GRADUATE DEGREE PROGRAMS**

	M.Sc. title	M.Sc. candidate	Year	Place
1	Synthesis, characterization and study of new complexes, with potential anti-viral activity, of group 11 ions in the periodic table, bearing heterocyclic thioamide ligands.	Panagiotis Zachariadis	2002	Department of Chemistry University of Ioannina Ioannina, Greece
2	Metallic complexes of substrates of biological significance based on inorganic materials.	Alexia Serafeimidis	2002	
3	Study of the mechanism of action of thioamides in the inhibition of the synthesis of thyroid hormones. Design and synthesis of new anti-thyroid drugs.	Ghada J. Corban	2003	

**GRADUATE DEGREE THESES (M.Sc.) COMMITTEES
IN INTER-DEPARTMENTAL GRADUATE DEGREE PROGRAMS**

	M.Sc. title	M.Sc. candidate	Year	Place
1	Investigation of metal ionic effects on mammalian nervous systems. An ex vivo and in vitro study.	Olga Tsave	2015	Department of Biology, Aristotle University of Thessaloniki, Thessaloniki Greece

CITATIONS

Number of citations: 6364

The H-index is 39

The average number of citations per publication stands at 25

Note: The citation search was carried out through **Science Citation Index** of the **ISI Web of Science, and Google Scholar**.

In this search **no citations** are included for

α) publications and chapters or monographs in textbooks or volumes thereof.

β) publications resulting from presentations in national and international meetings and placed in the Archives of Peer-Reviewed Conferences.

BOOKS AND LECTURE NOTES

1. Principles of Chemistry: Structure and Properties
Nivaldo J. Tro
Translation by: P. D. Akrivos, A. Ep. Giannakas, K. Kollia, D. Makris, G. Malandrinou, K. Milios, I. Th. Mourtzinou, A. Salifoglou, C. Tananaki, C. Fountzoula, S. Haroutounian, A. G. Hatzidimitriou
Edition 1, **2021**
Broken Hill Publishers Ltd
2. Laboratory Exercises in Inorganic Chemistry
A. Salifoglou
Modern Education Publications
Thessaloniki **2019**
3. Biomaterials: The Intersection of Biology and Materials Science
J.S. Temenoff, A.G. Mikos. Edition 2008.
Translation by: E. Amanatidis, M. Kouli, A. Salifoglou, M. Hatzinikolaïdou
Edition 2017, Utopia Publications.
4. Adipose Tissue as a Biomarker in Data Mining Predictive Models of Metabolic Pathophysiologies
Part IV Biosignals and Biomarkers
O. Tsave, I. Kavakiotis, I. Vlahavas, and A. Salifoglou
“Precision Medicine Powered by pHealth and Connected Health”
ICBHI 2017, Thessaloniki, Greece, 18–21 November 2017
N. Maglaveras, I. Chouvarda, P. de Carvalho (Eds.)
IFMBI Proceedings, **2017**, Vol. 66, p. 105-108.
5. Synthetic and Structural Studies of Aqueous Vanadium(IV,V) Hydroxycarboxylate Complexes.
A. Salifoglou
In “Vanadium: The Versatile Metal”; Kustin, K.; Pessoa, J. C.; Crans, D. C. (Eds.);
American Chemical Society, Washington DC; **2007**, p. 377-390.
6. Laboratory Exercises in Inorganic Chemistry
B. Salifoglou
Korakidis Publications
Thessaloniki **2006, 2007, 2012, 2017**
7. Oxidative Theory in the Pathogenesis of Alzheimer’s Disease
A. Salifoglou
In “Senilities: From Genetics to Therapy”, M. Tsolaki, Editor
University Studio Press, Thessaloniki, Greece, **2005**
8. Aluminum Metallotherapeutics
A. Salifoglou
in “*Metallotherapeutic Agents*”, Marcel Gielen, Edward R. T. Tiekink, Editors
Wiley Interscience, Brussels, **2004**

9. Chemistry Lab I
Department of Chemical Engineering
Aristotle University of Thessaloniki, Thessaloniki, **2004**
10. Chemistry Lab II
Department of Chemical Engineering
Aristotle University of Thessaloniki, Thessaloniki, **2004**
11. Safety in the Chemistry Lab-Rules of Conduct
Department of Chemical Engineering
Aristotle University of Thessaloniki, Thessaloniki, **2004**
12. Inorganic Chemistry I
Department of Chemistry, University of Crete,
Heraklion, **1998**.
13. From the Mass Production of *Methylococcus capsulatus* to the Efficient Separation and isolation of Methane Monooxygenase Proteins. Characterization of Novel Intermediates in Substrate Reactions of Methane Monooxygenase.
K. E. Liu, A. M. Valentine, D. Wang, B. H. Huynh, D. E. Edmondson, A. Salifoglou, and S. J. Lippard,
in "*Cytotoxic, Mutagenic and Carcinogenic Potential of Heavy Metals, Including Metals Related to Human Environment*", N. Hadjiliadis, Ed. Kluwer Academic Publishers. Netherlands. **1997**, 273-286.
14. Inorganic Chemistry II
Department of Chemistry, University of Crete,
Heraklion, **1997**.

PARTICIPATION IN GRADUATE STUDY PROGRAMS

1. Faculty of Engineering 2021-present
Aristotle University of Thessaloniki
Graduate Program
Biomedical Engineering
Thessaloniki, Greece
2. Department of Chemistry 2017-present
University of Ioannina
Inter-University Graduate Studies Program
Biological Inorganic Chemistry
3. Faculty of Engineering 2015-present
Aristotle University of Thessaloniki
Graduate Program
Chemical and Biomolecular Engineering
Department of Chemical Engineering
Thessaloniki, Greece
4. School of Engineering 2008-present
Aristotle University of Thessaloniki
“Processes and Technology of Advanced Materials”
Director of the Graduate Program 2008-2010
2022-2024
Interdepartmental Graduate Studies Program
Thessaloniki, Greece
5. School of Engineering 2005-2010
Aristotle University of Thessaloniki
“Protection, Maintenance and Renovation of Monuments of Civilization”
Interdepartmental Graduate Studies Program
Thessaloniki, Greece
6. Faculty of Chemistry-Biology-Geography 2005-present
West University of Timisoara
“The Chemistry of Biologically Active Compounds”
Timisoara, Romania
7. Department of Chemistry 1998-2012
University of Ioannina
“Bioinorganic Chemistry”
Ioannina, Greece
8. Department of Chemistry 1996-2004
University of Crete
“General Graduate Studies Program”
Heraklion, Greece

- 9.** Department of Chemistry 1998-2004
University of Crete
“Synthesis and Isolation of Natural Products with Biological Activity”
Heraklion, Greece
- 10.** Department of Chemistry 2001-2004
“Applied Molecular Spectroscopy”
Heraklion, Greece

PARTICIPATION IN RESEARCH NETWORKS

- 1. COST D8 of the European Action Program** 1996-2001
Action D8: Chemistry of metals in medicine (COMM)
Domain: Chemistry and Molecular Sciences and Technologies
Action Title: Chemistry of metals in medicine (COMM)
- 2. COST D21 of the European Action Program** 2001-2006
Action D21: Metalloenzymes and Chemical Biomimetics
Domain: Chemistry and Molecular Sciences and Technologies
Action Title: Metalloenzymes and Chemical Biomimetics
- 3. COST D29 of the European Action Program** 2001-2007
Action D29: Sustainable/Green Chemistry and Chemical Technology
Domain: Chemistry and Molecular Sciences and Technologies
Action Title: Sustainable/Green Chemistry and Chemical Technology
- 4. Hellenic Biomaterials Network (H-Bio-MatNet)** 2006 - present

Principal Co-founder of **H-Bio-MatNet**

The Network was created to a) promote interdisciplinary research involving Sciences, Health Sciences, and Engineering, and b) forge cutting-edge technology across scientific barriers in a competitive fashion. The main scientific fields of the thematic Network are biomaterials with specific emphasis on Bioactive Materials, Biomimetics and Tissue Engineering.

Web address: <http://www.biomatnet.gr/>

ORGANIZATION OF CONFERENCES

National Conferences

1. Member of the Panhellenic Committee
13th Panhellenic Chemical Engineering Conference
June 2-4, 2022, Patras, Greece
2. Member of the Panhellenic Committee
11th Panhellenic Conference on Alzheimer's Disease & 3rd Mediterranean Conference on Neurodegenerative Diseases
February 14-17, 2019, Thessaloniki, Greece
3. Member of the Scientific Committee
**11th Pan-Hellenic Conference in Chemical Engineering
Chemical Engineering: Lever of Innovation and Development**
May 25-27, 2017, Thessaloniki, Greece
4. Member of the Scientific Committee
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece
5. Member of the Scientific Committee
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
6. Member of the Organizing Committee
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece
7. Chairman of the Organizing Committee
"Safety and Health Practices in Foods"
October 24, 1998, Heraklion, Greece

International Conferences

1. Member of the International Organizing Committee
16th International Symposia on Applied Bioinorganic Chemistry – ISABC 16
June 11–14, 2023, Ioannina, Greece
2. Member of the Scientific Committee
13th Panhellenic Conference on Alzheimer's Disease (PICAD) and 5th Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 9-12, 2023, Thessaloniki, Greece
3. Member of the Scientific Committee
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology

Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
Faculty of Food Engineering
May 23-24, 2019, Timișoara, Romania

4. Member of the Scientific Committee
7th National Inorganic Chemistry Congress, with International Participation
Faculty of Arts and Sciences, Department of Chemistry
Hittite University, Corum, Turkey
June 19-22, 2019, Corum, Turkey
5. Member of the Scientific Committee
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
Faculty of Food Engineering
May 23-24, 2019, Timișoara, Romania
6. Member of the Scientific Committee
New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection" 11th Edition
Romanian Academy – Timisoara Branch
Institute of Chemistry Timisoara of the Romanian Academy
Politehnica University of Timisoara
Faculty of Industrial Chemistry and Environmental Engineering
June 28-29, 2018, Timișoara, Romania
7. Member of the Scientific Committee
New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection" 10th Edition
Romanian Academy – Timisoara Branch
Institute of Chemistry Timisoara of the Romanian Academy
Politehnica University of Timisoara
Faculty of Industrial Chemistry and Environmental Engineering
June 08-09, 2017, Timișoara, Romania
8. Member of the Scientific Committee
The 7th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
Faculty of Food Processing Technology
May 25-26, 2017, Timișoara, Romania
9. Member of the Scientific Committee
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece
10. Member of the Scientific Committee
International Conference of Physical Chemistry

Romphyschem 16

Romanian Academy of Sciences
September 21-24, 2016, Galati, Romania

11. Member of the Scientific Committee
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of symposium with international participation
Romanian Academy of Sciences
June 9-10, 2016, Timișoara, Romania
12. Member of the Scientific Committee
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
13. Member of the Scientific Committee
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 28-29, 2015, Timisoara, Romania
14. Member of the Scientific Committee
Chemistry as a Pillar of Growth in a post-Crisis Era
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
15. Member of the Scientific Committee
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania
16. Member of the Scientific Committee
The 5th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 29-30, 2014, Timisoara, Romania
17. Member of the Scientific Committee
International Conference of Physical Chemistry
Romphyschem 15
Romanian Academy of Sciences
September 11-13, 2013, Bucharest, Romania
18. Academic Team

Committee of Natural Sciences

**Topic: Controlling, financing and promoting medical research on genetics-cloning
SimUnesco (Simulation of UNESCO Corfu) Conference**

Ionian University

August 21-24, 2013, Corfu, Greece

19. Member of the Scientific Committee
13th Edition of Academic Days Timisoara Chemistry Symposium- New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 13-14, 2013, Timișoara, Romania
20. Member of the Scientific Committee
5th International Congress and the 31st Annual Scientific Session of the Romanian Society for Cell Biology
June 5-9, 2013, Timișoara, Romania
21. Member of the Scientific Committee
The 4th International Conference on Food Chemistry, Engineering & Technology
May 30-31, 2013, Timișoara, Romania
22. Member of the Scientific Committee
**9th Pan–Hellenic Scientific Conference in Chemical Engineering
“The Contribution of Chemical Engineering to Sustainable Development”**
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece
23. Member of the Scientific Committee
New Trends and Strategies in the Chemistry of Advanced Materials
November 8-9, 2012, Timisoara, Romania
24. Member of the Organizing Committee
European Biological Inorganic Chemistry 11 (EUROBIC 11) Conference
September 12-16, 2012, Granada, Spain
25. Member of the International Advisory Committee 2009-present
International Symposium on Applied Bioinorganic Chemistry
26. Member of the Scientific Committee
**The 3rd International Conference on
Food Chemistry, Engineering & Technology**
May 10-11, 2012, Timișoara, Romania
27. Member of the Scientific Committee
**5th International Symposium on New Trends and Strategies in the Chemistry of
Advanced Materials**
November 3-4, 2011, Timisoara, Romania
28. Member of the Scientific Committee

**The 2nd International Conference on
Food Chemistry, Engineering & Technology**
May 19 – 20, 2011, Timișoara, Romania

29. Member of the Organizing Committee
**1st International Conference on Advances in Biotechnology-Industrial Microbial
Biotechnology (ABIMB2010)**
November 3-5, 2010, Thessaloniki, Greece
30. Co-Chairman and Organizer
with Prof. D. Kessissoglou (AUTH) and Prof. N. Hadjiliadis (U. Ioannina)
European Biological Inorganic Chemistry 10 (EUROBIC 10) Conference
June 22-26, 2010, Thessaloniki, Greece, **2010**
31. Member of the Organizing Scientific Committee
“7th International Conference of Trace Elements in Humans: New Perspectives”
October 13-15, 2009, Athens, Greece
32. Member of the Organizing Scientific Committee
**“Food Sciences, Processes and Technologies. Trends in Food Safety and
Processing”**
May 27-29, 2009, Timisoara, Romania
33. International Organizing Committee
European Biological Inorganic Chemistry 9 (EUROBIC 9) Conference
September 2-6, 2008
Wroclaw, Poland
34. Member of the Organizing Board
“Trends In Food Safety and Processing”
May 17-18, 2007, Timisoara, Romania
35. Member of the Organizing Board
“New Trends In Food Safety and Food Technologies”
May 25-26, 2006, Timisoara, Romania
36. Co-organizer
COST D21/009/01 WG Meeting
“Insulin mimetic vanadium compounds”
October 1-2, 2005, Thessaloniki, Greece
37. Member of the Organizing Board
SAFE FOOD ALL OVER EUROPE
“Agroalimentary Science, Process and Technology”
May 26-27, 2005, Timisoara, Romania
38. Member of the Organizing Board
“Agroalimentary Science, Process and Technology”
May 20-21, 2004, Timisoara, Romania

Appearance on Mass-Media

1. ET3 TV

Electra palace Hotel Press Conference
October 12, 2011, Thessaloniki, Greece

Title of the Presentation “Diagnostic Challenges in Alzheimer’s dementia”

The purpose was to

- a) present the work carried out at the Laboratory of Inorganic Chemistry at the Chemical Engineering Department of Aristotle University of Thessaloniki on Alzheimer’s disease fundamental processes linked to neurodegeneration
- b) emphasize the links among seven research groups at Aristotle University of Thessaloniki, all striving to provide solutions to problems linked to Alzheimer’s disease
- c) raise awareness on the specificity of goals of the collective research efforts targeting key issues in neurodegeneration and the associated dementia in Alzheimer disease.
- d) project the short and long term goals of the collective research covering a plethora of scientific approaches and strategies, all converging to solutions to hot problems in Alzheimer’s disease through multidisciplinary research at Aristotle University of Thessaloniki
- e) exhibit tangible efforts that emphasize the importance of work linking the University with the Community in Thessaloniki and the country.

2. 3E TV

Chairman of the Organizing Committee Eurobic10 Conference
June 22-26, 2010, Thessaloniki, Greece

The purpose was to

- a) present the scope and goals of the Eurobic10 Conference in Greece
- b) emphasize the importance of metal ions in life processes and abiotic systems, with wide applications in research, industry, pharmaceuticals and medicine
- c) raise awareness on the significance of metal ions in environmental and biological toxicity as well as their therapeutic potential in treating chronic and severe diseases, thereby improving the quality of life and saving the lives of people
- d) denote the importance of metal ions in everyday life and science through which research can generate technological advancements for the improvement of life threatening diseases, while concurrently strengthen the biological as well as abiotic-biological hybrid metal ionic arsenal in supporting nutritional standards for the improvement of the quality of life on the entire planet.

3. Realitata TV

March 24, 2007, Timisoara, Romania

The purpose was to

- a) promote collaborative scientific endeavors at the bilateral international level between Aristotle University Engineering Departments and their Romanian counterparts targeting cutting edge technology projects at a competitive level leading to applications in materials and Health Industry
- b) emphasize the significance of interdisciplinary multilateral scientific collaboration thereby establishing a network of activities and researchers collectively pursuing high level research in the Balkan Area and the European level.

4. Crete TV – FM 104

Chairman of the Organizing Committee
“Safety and Health Practices in Foods”
October 24, 1998, Heraklion, Greece

The purpose was to

- a) publicize the importance of and promote the upcoming Conference to the Society (Science and non-Scientists)
- b) denote the essence of the fundamental sciences in achieving high quality standards (HASSP) commensurate with the safety and health guidelines of the Food Technology Industries.
- c) raise awareness and educate the public on the significance of flow of information on Food Safety and Health related issues from the scientific world to the contemporary society and consumers.

Appearance in newspapers

1. Safety in BioSafety training in higher education
Thestival
September 2023

RESEARCH GRANTS

- | | |
|--|--|
| <p>1. Synthesis and Biological Activity of V-Fe-S complexes
Relevant to the active site center in alternative nitrogenases
Research Committee of the University of Crete
Principal Investigator</p> | <p>1997-1998

4,950,000 Dr.</p> |
| <p>2. Technology and Production of Olive Oil and Wine in Crete
DIAVLOS Program
General Secretariat of Research and Technology
Principal Investigator</p> | <p>1997-1998

650,000 Dr.</p> |
| <p>3. The role of carcinogenic metals in the interaction of
VTR <i>HRAS1</i> with transcriptional regulators
Research Committee of the University of Crete
Principal Investigator</p> | <p>1999-2001

2,000,000 Dr.</p> |
| <p>4. Vanadium complexes. Synthesis and Biological Activity
Research Committee of the University of Crete
Principal Investigator</p> | <p>1999-2001

2,300,000 Dr.</p> |
| <p>5. The role of aluminum and iron metal ions
In the formation of amyloid plaques in Alzheimer's disease
General Secretariat of Research and Technology, EPET II
Principal Investigator</p> | <p>1999-2001

32,000,000 Dr.</p> |
| <p>6. Metal Dependent oxidative Damage of β-Amyloid Peptides
Related to Alzheimer's Disease
CRG Grant
NATO- Principal Investigator</p> | <p>1997-1999

2,100,000 Dr.</p> |
| <p>7. Undergraduate Study Programs and University Textbooks
Ministry of Education and Religious Affairs
EPEAEK- Principal Investigator</p> | <p>1997-1999

66,500,000 Dr.</p> |
| <p>8. Evaluation of AEI Educational Work
Ministry of Education and Religious Affairs
EPEAEK- Principal Co-Investigator</p> | <p>1999

9,000,000 Dr.</p> |
| <p>9. Novel Bioinorganic Chemistry of Aluminum ...in Continuous
Ambulatory Peritoneal Dialysis Patients
General Secretariat of Research and Technology
Bilateral Collaboration with Slovenia
Principal Investigator</p> | <p>1998-2000

2,730,000 Dr.</p> |
| <p>10. Center for Distribution and Education for the Crystallographic
Data Base "Cambridge Structural Database System (CSDS)".
Research Committee of the University of Crete
Principal Investigator for the entire University Community
In Greece</p> | <p>1997-2001

1,800,000 Dr.</p> |

- 11. EPEAEK Graduate Studies Program** 1998-2003
 Department of Chemistry – University of Crete
 “Synthesis and Isolation of Natural Products with Biological Activity”
 Participant Faculty Member
 Amount of Grant 1998-2000: 348,000,000 Dr.
 Amount of Grant 2000-2001: 22,000,000 Dr.
 Amount of Grant 2001-2003 (EKT and ETPA): 112,000 Euros
- 12. EPEAEK Graduate Studies Program** 2001-2003
 Department of Chemistry – University of Crete
 “Applied Molecular Spectroscopy”
 Participant Faculty Member
 Amount of Grant 2001-2003 (EKT and ETPA): 240,000 Euros
- 13. EPEAEK Graduate Studies Program** 1998-2003
 Department of Chemistry – University of Crete
 “Bioinorganic Chemistry”
 Participant Faculty Member
 Amount of Grant 1998-2000: 321,266,000 Dr.
 Amount of Grant 2000-2001: 22,000,000 Dr.
 Amount of Grant (EKT and ETIIA): 288,000 Euros
- 14. “Synthesis, Structure, Physical Properties, Solution Speciation ...of Potentially Insulin-Mimetic Vanadium Compounds”**
 Cost D8-0022-97 Program of the European Union 1997-2001
 Cost D21-0009-01 Program of the European Union 2001-2003
 Partner Investigator
 Amount of Grant: max 50,000 €/investigator
 Coverage: α) Transportation, Room and Board, and Experimental Expenses of Graduate Students in Participating D21 Labs
 β) Transportation to D21 Conferences and Working Group Meetings
- 15. Aluminum Neurotoxicology: an Interdisciplinary approach to the study of the metal speciation in chemistry and Biology**
 Cost D8-0014-97 Program of the European Union 1998-2001
 Partner Investigator
 Amount of Grant: max 50,000 €/investigator
 Coverage: α) Transportation, Room and Board, and Experimental Expenses of Graduate Students in Participating D8 Labs
 β) Transportation to D8 Conferences and Working Group Meetings
- 16. Aluminum dicarboxylic and aminophosphonic acid complex aqueous chemistry relevant to Alzheimer's disease** 2001-2003
 General Secretariat of Research and Technology
 Bilateral Collaboration between Romania and Greece
 Principal Investigator 4,900,000 Dr.

- 17.** Cost Action D29 of the European Union: 2001-2007
 Sustainable/Green Chemistry and Chemical Technology
 Action Title: Sustainable/Green Chemistry and Chemical Technology
 Domain: Chemistry and Molecular Sciences and Technologies
 Partner Investigator
 Amount of Grant: max 50,000 €/investigator
 Coverage: a) Transportation, Room and Board, and Experimental Expenses of Graduate Students in Participating D8 Labs
 b) Transportation to D29 Conferences and Working Group Meetings
 c) Short Term Scientific Missions (1,200 € per student per STSM)
- 18.** Aqueous Al(III)-phosphonate species relevant to the interactions of neurotoxic Al(III) with the aberrant hyperphosphorylated protein τ (tau) in the neurofibrillary tangles of Alzheimer's disease. 2004-2007
 General Secretariat of Research and Technology
 Bilateral Collaboration between Romania and Greece
 Principal Investigator 12,191 €
- 19.** EPEAEK Undergraduate Program 2003-2006
 "Upgrading of Undergraduate Studies Program"
 Principal Investigator from 2003 up to transfer to AUTH (EKT and ETIIA) 310,000 €
- 20.** Synthetic, spectroscopic and structural studies in the speciation Of insulin mimetic vanadium in the presence of physiological and biomimetic substrates in aqueous media 2003-2005
 Heraklitos Program: Research Scholarships with Priority given to Basic Research
 Principal Investigator 34,000 €
- 21.** Fluorescence sensors of heavy metal ions with new selective fluorescence ligands 2004-2007
 Synthesis, physicochemical characterization and applications of complexes between heavy metal ions with new selective fluorimetric substrates
 Pythagoras Program: Support of University Research Groups
 Principal Investigator 50,000 €
- 22.** Study and development of toxic metal ion fluorescence sensors in the environment through the use of HPLC-PCD chromatography 2005-2008
 PENED Program 2003
 Principal Investigator 165,000 €
- 23.** Study of the interaction of biotoxic metal ions with minisatellite DNA and consequences on the transcriptional regulation of the H-Ras oncogene 2010-2013

Heraklitos II: Support of human research capital through implementation of doctoral research Principal Investigator	50,000 €
24. New Developments of Chemical Engineering in Functional Materials and Cutting Edge Technologies for the Development of Advanced Materials and Services Principal Investigator	2012-2016 450,000 €
25. Advanced Materials for Mercury Removal (MerCap) Program EPAN-II (OPC-II)/ESPA (NSRF): “SYNERGASIA II”, Project (MERCAP) “Advanced Materials for Mercury Capture” (11SYN-8-206), co-Financed by the European Union and the Greek State Partner Investigator	2012-2015 600,000 €
26. ERA-NET Blue-Bio. MARIEGREEN Project “Sustainable utilization of MARIne resources to foster GREEN plant production in Europe” Partner Investigator	2021-2024 1,488,000 €
27. “Innovation Investment Plans” Action “Development of natural product with neuroprotective action based on the plant cranium” Operational Program “Central Macedonia 2014-2020”	2021-2023 263,090 €
28. Charcot-Marie-Tooth Association (CMTA) “Nanoparticle-based gene delivery to Schwann cells for treating CMT disease” Partner Investigator	2023-2026 100,000 \$

ACTIVE COLLABORATION WITH OTHER LABS

1. “Ilie Murgulescu” Institute of Physical Chemistry, Romanian Academy of Sciences, 125 Calea Victoriei, Sector 1, Bucharest, RO-010071, Romania
Collaborators: Elena Gabriella Ionita
2. Department of Chemistry, University of Bucharest, Panduri 90-92, Bucharest 050663, Romania
Collaborators: Petre Ionita
3. Institute of Materials Science, NRCPS “Demokritos”, Aghia Paraskevi 15310, Attiki, Greece.
Collaborators: A. Terzis, C. P. Raptopoulou, V. Psycharis
4. Institut für Experimentelle Physik II, Universität Leipzig, Leipzig 04103, Germany.
Collaborators: M. Bertmer
5. Diabetes Center, AHEPA Hospital, First Department of Medicine, Aristotle University of Thessaloniki, Thessaloniki 54124, Greece
Collaborators: J.G. Yovos, M.P. Yavropoulou
6. Institute of Organic and Pharmaceutical Chemistry, National Hellenic Research Foundation, Athens 11635, Greece.
Collaborators: M. Zervou
7. Institute of Organic and Pharmaceutical Chemistry, National Hellenic Research Foundation, Athens 11635, Greece.
Collaborators: T. Mavromoustakos
8. Department of Materials Science, University of Patras, Patras 26500, Greece.
Collaborators: V. Tangoulis
9. Department of Inorganic and Analytical Chemistry, University of Szeged, Szeged, H-6720, Hungary.
Collaborators: T. Kiss, T. Jakusch
10. Department of Physical Chemistry, University of Kossuth, Debrecen, H-6720, Hungary.
Collaborators: Istvan Banyai
11. Biophysics Research Division, University of Michigan, Ann Arbor, MI 48109, U.S.A.
Collaborators: R. Dunham, N. Moon
12. Department of Inorganic and Analytical Chemistry, The Hebrew University of Jerusalem, 91904 Jerusalem, Israel.
Collaborators: N. Karligiano, A. Bino
13. Division of Chemistry, Josef Stefan Institute, Ljubljana, Slovenia.
Collaborators: J. Scancar, R. Milacic

- 14.** Department of Medicine, Division of Basic Sciences, University of Crete, Heraklion 71409, Greece.
Collaborators: V. Zannis, D. Kardasis
- 15.** CNR Unit on Metalloproteins, Dept. of Biology, University of Padova, Viale Trieste 75, 35131 Padova – Italy.
Collaborators: P. Zatta
- 16.** Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139, USA.
Collaborators: C. L. Cooney, J.-F. Hamel
- 17.** Department of Chemistry, University of Missouri, Rolla, Missouri, USA.
Collaborators: P. Stavropoulos
- 18.** Foundation for Research and Technology Hellas (FORTH), Institute of Chemical Engineering and High Temperature Chemical Processes (ICE/HT), Patras 26500, Greece.
Collaborators: G. Voyiatzis
- 19.** Institute of Electronic Structure and Laser, Foundation for Research and Technology Hellas, 71110 Heraklion, Greece.
Collaborators: J. Giapintzakis
- 20.** Faculty of Food Processing Technology, Banat University of Agricultural and Veterinary Medicine, 119 Calea Aradului, Timisoara 300645, Romania
Collaborators: C. Mateescu
- 21.** Department of Chemistry, University of Puerto Rico, San Juan, PR 00931-3346, USA
Collaborators: R. Raptis
- 22.** Department of Chemistry, Juniata College, Huntingdon, PA 16652, USA.
Collaborators: P. Baran
- 23.** Lab. of Histology-Embryology and Anthropology, Faculty of Medicine, Aristotle University of Thessaloniki, Thessaloniki, Greece
Collaborators: Elpida-Niki Emmanouil-Nikoloussi
- 24.** Faculty of Chemistry, Biology and Geography, West University of Timisoara, Timisoara, Romania
Collaborator: Vasile Ostafe
- 25.** Faculty of Chemistry, University of Wroclaw, F. Joliot-Curie 14, 50-383 Wrocław, Poland
Collaborators: H. Kozlowski
- 26.** Section of Sciences, Academy of Sciences of Romania, Bucharest, Romania
Collaborators: Academician E. Sahini, Prof. S. Ionescu
- 27.** Faculty of Applied Chemistry and Materials Science, University Politehnica of Bucharest, Bucharest, Romania

Collaborators: C. Guran

28. National Research & Development Institute for Electrochemistry and Condensed Matter, (INCEMC Timisoara), Department of Condensed Matter, Timisoara, Romania.
Collaborators: Adina Segneanu and Ioan Grozescu

29. Laboratoire de Chimie de Coordination du CNRS, 205 route de Narbonne, 31077
Toulouse Cedex, France
Collaborator: J.-P. Tuchagues

PUBLICATIONS-PRESENTATION OF RESEARCH ACTIVITIES

Invited and Plenary Lectures

International Meetings – Institutes - Universities

Papers Presented and Published in the Archives of International Conferences

1. “Ligand-specific structural features guide vanadium-dependent cell differentiation in adipogenesis”
Invited Lecture
A. Salifoglou
13th International Vanadium Symposium, VI3
Calouste Gulbenkian Foundation
November 22-24, 2023, Lisbon, Portugal
2. “Computational Problems in Cancer Immunotherapy”
Invited Lecture
A. Salifoglou
Scientific and Quantum Computing in the AI era. Theory and Applications.
Pfizer Corporation
November 15, 2023, Thessaloniki, Greece
3. “Advancing hybrid molecular materials of zinc for cellular differentiation in diabetes mellitus II”
Plenary Lecture
A. Salifoglou
The 17th International Conference of Physical Chemistry – Romphyschem 17
September 25-27, 2023, Bucharest, Romania
4. The chemistry and biology of an early transition metal ion inducing cell differentiation and maturation in diabetes mellitus II
A. Salifoglou
Plenary Lecture
New Trends in Chemistry Research
September 21–22, 2023, Timișoara, Romania
5. “Titanium in human pathophysiology disorders. A player in cell differentiation and osteogenesis”
A. Salifoglou
Invited Lecture
16th International Symposia on Applied Bioinorganic Chemistry – ISABC 16
June 11–14, 2023, Ioannina, Greece
6. “Molecular engineering of natural antioxidant capacity drives future neuroprotective technologies in human health”
A. Salifoglou
Plenary Lecture
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences – Timișoara

May 25–26, 2023, Timișoara, Romania

7. “Hybrid chromium-flavonoid materials promoting antioxidant capacity roles in human (patho)physiology”
A. Salifoglou
Plenary Lecture
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences – Timișoara
May 25–26, 2023, Timișoara, Romania
8. “Naringin and naringenin derivatives with diamines and polyamines in antioxidant activity”
S. Matsia, A. Salifoglou
Invited Lecture
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences – Timișoara
May 25–26, 2023, Timișoara, Romania
9. “Bioinorganic metal-organics in the fabrication of films for food packaging”
A. Salifoglou
Invited Lecture
Romanian Academy – Timisoara Branch
Institute of Chemistry Timisoara of the Romanian Academy
May 22, 2023, Timișoara, Romania
10. “Structural speciation of vanadium in Diabetes mellitus II”
Invited Lecture
Romanian Academy – Bucharest
Institute of Chemistry of the Romanian Academy
May 19, 2023, Bucharest, Romania
11. “From etiopathogenesis in Alzheimer’s disease to natural products with neuroprotective properties”
A. Salifoglou
Invited Lecture
13th Panhellenic Conference on Alzheimer’s disease & 5th Mediterranean conference on Neurodegenerative Diseases
February 9–12, 2023, Thessaloniki, Greece
12. “Titanium structural speciation insulin mimesis and osteogenesis”
A. Salifoglou
Invited Lecture
Romanian Academy – Timisoara Branch
Institute of Chemistry Timisoara of the Romanian Academy
January 18, 2023, Timisoara, Romania
13. “Metal Ions in Neurodegenerative Diseases.”
Invited Lecture

Research Institute of the West University of Timisoara
West University of Timisoara
January 17, 2023, Timisoara, Romania

14. “Antioxidant power: A scientific tool in Food Engineering”
A. Salifoglou
Plenary Lecture
Doctoral School
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” – Timișoara
May 27, 2022, Timișoara, Romania
15. “Synthetic structural speciation of Cd-containing systems links to biotoxicity profiling”
A. Salifoglou
Invited Lecture
Research Institute of the West University of Timisoara
West University of Timisoara
May 27, 2022, Timisoara, Romania
16. “The advent of vanadium chemistry in human metabolism”
A. Salifoglou
Plenary Lecture
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” – Timișoara
May 26–27, 2022, Timișoara, Romania
17. “Synthetic challenges in aqueous ternary cadmium systems. In vitro tissue-specific cytotoxicity profiles.”
B. Salifoglou
Invited Lecture
Romanian Academy – Timisoara Branch
Institute of Chemistry Timisoara of the Romanian Academy
May 26, 2022, Timisoara, Romania
18. “Encapsulation of pharmaceuticals in polymeric matrix microparticles for the treatment of Chronic Obstructive Pulmonary Disease”
A. Tsimpris, S. Matsia, N. Boukos, E. Sakellis, A. Salifoglou
Invited Lecture
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” – Timișoara
May 26–27, 2022, Timișoara, Romania
19. “Natural oil encapsulation into inorganic silica nanoparticles”

- C. Karakosta, S. Matsia, A. Salifoglou
Invited Lecture
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
 May 26–27, 2022, Timișoara, Romania
20. "Thin biopolymer film construction for food safety applications"
 K. Rogkotis, S. Matsia, A. Salifoglou
Invited Lecture
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
 May 26–27, 2022, Timișoara, Romania
21. "Development of analytical tools package for the characterization of low and high nitrogen algal cake"
 M. Maroulis, S. Matsia, M. Perikli, O.C. Parvulescu, V.A. Ion, A.-K. Løes, J. Cabell, A. Salifoglou
Invited Lecture
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
 May 26–27, 2022, Timișoara, Romania
22. "The chemistry of Pb with hydroxycarboxylic acids identifies soluble species linked to its toxicity determination"
 M. Perikli, M. Maroulis, S. Matsia, A. Salifoglou
Invited Lecture
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
 May 26–27, 2022, Timișoara, Romania
23. "Flavonoid-based hybrid materials as metallodrugs in disease administration"
 S. Matsia, A. Hatzidimitriou, A. Salifoglou
Invited Lecture
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
 May 26–27, 2022, Timișoara, Romania
24. "3D bioprinting: Manufacture of cell loaded hydrogel scaffolds"
 V. Karakosta, K. Rogkotis, S. Matsia, A. Salifoglou
Invited Lecture

Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology

Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 26–27, 2022, Timișoara, Romania

25. "The structural speciation of binary titanium systems with physiological substrates in aqueous media. Expectations at the biological level."
A. Salifoglou
Invited Lecture
Romanian Academy of Sciences
Institutul de Chimie Fizica "Ilie G. Murgulescu"
May 25, 2022, Bucharest, Romania
26. "The chemistry of Cd(II) metallotoxin with physiological substrates. Effects on biotoxicity and structure-activity correlations."
A. Salifoglou
Invited Lecture
University of Bucharest
Department of Chemistry
May 24, 2022, Bucharest, Romania
27. "Vanadium in Cancer Therapeutics"
Invited Lecture
A. Salifoglou
1st Panhellenic Workshop on Inorganic Chemistry (GRIC-2021)
University of Patras
November 19-21, 2021, Patras, Greece
28. "Insulin Mimetic Technology through Metal-Induced Cell Differentiation in Diabetes mellitus II"
Invited Lecture
A. Salifoglou
33. Ulusal Kimya Kongresi
Tekirdağ Namık Kemal Üniversitesi
October 7-9, 2021, Tekirdağ, Turkey
29. "Vanadium Chemistry in Cancer Therapeutics"
Invited Lecture
A. Salifoglou
VIII. Ulusal Anorganik Kimya Kongresi
Tekirdağ Namık Kemal Üniversitesi
September 2-5, 2021, Tekirdağ, Turkey
30. "Metal-induced biomimesis in metabolically relevant processes"
A. Salifoglou, O. Tsave
Plenary Lecture
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology

Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 20–21, 2021, Timișoara, Romania

31. "Properties and physicochemical characterization of biodegradable 3D printed scaffolds"
Invited Lecture
K. Vlachaki, S. Matsia, K. Rogkotis, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 20–21 2021, Timișoara, Romania
32. "Flavonoid-based organic and metal-organic materials as antioxidant potential agents in metabolic syndromes"
Invited Lecture
S. Matsia, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 20–21 2021, Timișoara, Romania
33. "Biologically active antitumor novel vanadoform containing peroxido and betaine moieties"
Invited Lecture
E. Kioseoglou, S. Matsia, A. Hatzidimitriou, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 20–21 2021, Timișoara, Romania
34. "Structural speciation in binary-ternary metal ion-aromatic chelator systems mirror tissue-specific in vitro cytotoxic selectivity"
Invited Lecture
A. Salifoglou, O. Tsave
Athens Conference on Advances in Chemistry (ACAC 2020-Online)
March 10–14, 2021, Athens, Greece
35. "The advent of metal-induced biomimesis in metabolism-related (patho)physiologies"
Invited Lecture
O. Tsave, A. Salifoglou
Athens Conference on Advances in Chemistry (ACAC 2020-Online)
March 10–14, 2021, Athens, Greece
36. "Metal-induced adipogenesis in Diabetes mellitus type II"
Keynote Lecture

13th Cyprus-Greece Chemistry Conference
University of Cyprus
October 31st 2019 – November 3rd 2019, Nicosia, Cyprus

37. “Insulin mimetic metal-induced cellular events in metabolic pathologies. The case of Diabetes mellitus II.”
Invited Lecture
19th International Conference on Biological Inorganic Chemistry
Congress Centre, Kursaal Interlaken
August 11-16, 2019, Interlaken, Switzerland
38. “Vanadium in cancer cell demise. The Present and Future in Cancer Therapeutics”
Invited Lecture
7th National Inorganic Chemistry Congress, with International Participation
Faculty of Arts and Sciences, Department of Chemistry
Hittite University, Corum Turkey
June 19-22, 2019, Corum, Turkey
39. “Biotechnological approaches in sustainable food products. From antioxidants to smart packaging.”
Invited Lecture
Graduate School on Life Sciences
Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” – Timișoara
May 24, 2019, Timișoara, Romania
40. “Flavonoid nanotechnology in the protection of human physiology”
Plenary Lecture
The 2nd International Conference on Life Sciences
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” – Timișoara
May 23-24, 2019, Timișoara, Romania
41. “Alternative approaches to fighting insulin resistance through vanadium-specific cell differentiation.”
Invited Lecture
Romanian Academy – Timisoara Branch
Institute of Chemistry Timisoara of the Romanian Academy
May 22, 2019, Timisoara, Romania
42. “Structure specificity in vanadium-induced adipogenesis. A synthetic and molecular biological approach toward insulin-resistance.”
Invited Lecture
Research Institute of the West University of Timisoara
West University of Timisoara
May 22, 2019, Timisoara, Romania

43. “Dwarfs and giants shaping engineering approaches to modern technology”
Invited Lecture
Department of Chemical Engineering
Aristotle University of Thessaloniki
December 6, 2018, Thessaloniki, Greece
44. “Biological activity correlations with structural speciation of the environmental cadmium toxin”
A. Salifoglou, O. Tsave
Plenary Lecture
New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection” 11th Edition
Romanian Academy – Timisoara Branch
Institute of Chemistry Timisoara of the Romanian Academy
Politehnica University of Timisoara
Faculty of Industrial Chemistry and Environmental Engineering
June 28-29, 2018, Timișoara, Romania
45. “Zinc-Schiff base chemistry meets structure-specific biology of insulin mimesis in diabetes mellitus II”
Plenary Lecture
New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection” 11th Edition
Romanian Academy – Timisoara Branch
Institute of Chemistry Timisoara of the Romanian Academy
Politehnica University of Timisoara
Faculty of Industrial Chemistry and Environmental Engineering
June 28-29, 2018, Timișoara, Romania
46. “Structure-specificity in zinc-induced adipogenesis. The importance of organic substrates in the formulation of biological activity”
Invited Lecture
Romanian Academy
Institutul de Chimie Fizica “Ilie G. Murgulescu”
June 27, 2018, Bucharest, Romania
47. “Chromium adipogenicity and insulin mimesis in Diabetes mellitus II”
Invited Lecture
University of Bucharest
Department of Chemistry
June 26, 2018, Bucharest, Romania
48. “Utility of bioactive Zn(II) complexes to decipher structure-specific zinc adipogenesis in Diabetes mellitus II”
Plenary Lecture
INTELBIOMED Conference
Institutul Național de Cercetare-Dezvoltare în Domeniul Patologiei și Științelor Biomedicale „Victor Babeș”

University of Bucharest
Department of Molecular and Cellular Medicine
June 25, 2018, Bucharest, Romania

49. “Structure specificity of organic substrate design, bestowing adipogenic activity on insulin mimetic metal ions”
Invited Lecture
West University of Timisoara
May 25, 2018, Timisoara, Romania
50. “The advent of (nano)biotechnology in sciences and Engineering”
Plenary Lecture
The 1st International Conference on Life Sciences
Section: Food Chemistry, Engineering & Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” – Timișoara
May 24-25, 2018, Timișoara, Romania
51. “The advent of vanadium-peroxide species as potential anticarcinogenic agents.”
Plenary Lecture
INTELBIOMED Conference
Institutul Național de Cercetare-Dezvoltare în Domeniul Patologiei și Științelor Biomedicale „Victor Babeș”
University of Bucharest
Department of Molecular and Cellular Medicine
September 21, 2017, Bucharest, Romania
52. “Structure-specific zinc adipogenesis. An in vitro structure-bioactivity correlation study in Diabetes mellitus.”
Invited Lecture
University of Bucharest
Department of Chemistry
September 20, 2017, Bucharest, Romania
53. “A systematic study on chromium in adipogenesis. A conjectured metal ion in Diabetes mellitus.”
Invited Lecture
Romanian Academy
Institutul de Chimie Fizica “Ilie G. Murgulescu”
September 19, 2017, Bucharest, Romania
54. “Titanium and its Biomimetic Reactivity Toward Metabolic Pathophysiology”
Plenary Lecture
New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection” 10th Edition
Romanian Academy – Timisoara Branch
Institute of Chemistry Timisoara of the Romanian Academy
Politehnica University of Timisoara

Faculty of Industrial Chemistry and Environmental Engineering
June 08-09, 2017, Timișoara, Romania

55. “Cadmium as an environmental metallotoxin influencing dietary resources. Structure-specific correlations at the molecular level”
Session Lecture
The 7th International Conference on Food Chemistry, Engineering & Technology Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” – Timișoara
Faculty of Food Processing Technology
May 25-26, 2017, Timișoara, Romania
56. “Metal-induced adipogenesis in Diabetes mellitus”
Invited Lecture
Research Institute of the West University of Timisoara
West University of Timisoara
March 29, 2017, Timisoara, Romania
57. “Etiopathogenesis and molecular biomarkers in diagnosis and neuroprotection in Alzheimer’s disease”
Session Lecture
10th Panhellenic Conference on Alzheimer’s Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece
58. “Structural diversity in the development of binary-ternary Pb(II)-dicarboxylic acid lattices. Correlation with photoactivity.”
Session Lecture
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
59. “Structural speciation and structure-property correlations in binary-ternary coordination polymers Pb(II) with di-/tricarboxylic acids”
Plenary Lecture
International Conference of Physical Chemistry Romphyschem 16
Romanian Academy of Sciences
September 21-24, 2016, Galati, Romania
60. “Metal Specific Insulin Mimesis in Adipogenesis. A Molecular Approach.”
Session Lecture
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary
61. “A bioinorganic approach to chromium adipogenesis. synthetic and molecular biological insight toward diabetes mellitus ii”
Invited Lecture
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation

- June 9-10, 2016, Timisoara, Romania
62. “Chromium as an insulin enhancer with emphasis in adipogenesis.”
Invited Lecture
Research Institute of the West University of Timisoara
West University of Timisoara
March 31, 2016, Timisoara, Romania
63. “The advent of biological insight into metallotoxin induced oxidative stress in Alzheimer's neurodegeneration”
Invited Lecture
University of Pitesti
Faculty of Sciences
September 17, 2015, Pitesti, Romania
64. “Probing the diverse lattice-spectrochemical correlation of binary and ternary systems of Pb(II) with (hydroxy)carboxylic acids”
Invited Lecture
University of Bucharest
Department of Chemistry
September 15, 2015, Romania
65. “Synthetic approaches to understanding oxidative stress contributions from metallotoxins to neurodegenerative processes.”
Invited Lecture
Romanian Academy
Institutul de Chimie Fizica “Ilie G. Murgulescu”
September 14, 2015, Romania
66. “Mercury: An environmental metallotoxin from lignite industry in research and development of remediation technologies”
Invited Lecture
“Advanced Materials for Mercury Removal”
Aristotle University of Thessaloniki
June 30, 2015, Thessaloniki, Greece
67. “Vanadium metallodrugs in cancer therapeutics. A molecular approach”
Invited Lecture
International Symposium On Metal Complexes (ISMEC2015)
University of Wroclaw
June 24-28, 2015, Wrocław, Poland
68. “Zinc metallobiology in diabetes mellitus II. An interdisciplinary approach”
Plenary Lecture
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania

69. “Vanadium in adipocyte cell differentiation. Biotechnological advances in physiology and disease”
Plenary Lecture
The 6th International Conference on Food Chemistry, Engineering & Technology
 Banat’s University of Agricultural Sciences and Veterinary Medicine
 “King Michael I of Romania” from Timisoara
 May 28-29, 2015, Timisoara, Romania
70. “Diagnosis and protection (nano)technologies in Alzheimer’s neurodegeneration”
Invited Lecture
9th Panhellenic Conference on Alzheimer’s Disease & 1st Mediterranean on Neurodegenerative Diseases
 May 14-17, 2015, Thessaloniki, Greece
71. “Nano-flavonoid use against metal-induced neurodegenerative processes in Alzheimer’s disease”
Invited Lecture
 E. Halevas, C.M. Nday, G. Jackson, A. Salifoglou
9th Panhellenic Conference on Alzheimer’s Disease & 1st Mediterranean on Neurodegenerative Diseases
 May 14-17, 2015, Thessaloniki, Greece
72. “The Bioinorganic chemistry of vanadium in the fight against cancer”
Plenary Lecture
12th Greece-Cyprus Chemistry Conference
 May 8-10, 2015, Thessaloniki, Greece
73. “Autophagy in vanadium anticancer metallodrugs.”
Invited Lecture
 Research Institute of the West University of Timisoara
 West University of Timisoara
 March 19, 2015, Timisoara, Romania
74. “The chemistry and mechanistic biology of vanadium as an anticancer agent”
Invited Lecture
12th European Biological Inorganic Chemistry Conference (Eurobic 12)
 University of Zürich
 August 24-28, 2014, Zürich, Switzerland
75. “Structure lattice-dimensionality correlations in novel binary and ternary materials of group 13 elements with benzilic acid and phenanthroline”
Plenary Lecture
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 Romanian Academy of Sciences
 June 5-6, 2014, Timișoara, Romania
76. “The rise and fall of copper as a neurometallotoxin in degeneration”

- Plenary Lecture**
The 5th International Conference on Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine
 "King Michael I of Romania" from Timisoara
 May 29-30, 2014, Timisoara, Romania
77. "New trends in nanotechnology linked to antioxidant power in live organisms and food stuffs"
Plenary Lecture
The 5th International Conference on Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine
 "King Michael I of Romania" from Timisoara
 May 29-30, 2014, Timisoara, Romania
78. "The interplay of ras oncogenes and immune suppressor genes in colorectal cancer."
Invited Lecture
 Research Institute of the West University of Timisoara
 West University of Timisoara
 March 14, 2014, Timisoara, Romania
79. "Development of vanadodrugs in cancer therapeutics. An interdisciplinary challenge."
Plenary Lecture
International Conference of Physical Chemistry
Romphyschem 15
 Romanian Academy of Sciences
 September 11-13, 2013, Bucharest, Romania
80. "Vanadodrugs as antitumor agents. The chemistry and in vitro biology of novel vanado-peroxido-betaine species."
Keynote Lecture
International Conference on BioInorganic Chemistry ICBIC 16
 July 22-26, 2013, Grenoble, France
81. "Technological Advancements in the Design of Antitumorigenic Vanadodrugs"
Plenary Lecture
13th Edition of Academic Days Timisoara Chemistry Symposium- New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 June 13-14, 2013, Timișoara, Romania
82. "The Chemistry and Biology of Engineering Anticancer Metallodrugs"
Plenary Lecture
5th International Congress and the 31st Annual Scientific Session of the Romanian Society for Cell Biology
 June 5-9, 2013, Timișoara, Romania

83. “Molecular approaches to the development of diagnostic technology in Alzheimer’s disease”
Plenary Lecture
The 4th International Conference on Food Chemistry, Engineering & Technology
Banat University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” from Timisoara
 May 30-31, 2013, Timișoara, Romania
84. “Design of Lead(II) metal organic framework materials with distinct architecture and chemical reactivity”
Invited Lecture
National Institute of Research and Development for Electrochemistry and Condensed Matter (INCEMC)
 May 28, 2013, Timisoara, Romania
85. “Developing metallodrugs in cancer therapy. Design, synthesis and biological studies of vanadodrugs.”
Invited Lecture
 Research Institute of the West University of Timisoara
 West University of Timisoara
 March 21, 2013, Timisoara, Romania
86. “Metal-induced oxidative damage in the neurodegeneration process of Alzheimer’s disease. Molecules of natural origin in the neuroprotection and development of diagnostic biomarkers.”
Invited Lecture
8^o Panhellenic Conference of Alzheimer’s Disease
 February 28-March 3, 2013, Thessaloniki, Greece
87. “Investigation of the oxidative stress of natural copper species in Alzheimer’s disease. Molecular interactions and neuroprotection.”
Invited Lecture
 Tsave O., Salifoglou A.
8^o Panhellenic Conference of Alzheimer’s Disease
 February 28-March 3, 2013, Thessaloniki, Greece
88. “Lead(II) as a template for the design, assembly, and lattice architecture of binary and ternary metal organic framework compounds of variable dimensionality and chemical reactivity”
Plenary Lecture
New Trends and Strategies in the Chemistry of Advanced Materials
 November 8-9, 2012, Timisoara, Romania
89. “Molecular Approaches to Insulin Mimetic Vanadium Drugs”
Plenary Lecture
XXXII Romanian Chemistry Conference
 October 3-5, 2012, Calimanesti-Caciulata, Valcea, Romania

90. “The diverse bioinorganic chemistry in the aqueous structural speciation of ternary systems of V(V) with amino acids/betaines and hydrogen peroxide”
Keynote Lecture
European Biological Inorganic Chemistry 11 (EUROBIC 11) Conference
September 12-16, 2012, Granada, Spain
91. “Building 1D-3D lattice structures through targeted binary and ternary interactions in Pb(II)-carboxylate systems. A rational approach to new architectures”
Invited Lecture
Institute of Physical Chemistry “Ilie G. Murgulescu”
Romanian Academy of Sciences
June 21, 2012, Bucharest, Romania
92. “The chemistry and toxicity of cadmium at the molecular level. A treatise at the chemical and genetic level.”
Invited Lecture
Department of Chemistry
University of Bucharest
June 19, 2012, Bucharest, Romania
93. “The prospect of an innovative M.Sc. Program in Agroalimentary Engineering in Romania. The Foundations of a collaborative venture between Academia and Industry.”
Invited Lecture
Workshop on the “M.Sc. Program Development in the Field of Alimentary Production Engineering and Agricultural Economics.”
May 11, 2012, Timișoara, Romania
94. “The influence of the environmental metallotoxin Al(III) on neuronal cell structures linked to neurodegeneration”
Plenary Lecture
The 3rd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timișoara, Romania
95. “Toward delineation of interactions of biotoxic cadmium with the H-Ras oncogene in carcinogenesis.”
Invited Lecture
Institute of Chemistry of the Romanian Academy of Science
May 8, 2012, Timisoara, Romania
96. “Advancements of Aqueous Binary and Ternary Vanadium Chemistry with Physiological Substrates in Insulin Mimesis”
Invited Lecture
12th Eurasia Conference on Chemical Sciences
April 16-21, 2012, Corfu, Greece.
97. “Growth in a time of crisis at the University. A feeble dream or reality”
Invited Lecture

West University of Timisoara
March 22, 2012, Timisoara, Romania

98. “Investigation of neurodegenerative processes geared toward neuroprotection in Alzheimer’s disease. Potential development of protective technologies.”
Plenary Lecture
Inorganic and Bioinorganic Chemistry
21^o Pan-Hellenic Conference in Chemistry
December 9-12, 2011, Thessaloniki, Greece
99. “Heterogeneity in the etiopathogenesis of neurodegeneration in Alzheimer’s disease”
Invited Lecture
Institute of Neurodegenerative Diseases and Greek Association of Alzheimer's Disease and Related Disorders
Tele-education on issues of Dementia for Health Professionals
November 14, 2011, Thessaloniki, Greece
100. “Making strides in the pathogenesis of neurodegenerative diseases. The case of metallo-induced neurodegenerative death in Alzheimer”
Invited Lecture
Institute of Physical Chemistry “Ilie Murgulescu”
Romanian Academy of Sciences
November 4, 2011, Bucharest, Romania
101. “The extraordinary versatility of the ternary vanadium-peroxo-organic acid chemistry and its biological potential”
Plenary Lecture
New Trends and Strategies in the Chemistry of Advanced Materials
Institute of Chemistry of the Romanian Academy of Science
November 3-4, 2011, Timisoara, Romania
102. “Comprehending fundamental processes in neurodegeneration. From the early stages to Alzheimer’s disease”
Invited Presentation
Greek Association of Alzheimer's Disease and Related Disorders
Electra Palace Hotel
October 12, 2011, Thessaloniki, Greece
103. “Diagnostic challenges in the early stages of dementia in Alzheimer’s disease.”
Invited Lecture
Institute of Neurodegenerative Diseases and Greek Association of Alzheimer's Disease and Related Disorders
Tele-education on issues of Dementia for Health Professionals
September 22, 2011, Thessaloniki, Greece
104. “Aqueous insulin mimetic vanadium chemistry with physiological substrates at the binary and ternary level.”
Invited Lecture

Workshop on “Metal Containing Drugs”
Meeting of the Inorganic Chemistry Committee of the Szeged Branch of the Hungarian Chemical Society.
University of Szeged
August 30-31, 2011, Szeged, Hungary

- 105.** “The influence of biotoxic Al(III) on the function of NMDA and VDCC channels of neuronal hippocampal cells. From neurotoxicity to neuroprotection technologies.”

Plenary Lecture

Timisoara’s Academic Days, XII Edition
Institute of Chemistry of the Romanian Academy of Science
May 26-27, 2011, Timisoara, Romania

- 106.** “The chemistry of vanadium with amino acids and their derivatives. relevance to health and disease”

Plenary Lecture

The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania

- 107.** “From Vision to Innovation. Strategy in a Time of Crisis”

Invited Lecture

Department of Chemistry-Biology-Geography
West University of Timisoara
March 17, 2011, Timisoara, Romania

- 108.** “The influence of biotoxic aluminum on the neurodegenerative action of the A β amyloid peptide. An in vitro approach to the synergy of two toxins involved in Alzheimer’s degeneration”

Plenary Lecture

7th National Conference in Alzheimer’s Disease and Related Disorders
February 16-20, 2011, Thessaloniki, Greece

- 109.** “In Search of Rational Approaches to the Chemistry of Advanced Materials”

Plenary Lecture

New Trends and Strategies in the Chemistry of Advanced Materials
November 4-5, 2010, Timisoara, Romania

- 110.** “From Etiopathogenesis to Diagnosis and Therapy in Alzheimer’s Disease: Research and Merit of Technological Applications”

Invited Lecture

Institute of Neurodegenerative Diseases and Greek Association of Alzheimer’s Disease and Related Disorders
Tele-education on issues of Dementia for Health Professionals
October 11, 2010, Thessaloniki, Greece

- 111.** “The Aqueous Chemistry of Binary and Ternary Co(II)-carboxylate Systems. From Small Molecules to Extended Solid-State Lattices.”

Invited Lecture

National Institute of Research and Development for Electrochemistry and Condensed Matter (INCEMC)

June 1, 2010, Timisoara, Romania

- 112.** “A Structural Speciation Strategy Toward Understanding the Chemistry of Cadmium Molecular Toxicity.”
Invited Lecture
Institute of Chemistry of the Romanian Academy of Science
June 2, 2010, Timisoara, Romania
- 113.** “Iron in Plants. A Structural Speciation Approach to Nature’s Biology”
Plenary Lecture
The 1st International Conference on Food Chemistry, Engineering & Technology
June 3 – 4, 2010, Timișoara, Romania
- 114.** “In search of molecular etiopathological factors in neurodegenerative processes. Metallotoxin effects on NMDA and VDCC channels in hippocampal cells”
Invited Lecture
25th International Conference of Alzheimer’s Disease International (ADI)
March 10-13, 2010, Thessaloniki, Greece.
- 115.** “Structural Speciation and Biological Activity of Binary and Ternary Compounds of Insulin Mimetic Vanadium with physiological Substrates”
Plenary Lecture
7th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2009, Athens, Greece.
- 116.** “The Complex Aqueous Chemistry of Al(III) in Binary Systems Involving Biologically Relevant Substrates. Relevance to Toxicity”
Session Lecture
10th International Symposium on Applied Bioinorganic Chemistry ISABC 10
25 - 28 September, 2009, Debrecen, Hungary.
- 117.** “The Molecular Basis of Metallopharmaceutical Technologies in Diabetes Mellitus II”
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
- 118.** “The Neurobioinorganic Chemistry of Alzheimer’s Disease”
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
- 119.** “Synthetic Investigation and Biological Exploration of insulin Mimetic Vanadium Complexes with Physiological Substrates”
Plenary Lecture
Timisoara’s Academic Days – XI Edition
Chemistry Symposium

Institute of Chemistry of the Romanian Academy of Science
May 28-29, 2009, Timisoara, Romania

- 120.** “Structural Speciation in the Binary System of Cd(II) with Hydroxycarboxylate Substrates”
Plenary Lecture
Food Sciences, Processes and Technologies
New Trends in Food Safety and Processing
Banat’s University of Agricultural Sciences and Veterinary Medicine
Faculty of Food Processing Technology
May 27-29, 2009, Timisoara, Romania
- 121.** “Metal Ions in Subcellular Communication. Influence on Cellular Physiology and Pathology”
Invited Lecture
Romanian Academy of Sciences
Timisoara
April 2, 2009, Timisoara, Romania
- 122.** “Structural Speciation Studies in Binary Aqueous Al(III) Systems of Relevance to Neurodegenerative Disease”
Invited Lecture
The Eighth Keele Meeting on Aluminium
21-25 February, 2009, Trest, Czech Republic
- 123.** “Graduate Programs and Multidisciplinary Fields”
Invited Lecture
Department of Physics
Aristotle University of Thessaloniki
November 26, 2008, Thessaloniki, Greece
- 124.** “Understanding the Interwoven Chemistry and Biology of Risk Factors at the Molecular and Neurocellular Level in Alzheimer’s Disease”
Plenary Lecture
International Conference of Physical Chemistry, ROMPHYSCHEM13 Conference
September 3-8, 2008, Bucharest, Romania
- 125.** “New Ternary and Binary Species in the Structural Speciation of Insulin Mimetic Vanadium(V) in the Presence of the Physiological Citrate and Hydrogen Peroxide”
Invited Lecture
6th International Vanadium Symposium
July 17-19, 2008, Lisbon, Portugal
- 126.** “The Importance of Plant Substrates in Interactions with the Bioessential Metal Ion Co(II) ”
Plenary Lecture
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania

127. “Aqueous Ni(II)-Phosphonate Chemistry of Biological Sciences”
M. Menelaou, M. Dakanali, A. Salifoglou
Invited Lecture
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania
128. “Chromium Hydroxycarboxylate Chemistry of Bioinorganic Significance”
Invited Lecture
Romanian Academy of Sciences
Timisoara
May 13, 2008, Timisoara, Romania
129. “Molecular Aspects of Chromium Toxicity. From Aqueous Solution Chemistry to Synthetic Species”
Invited Lecture
Department of Chemistry, Biology and Geography
West University of Timisoara
March 31, 2008, Timisoara, Romania
130. “The Research Puzzle of the Neurodegenerative Alzheimer’s Disease. Key words colored by Basic Science and Technology”
Invited Lecture
Lyceum
Arsakion School of Thessaloniki
March 18, 2008, Thessaloniki, Greece
131. "Metal Biototoxicity and Oxidative Stress in Neurodegeneration. The Case of Alzheimer's Disease"
Invited Lecture
National Hellenic Research Foundation
Institute of Organic & Pharmaceutical Chemistry
March 11, 2008, Athens, Greece
132. “Advances in Insulin Mimetic Chemistry of Vanadium with Low Molecular Mass Physiological Substrates”
Invited Lecture
2nd European Conference on Chemistry for Life Sciences
September 4-8, 2007, Wrocław, Poland
133. “Delineating the Structural Speciation of Insulin Mimetic Vanadium with Physiological Ligands”
Invited Lecture
FIGIPAS 9 Meeting in Inorganic Chemistry
July 4-7, 2007, Vienna, Austria
134. “Unravelling the structural speciation of aqueous binary Cr(III)-hydroxycarboxylate systems”
Invited Lecture

Second North America-Greece-Cyprus Workshop on Paramagnetic Materials
June 18-21, 2007, Ermoupolis, Syros, Greece

- 135.** “Soluble and Potentially Bioavailable Fe(III) Species in Plants. A Structural Speciation Approach”
Plenary Lecture
Romanian Academy
Timisoara’s Academic Days, Xth Edition
Section Chemistry
May, 24-25, 2007, Timisoara, Romania
- 136.** “Molecular Aspects of Chromium Toxicity. Chemistry of Binary Systems in Relevance to Food and Biosystems”
Plenary Lecture
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania
- 137.** “Structural Speciation of Titanium with Low Molecular Mass Physiological Substrates”
Invited Lecture
Department of Inorganic and Analytical Chemistry
University of Szeged
May 8, 2007, Timisoara, Romania
- 138.** “Metalloneurotoxicity in the Etiopathogenesis of Alzheimer’s Disease”
Plenary Lecture
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus
- 139.** “Metal Ions and Oxidative Stress in Alzheimer’s Neurodegeneration”
Invited Lecture
University Politehnica of Bucharest
Faculty of Applied Chemistry and Materials Science
March 20, 2007, Bucharest, Romania
- 140.** “Development of Aqueous Vanadium Chemistry Targeting Insulin Mimetic Drugs”
Invited Lecture
Department of Chemistry, Biology and Geography
West University of Timisoara
March 8, 2007, Timisoara, Romania
- 141.** “Iron Mobilization and Utilization in the Formation of Dinuclear and Tetranuclear Fe-S Proteins”
Invited Lecture
Department of Chemistry, Biology and Geography
West University of Timisoara
March 7, 2007, Timisoara, Romania

142. "Oxidative and Antioxidant Chemistry in the Development of Technology"
Invited Lecture
Department of Chemical Engineering
Ege University
March 1, 2007, Izmir, Turkey
143. "Neurotoxic Metal Ions and Oxidative Stress in Alzheimer's Disease"
Invited Lecture
"Oxidative Stress and Dementia"
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece
144. "Environmental Chemosensor Technology on Metallotoxins"
Invited Lecture
SEE-ERA.NET Scientific Conference on "Environmental Technologies"
6-8 February, 2007, Pržno, Montenegro
145. "Synthetic and structural studies of aqueous vanadium(IV,V) hydroxycarboxylate compounds"
Invited Lecture
232nd Meeting of the American Chemical Society
The 5th International Symposium on the Chemistry and Biological Chemistry of Vanadium
September 10-14, 2006, San Francisco, California, U.S.A.
146. "Fundamental chemical processes of the etiopathogenesis in Alzheimer's disease from small molecule to large biomolecule participation"
Plenary Lecture
International Conference on Physical Chemistry
Romphyschem-12
and 5th Annual COSENT Meeting
September 6 - 8, 2006, Bucharest - Romania
147. "Aqueous synthetic endeavors in insulin mimetic vanadium chemistry"
Invited Lecture
8th European Biological Inorganic Chemistry Conference
Eurobic 8
July 2-6, 2006, Aveiro, Portugal.
148. "The challenging intrigue of the multifaceted aqueous chemistry of vanadium with hydroxycarboxylic acids"
Invited Lecture
COST Chemistry D21
Final Workshop on "Metalloenzymes and Chemical Biomimetics"
Katholieke Universiteit Leuven
May 25-28, 2006, Leuven, Belgium
149. "Discovering the Connections of the Aqueous Chemistry of Ti(IV) to Cellular Biochemistry. Relevance to Food and Health"
Invited Lecture

New Trends in Food Safety and Food Technology
May 25-26, 2006, Timisoara, Romania

- 150.** “Synthetic Inorganic Chemistry in the exploration of the antioxidant activity of aqueous plant infusions”
Invited Lecture
Romanian National Academy
Institute of Chemistry
May 23, 2006, Timisoara, Romania
- 151.** “The antioxidant line of defence in natural products. Systematic approaches to unravel secrets at the molecular level”
Invited Lecture
Faculty of Applied Chemistry and Materials Science
Politehnica University of Bucharest
April 14-19, 2006, Bucharest, Romania
- 152.** “The Aqueous Chemistry of Titanium with Low Molecular Mass Bio-Substrates. From Predictions to Structural Speciation.”
Invited Lecture
West University of Timisoara
April 6, 2006, Timisoara, Romania
- 153.** “The Role of Metal Ions in the Assembly and Function of Iron-Sulfur Proteins”
Invited Lecture
West University of Timisoara
April 5, 2006, Timisoara, Romania
- 154.** “The two sides of a titanium “coin”. From titanium materials to the structural speciation with physiological substrates”
Invited Lecture
Faculty of Applied Chemistry and Materials Science
Politehnica University of Bucharest
October 23-27, 2005, Bucharest, Romania
- 155.** “Advances in the aqueous chemistry of vanadium with physiological substrates. A step toward understanding vanadium drugs in insulin mimesis”
Invited Lecture
Politehnica University of Bucharest
October 23-27, 2005, Bucharest, Romania
- 156.** “Investigation of the structural speciation of binary and ternary titanium systems in environmental and biologically relevant fluids”
Plenary Lecture
5th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2005, Athens, Greece
- 157.** “Advances in aqueous vanadium synthetic chemistry of insulin mimetic interest”
Invited Lecture
COST D21/009/01 WG Meeting

Insulin mimetic vanadium compounds
October 1-2, 2005, Thessaloniki, Greece

158. "The intricacies and revelations of insulin mimetic vanadium chemistry"
Invited Lecture
Xth International Symposium on Bioinorganic Chemistry
Challenge for a New Generation
September 20-25, 2005, Szklarska Poreba, Poland
159. "Aqueous chemistry advances with variable oxidation state vanadium ions"
Invited Lecture
1st D29/016/04 COST Working Group Meeting on
"Novel sustainable metal catalysed oxidations with H₂O₂ and O₂"
Université Pierre et Marie Curie
July 9-10, 2005, Paris, France
160. "Vanadium metallodrugs in insulin mimesis. synthetic trials and mechanistic details in ternary Vanadium-citrate-hydrogen peroxide systems"
Session Lecture
Symposium on "Metals in Medicine"
8th FIGIPAS Meeting in Inorganic Chemistry
July 6-9, 2005, Athens, Greece
161. "Oxidative Stress in neurodegenerative dementias. From the clinical level of observation to the molecular level of cytochemistry"
Plenary Lecture
SAFE FOOD ALL OVER EUROPE
11th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2005
Banat University of Agricultural and Veterinary Medicine
May 26-27, 2005, Timisoara, Romania
162. "An in depth investigation of the structural speciation in the binary Ti(IV)-citric acid aqueous system. Relevance to food and health"
Invited Lecture
Symposium on "Inorganic Chemistry and Technology and Analytical Chemistry"
Section of Inorganic Chemistry
Timisoara's Academic Days 2005
Politehnika (School of Engineering)
May 26-27, 2005, Timisoara, Romania
163. "Probing the antioxidant activity of natural substances against pro-oxidant metal ions. The case of naturally derived extracts from Mediterranean plants"
Invited Lecture
Faculty of Engineering
Aurel Vlaicu University of Arad
May 24, 2005, Arad, Romania

164. “Oxidative stress in Alzheimer’s disease. The road of a complex process toward neurodegeneration”
Invited Lecture
4th Multidisciplinary Conference on Alzheimer’s Disease and Related Disorders
 March 31-April 2, 2005
 Thessaloniki, Greece
165. “The basic aqueous (bio)chemistry of vanadium in the development of insulin mimetic drugs for Diabetes mellitus type II”
Invited Lecture
2nd Scientific Conference of the Chemical Process Engineering Research Institute
 December 15-16, 2004
 Thermi, Thessaloniki, Greece
166. “The advent of aqueous vanadium-hydroxycarboxylate synthetic chemistry in insulin mimesis”
Invited Lecture
2nd Central European Conference
“Chemistry towards Biology”
 September 25-30, 2004, Seggau, Austria
167. “Synthetic and mechanistic aspects of aqueous vanadium(IV,V) chemistry in the presence of physiological ligands”
Invited Lecture
3rd D21/009/01 COST Working Group Meeting on Insulin-Mimetic Vanadium Compounds
 6-7 September, 2004
 Department of Inorganic and Analytical Chemistry, University of Szeged, Szeged, Hungary
168. “The Aqueous Chemistry of Biologically Relevant Vanadium-Hydroxycarboxylate Systems”
Invited Lecture
4th International Symposium on the Chemistry and Biological Chemistry of Vanadium
 3-5 September, 2004, Szeged, Hungary
169. “Insulin Mimetic Vanadium in Diabetes Mellitus II. Biological Revelations in a Biological Milieu”
Invited Lecture
4th International Conference of the Chemical Societies of the South-East European Countries.
"Chemical Sciences in Changing Times: Visions, Challenges and Solutions"
 July 18-21, 2004, Belgrade, Yugoslavia
170. “Natural Antioxidants against Iron-Dependent Pro-Oxidant Processes in Humans”
Plenary Lecture
10th Symposium on “Agroalimentary Processes and Technologies” of the Timisoara’s Academic Days 2004
 Banat University of Agricultural and Veterinary Medicine
 May 20-21, 2004, Timisoara, Romania

171. "Looking into chemical aspects of oxidative stress as an etiopathogenic factor in Alzheimer's disease"
Invited Lecture
 Medical and Pharmaceutical University
 May 21, 2004, Timisoara, Romania
172. "Oxidative Theory in the Neurodegenerative Disease of Alzheimer's"
Plenary Lecture
10th Aristotle University Medical School Symposium on Alzheimer Disease
 March 25, 2004, Thessaloniki, Greece
173. "Chemical Pathways in the Aqueous Chemistry of Insulin-mimetic Vanadium in the Presence of physiological Ligands: A Mechanistic View"
Invited Lecture
Inorganic Reaction Mechanisms Meeting 2003
Royal Society of London
Dalton Division
 January 8-10, 2004, Athens, Greece
174. "Vanadium ions in pursuit of insulin mimetic action in humans"
Plenary Lecture
4th International Symposium on Trace Elements in Human: New Perspectives
 October 9-11, 2003, Athens, Greece
175. "The oxidative theory in Alzheimer's disease. Employment of physicochemical techniques in the delineation of an intricate biological problem."
Plenary lecture
11th Physical Chemistry Conference with International Participation
ROMPHYSCHEM 11
 September 2-5, 2003, Timișoara, Romania.
176. "Vanadium aqueous chemistry in insulin mimesis. From synthesis to mechanistic insight of vanadium ternary interactions with physiological ligands."
Conference Lecture
11th Physical Chemistry Conference with International Participation
ROMPHYSCHEM 11
 September 2-5, 2003, Timișoara, Romania.
177. "Chemical approaches to a biomedical problem in a human dimension. The oxidative theory and the riddle of Alzheimer's disease"
13th Alzheimer Europe Conference and 3rd Hellenic National Alzheimer Disease and Related Disorders Conference
 June 12-15, 2003, Thessaloniki, Greece.
178. "Aqueous vanadium chemistry and insulin mimesis. From the synthetic chemistry to the biological activity of vanadium."
 Universitatea "Politehnica" Timișoara
 Facultatea de Chimie Industrială și Ingineria Mediului
 Institutul de Chimie al Academiei

May 23, 2003, Timișoara, Romania

- 179.** “Seeking quality of life out of vanadium chemistry”
Universitatea de Științe Agricole și Medicină Veterinară a Banatului
Facultatea de Tehnologia Produselor Agroalimentare
*9th Symposium on “Agroalimentary Processes and Technologies” of the
Timisoara’s Academic Days 2003*
May 22, 2003, Timișoara, Romania
- 180.** “Vanadium-peroxo-carboxylate chemistry in aqueous solutions”
Department of Inorganic and Analytical Chemistry
University of Szeged
April 23, 2003, Szeged, Hungary
- 181.** “Vanadium insulin mimetic chemistry. The beautiful chemistry and the riddle
of insulin mimesis”
*5th Conference of the Department of Chemistry
25 Year Anniversary of the Department of Chemistry of the University of
Ioannina (1977-1982)*
University of Ioannina
Department of Chemistry
October 22, 2002, Ioannina, Greece
- 182.** “The aqueous aluminum chemistry with physiological substrates and its neurotoxic
implications in a wide spectrum of organisms including humans.”
West University of Timisoara
Faculty of Chemistry, Biology and Geography
October 3, 2002, Timisoara, Romania.
- 183.** “Aluminum toxicity in Alzheimer’s disease. From the chemistry to the biology of
neurotoxicity.”
Banat University of Agricultural Science and Veterinary Medicine
Department of Horticulture and Agriculture
October 2, 2002, Timisoara, Romania.
- 184.** “Biomimetic approaches to aqueous insulin mimetic vanadium chemistry.
From the reaction flask to the cell culture.”
Romanian Academy Institute of Chemistry.
October 1, 2002, Timisoara, Romania.
- 185.** “Studies of structural speciation of aluminium with physiological ligands in aqueous
media. From the acidification of the environment and the habitual dietary exposure to
aluminium to the potential linkage to neurotoxic and degenerative diseases.”
Banat University of Agricultural Science and Veterinary Medicine
Department of Food Processing Technology
*8th Symposium on “Agroalimentary Processes and Technologies” of the
Academic Days in Timisoara 2002*
September 30, 2002, Timisoara, Romania.
- 186.** “The rise of new species in the pH-dependent chemistry of aqueous vanadium

- tricarboxylate systems.”
Joint D21 and D12 Working Group Meeting COST on Insulin-Mimetic Vanadium Compounds
 May 31-June 2, 2002, Lisbon, Portugal.
- 187.** “Complex communications in aqueous vanadium speciation”
 Department of Inorganic and Analytical Chemistry,
 University of Szeged
 March 19, 2002, Szeged, Hungary.
- 188.** “Metal Induced Oxidative Processes in Alzheimer’s Disease.”
2nd Panhellenic Congress of Alzheimer’s Disease
 January 17-20, 2002, Thessaloniki, Greece.
- 189.** “Unraveling the structural speciation of neurotoxic aluminum in aqueous solutions. A shy step toward solving an intricate riddle in Alzheimer’s disease.”
 Department of Chemistry,
 Aristotle University of Thessaloniki
 November 22, 2001, Thessaloniki, Greece
- 190.** “Vanadium carboxylate chemistry as a tool of vanadium-citrate aqueous speciation. Potential relevance to the insulin mimetic activity of vanadium”
 Department of Chemical Engineering
 Faculty of Engineering
 Aristotle University of Thessaloniki
 November 21, 2001, Thessaloniki, Greece
- 191.** “Fundamental aspects of aluminum carboxylate chemistry in relation to biotoxicity of that element in humans”
3rd International Symposium on Trace Elements in Human: New Perspectives
 October 4-6, 2001, Athens, Greece
- 192.** “Carboxylic acids in vanadium aqueous chemistry. The perspective of solution and solid state properties of species in biologically relevant vanadium activity.”
Joint D21 and D12 Working Group Meeting COST on Insulin-Mimetic Vanadium Compounds
 September 14-16, 2001, Hamburg, Germany.
- 193.** “Advances in the aqueous chemistry of biotoxic aluminum, in relevance to neurodegenerative diseases”
6th FIGIPS Meeting in Inorganic Chemistry
 July 16-20, 2001, Barcelona, Spain.
- 194.** “Aqueous aluminum-carboxylate chemistry. Prospects of its potential relevance to Alzheimer’s disease”
7th Symposium on “Agroalimentary Processes and Technologies” of the Timisoara’s Academic Days 2001
 Banat’s University of Agricultural Sciences and Veterinary Medicine.
 Faculty of Agrofood Technologies
 May 24-25, 2001, Timisoara, Romania

- 195.** “Synthetic approaches to the aluminum-carboxylate aqueous chemistry. Relevance to neurodegenerative diseases”
Department of Chemistry
University of Szeged
February 8, 2001, Szeged, Hungary
- 196.** “Synthetic transformations of dimeric vanadium complexes with carboxylic acids in aqueous solutions.”
2nd Working Group Meeting COST D8/0022/99 on Synthesis, Structure, Physical Properties, Solution Speciation and Biological Studies of Potentially Insulin-Mimetic Vanadium Compounds
September 30-October 1, 2000, Padova, Italy.
- 197.** “Synthetic aluminum-citrate complexes and their possible relevance to Alzheimer's disease.”
Session Lecture
First International Conference on METALS IN THE BRAIN From Neurochemistry to neurodegeneration
University of Padova
September 20-23, 2000, Padova, Italy
- 198.** “The aqueous chemistry of aluminum in relation to its biotoxic involvement in the neurodegeneration of Alzheimer's disease.”
5th International Conference on Environmental Pollution
August 28- September 1, 2000, Thessaloniki, Greece.
- 199.** “Vanadium carboxylate chemistry and its biological relevance to insulinomimesis.”
Department of Chemistry
University of Bergen
August 3, 2000, Bergen, Norway.
- 200.** “The aqueous chemistry of aluminum in relation to its biotoxic involvement in the neurodegeneration of Alzheimer's disease.”
Session Lecture
2nd International Conference of the Chemical Societies of the South-East European Countries. "Chemical Sciences and Industry"
June 1-4, 2000, Halkidiki, Greece.
- 201.** “Oxidation theory in Alzheimer's disease.”
Session Lecture
First Panhellenic Conference on Alzheimer's Disease
January 13-16, 2000, Thessaloniki, Greece
- 202.** “Aqueous vanadium-tricarboxylate complexes and their potential use as insulin mimetic drugs.”
Department of Chemistry.
University of Szeged,
December 3, 1999, Szeged, Hungary.

- 203.** "Bioinorganic synthetic chemistry in pursuit of the biological evolution of metalloenzymic systems containing Fe-S and Fe-O complexes."
Department of Chemistry
Charles University
November 9, 1999, Prague, The Czech Republic.
- 204.** "The aqueous chemistry of vanadium with tricarboxylic and dicarboxylic acids in biologically relevant media."
Department of Chemistry
Charles University
November 8, 1999, Prague, The Czech Republic.
- 205.** "Carboxylic acids in vanadium chemistry of aqueous solutions."
The Citrate Tale and its Biological Relevance.
Session Lecture
5th FGIPS Meeting in Inorganic Chemistry
October 27-31, 1999, Toulouse, France.
- 206.** "Vanadium citrate interactions in aqueous solutions."
COST D8 Meeting on Insulin-Mimetic Vanadium Compounds
37th IUPAC Congress and 27th GDCh General Meeting
August 14-19, 1999, Berlin, Germany.
- 207.** "Aqueous vanadium complexes with carboxylic acids and their potential relevance to biological systems."
COST D8 and ESF WORKSHOP on Biological and Medicinal Aspects of Metal Ion Speciation.
August 22-25, Attila Jozsef University, Szeged, Hungary.
- 208.** "Basic scientific and biotechnological advances in the field of methanotrophy and one of its fundamental metalloenzyme systems, Methane Monooxygenase (MMO)."
March 14, 1995, Foundation for Research and Technology Hellas (FO.R.T.H.), Heraklion, Crete, Greece.
- 209.** "Dinuclear centers in Chemistry and Biology that do not contain the heme group. The attainment of a common research goal with separate but converging methods of approach."
March 17, 1995, University of Crete, Heraklion, Crete, Greece.
- 210.** "Binuclear iron centers in bacterial enzymic systems. Inorganic and biochemical approaches to unraveling inter-protein symbiotic relationships."
January 15, 1992, Union Carbide Corporation, Bound Brook, New Jersey, U.S.A.
- 211.** "Binuclear iron centers in metalloproteins. Synthetic inorganic models and naturally occurring metallosites in the biological arena of electron transfer and catalysis."
December 4, 1992, The Procter & Gamble Company, Cincinnati, Ohio, U.S.A.
- 212.** "Unraveling the secrets of bacterial methane monooxygenase, a marvel of nature's bioengineering machinery."

November 13, 1992, Biotransplant Inc., Cambridge, Massachusetts.

213. "Synthetic approaches to the Fe/M/S center of the nitrogenase enzymic system."
February 1, 1990, Case Western Reserve University, Cleveland, Ohio, U.S.A.

214. "Synthetic inorganic clusters as models for the active site of the
nitrogenase enzyme."
January 22, 1990, Boston University, Boston, Massachusetts, U.S.A.

Participation in International and National Meeting Exhibitions
Exhibits Presented and Awarded in International and National Meetings

1. Biostimulant extraction and analytical characterization of marine organism residual products
S. Matsia, M. Maroulis, M. Perikli, O. C. Parvulescu, V.A. Ion, A.-K. Løes, J. Cabell, A. Salifoglou
The 4th International Congress on “Green Extraction of Natural Products” (GENP2022)
October 27 – 28, 2022, Poreč, Croatia
2. (Nano)biopolymers and hydrogels enriched with metal-organic hybrid materials for production of 3D tissue scaffolds filament
S. Matsia, K. Rogkotis, A. Salifoglou
Nanotechnology 2021
International Conferences, Organic Electronics & Nanomedicine
July 5 – 9, 2021, Thessaloniki, Greece
Supported by the Research Committee of Aristotle University of Thessaloniki
3. Whole Genome Microarray Analysis of Wistar Rats Real-Life Exposure to PM2.5 and PM1 Ambient Particles and Correlation to Specific Water-Soluble Metals
I. Frydas, M. Kermenidou, O. Tsave, A. Salifoglou, D. Sarigiannis
2020 Virtual AIChE Annual Meeting
November 16-20, 2020 | Virtual
4. Metal-enriched (nano)biopolymers for filament construction in 3D-printing bioapplications
S. Matsia, K. Rogotis, A. Salifoglou
Nanotechnology 2019
International Conferences, Organic Electronics & Nanomedicine
June 29 – July 6, 2019, Thessaloniki, Greece
Supported by the Research Committee of Aristotle University of Thessaloniki
5. Portable filtering and water sterilization device using UV-C irradiation - Aqua Sil.Ca
Digital Communication & Marketing Award
S. Matsia, C. Karagiannis, T. Mavrommatis, A. Pritsa, A. Rakitsiotis
Junior Achievement Greece Competition
5th Pan-Hellenic Innovation and Entrepreneurship Student Competition "JA Start Up 2019"
May 30, 2019, Athens, Greece
6. Prototype filtration and UV water sterilization device - Aqua Sil.Ca
Second Place Winner
S. Matsia, C. Karagiannis, T. Mavrommatis, A. Pritsa, A. Rakitsiotis
Startup Competition “Invent For The Planet – IFTP”
Organized by Texas AM University
February 15-17, 2019, Thessaloniki, Greece

Participation in International and National Meetings

Presentations in Institutions

Publications in Symposia Proceedings

Papers Presented and Published in the Archives of International and National Meetings

1. Advancements in metallodrugs for metabolic disorders. The case of potential titanodrugs.
A. Salifoglou
1st Aristotle Conference on Chemistry. Advances and Challenges in Chemistry.
November 12-15, 2023, Thessaloniki, Greece
2. Vanadium in cell differentiation linked to metabolic syndromes
A. Salifoglou
2nd Panhellenic Workshop on Inorganic Chemistry
September 28-30, 2023, Athens, Greece
3. In Vitro evaluation of efficacy of cornelian cherry extract against neurodegeneration
G. Lazopoulos, S. Matsia, A. Loukri, A. Kyriakoudi, I. Mourtzinis, A. Salifoglou
International Conference on Polyphenols – ICP 2023
July 3–6, 2023, Nantes, France
4. Cr(III) flavonoid chemical reactivity reflects into antioxidant activity in Diabetes
S. Matsia, O. Tsave, A. Salifoglou
16th International Symposia on Applied Bioinorganic Chemistry – ISABC 16
June 11–14, 2023, Ioannina, Greece
5. Design and synthesis of polymeric microparticles for the encapsulation of pharmaceuticals
S. Matsia, C. Ritzoulis, N. Boukos, E. Sakellis, I. Kioumis, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences
May 25–26, 2023, Timișoara, Romania
6. Antimicrobial activity in the solid state and solution of blue marine resources
P. Kalisperati, S. Matsia, M. Maroulis, M. Perikli, O.C. Parvulescu, V.A. Ion, A.-K. Løes, J. Cabell, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences
May 25–26, 2023, Timișoara, Romania
7. In-vitro studies of neuroprotective properties of oleuropein
G. Lazopoulos, M. Maroulis, S. Matsia, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences
May 25–26, 2023, Timișoara, Romania

8. In-vitro evaluation of bioactive profile of *Cornus mas* L. extract
G. Lazopoulos, S. Matsia, A. Loukri, A. Kyriakoudi, I. Mourtzinou, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences
May 25–26, 2023, Timișoara, Romania

9. Development of allantoin-based hydrogels for chronic wound healing and cell regeneration
E. Bougioukli, S. Matsia, C. Ritzoulis, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences
May 25–26, 2023, Timișoara, Romania

10. Optimization of the extraction of bioactives from cornelian cherry (*Cornus mas* L.) fruit, using β -cyclodextrin, and the investigation of their biological profile
A. Loukri, A. Kyriakoudi, G. Lazopoulos, S. Matsia, A. Salifoglou, I. Mourtzinou
Xth International Session of Young Scientific Staff “Food Science Development. Sustainable Future”
May 11-12, 2023, Warsaw, Poland

11. The biological “impact” of oleuropein in in vitro cultures of neuronal cells
Olga Tsave, Georgios Lazopoulos, Athanasios Salifoglou
13th Panhellenic Conference on Alzheimer’s disease & 5th Mediterranean conference on Neurodegenerative Diseases
February 9–12, 2023, Thessaloniki, Greece

12. Isolation and purification of oleuropein toward nanotechnology of retardation and therapeutics in neurodegeneration
M. Maroulis, S. Matsia, A. Salifoglou
13th Panhellenic Conference on Alzheimer’s disease & 5th Mediterranean conference on Neurodegenerative Diseases
February 9–12, 2023, Thessaloniki, Greece

13. BlueBio mass valorization through analytical techniques for the quest of biostimulants in plant growth
S. Matsia, M. Maroulis, M. Perikli, O.C. Parvulescu, V.A. Ion, A.-K. Løes, J. Cabell, A. Salifoglou
9th ICGC, International Conference on Green Chemistry
September 5-9, 2022, Athens, Greece

14. Advanced Vanadium-Peroxido Materials in Sustainable Catalytic Systems
E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
3rd Edition International Workshop Advanced Inorganic Materials 2022
June 23–24, 2022, Bari, Italy

15. Polymeric microparticle synthesis as advanced materials in Chronic Obstructive Disease therapeutics
S. Matsia, I. Kioumis, C. Ritzoulis, A. Salifoglou

3rd Edition International Workshop Advanced Inorganic Materials 2022
June 23–24, 2022, Bari, Italy

- 16.** Hybrid Vanadium metallodrugs in Cancer Therapeutics
A. Salifoglou
13th National Conference of Chemical Engineering
June 2–4, 2022, Patras, Greece

- 17.** Metal-binding, organic substrate modification of polyphenolic compounds and their role in the physiology of biological structures
S. Matsia, A. Hatzidimitriou, A. Salifoglou
13th National Conference of Chemical Engineering
June 2–4, 2022, Patras, Greece

- 18.** Design, synthesis and physicochemical characterization of binary lanthanide compounds with flavonoids
G. Lazopoulos, S. Matsia, A. Hatzidimitriou, A. Salifoglou
13th National Conference of Chemical Engineering
June 2–4, 2022, Patras, Greece

- 19.** Vanadium peroxido zwitterionic species in anticarcinogenic processes
A. Salifoglou
12th International Vanadium Symposium
University of Cyprus
Vanadium.com
November 3-5, 2021, Limassol, Cyprus

- 20.** Advanced vanadium-peroxido materials in catalytic transformations of industrially important organic substrates
E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
12th International Vanadium Symposium
University of Cyprus
Vanadium.com
November 3-5, 2021, Limassol, Cyprus

- 21.** Hydrogel Compositions for Soft Tissue Bioprinting Applications Using 3D-Printing Devices
K. Rogkotis, S. Matsia, A. Salifoglou
33. Ulusal Kimya Kongresi
Tekirdağ Namık Kemal Üniversitesi
October 7-9, 2021, Tekirdağ, Turkey

- 22.** Advancements in Catalytic Oxidation of Organic Substrates with New Vanadium-Peroxo-Zwitterion Materials
E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
33. Ulusal Kimya Kongresi
Tekirdağ Namık Kemal Üniversitesi
October 7-9, 2021, Tekirdağ, Turkey

- 23.** Ternary Coordination Complexes of Flavonoids and Lanthanide Metal Ions. Design, Synthesis and Characterization
G. Lazopoulos, S. Matsia, A. Hatzidimitriou, A. Salifoglou
33. Ulusal Kimya Kongresi
Tekirdağ Namık Kemal Üniversitesi
October 7-9, 2021, Tekirdağ, Turkey
- 24.** Production of PLA Films and Enhancement with Antimicrobial Agents for Food Packaging
K. Vlachaki, S. Matsia, K. Rogkotis, E. Likotrafti, A. Salifoglou
33. Ulusal Kimya Kongresi
Tekirdağ Namık Kemal Üniversitesi
October 7-9, 2021, Tekirdağ, Turkey
- 25.** Binary-Ternary Cadmium-Aromatic Chelator System Speciation Reflects On Tissue-Specific in Vitro Cytotoxic Selectivity
O. Tsave, A. Salifoglou
VIII. Ulusal Anorganik Kimya Kongresi
Tekirdağ Namık Kemal Üniversitesi
September 2-5, 2021, Tekirdağ, Turkey
- 26.** The Metal-Organic Chemistry of Microfluidics-Chip Fabrication in Micro Flux Biology
K. Rogkotis, S. Matsia, A. Salifoglou
VIII. Ulusal Anorganik Kimya Kongresi
Tekirdağ Namık Kemal Üniversitesi
September 2-5, 2021, Tekirdağ, Turkey
- 27.** Synthesis and Optimization of Binary/Ternary Hybrid Co(II,III) Materials with Amino Alcohols
S. Matsia, A. Salifoglou
VIII. Ulusal Anorganik Kimya Kongresi
Tekirdağ Namık Kemal Üniversitesi
September 2-5, 2021, Tekirdağ, Turkey
- 28.** Vanadium-Peroxido Materials as Potential Metallodrugs in Cancer
E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
VIII. Ulusal Anorganik Kimya Kongresi
Tekirdağ Namık Kemal Üniversitesi
September 2-5, 2021, Tekirdağ, Turkey
- 29.** Structure-bioreactivity correlations in binary thallium-hydroxycarboxylic acid systems
S. Matsia, O. Tsave, A. Salifoglou
1st Electronic Biological Inorganic Chemistry (e-BIC) Meeting
July 20–22, 2021, Online
- 30.** Advanced vanadium-peroxido materials in biological systems
E. Kioseoglou, S. Matsia, A. Hatzidimitriou, A. Salifoglou
1st Electronic Biological Inorganic Chemistry (e-BIC) Meeting
July 20–22, 2021, Online

- 31.** Enriched PLA films with antimicrobial factors for coatings and food packaging
S. Sidiropoulos, S. Matsia, K. Rogkotis, E. Likotrafiti, A. Salifoglou
17th International Conference of Young Scientists on Energy and Natural Sciences Issues
May 24-28, 2021, Kaunas, Lithuania
- 32.** Microfluidics and Lab on chip: Development of micro-chip manufacturing techniques with PDMS and study of micro fluxes
K. Rogkotis, S. Matsia, A. Salifoglou
Athens Conference on Advances in Chemistry (ACAC 2020-Online)
March 10–14, 2021, Athens, Greece
- 33.** Binary-ternary coordination complexes of flavonoids and trivalent metal ions. Design, synthesis and characterization
G. Lazopoulos, S. Matsia, A. Hatzidimitriou, A. Salifoglou
Athens Conference on Advances in Chemistry (ACAC 2020-Online)
March 10–14, 2021, Athens, Greece
- 34.** Polymeric microparticle synthesis of advanced materials in biomedical applications
C. Vasileiou, S. Matsia, I. Kioumis, A. Salifoglou
Athens Conference on Advances in Chemistry (ACAC 2020-Online)
March 10–14, 2021, Athens, Greece
- 35.** Investigation of insulinomimetic action of cobalt compounds with physiological substrates focusing on adipogenesis
C. Chalkiadakis, O. Tsave, S. Matsia, A. Salifoglou
Athens Conference on Advances in Chemistry (ACAC 2020-Online)
March 10–14 2021, Athens, Greece
- 36.** Synthesis, physicochemical characterization and biological properties of vanadium-peroxido-zwitterion materials
E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
Athens Conference on Advances in Chemistry (ACAC 2020-Online)
March 10–14, 2021, Athens, Greece
- 37.** Theoretical and spectrochemical studies of cobalt oligonuclear hybrid materials with amino alcohols
S. Matsia, A. Salifoglou
Athens Conference on Advances in Chemistry (ACAC 2020-Online)
March 10–14, 2021, Athens, Greece
- 38.** Investigation of potential insulin-mimetic activity of cobalt compounds containing physiological substrates with emphasis on adipogenesis
C. Halkiadakis, O. Tsave, S. Matsia, A. Salifoglou
1st Virtual Conference of Young Scientists
“Mineral resources-Environment-Chemical Engineering”
February 26–28, 2021, Kozani, Greece
- 39.** Synthesis of silica nanoparticles and encapsulation of natural products
C. Vasileiou, S. Matsia, A. Salifoglou

1st Virtual Conference of Young Scientists
“Mineral resources-Environment-Chemical Engineering”
February 26–28, 2021, Kozani, Greece

- 40.** Design, synthesis and physicochemical characterization of binary-ternary hybrid materials with flavonoids and trivalent metal ions
G. Lazopoulos, S. Matsia, A. Salifoglou
1st Virtual Conference of Young Scientists
“Mineral resources-Environment-Chemical Engineering”
February 26–28, 2021, Kozani, Greece
- 41.** Hybrid antioxidants from natural products in cell differentiation
S. Matsia, A. Salifoglou
1st Virtual Conference of Young Scientists
“Mineral resources-Environment-Chemical Engineering”
February 26–28, 2021, Kozani, Greece
- 42.** Hydrogel bioprinting applications in 3D-printing devices
K. Rogotis, S. Matsia, A. Salifoglou
1st Virtual Conference of young scientists
“Mineral resources-Environment-Chemical Engineering”
February 26–28, 2021, Kozani, Greece
- 43.** Development of biomimetic technology of titanium complex forms with emphasis on adipogenesis and osteogenesis
O. Tsave, A. Salifoglou
1st Virtual Conference of Young Scientists
“Mineral resources-Environment-Chemical Engineering”
February 26–28, 2021, Kozani, Greece
- 44.** Interactions between vanado-peroxido groups and betaines in complexes with biological activity
E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
1st Virtual Conference of Young Scientists
“Mineral resources-Environment-Chemical Engineering”
February 26–28, 2021, Kozani, Greece
- 45.** Microfluidics and Lab on a Chip: New techniques in micro-chip development from PDMS and microfluidic studies
P. Farmakis, K. Rogotis, S. Matsia, A. Salifoglou
1st Virtual Conference of Young Scientists
“Mineral resources-Environment-Chemical Engineering”
February 26–28, 2021, Kozani, Greece
- 46.** Preparation of polylactic acid films (PLA) and enrichment with antimicrobial agents for food packaging applications
S. Sidiropoulos, S. Matsia, K. Rogotis, E. Likotrafiti, A. Salifoglou
1st Virtual Conference of Young Scientists
“Mineral resources-Environment-Chemical Engineering”
February 26–28, 2021, Kozani, Greece

- 47.** Whole Genome Microarray Analysis of Wistar Rats Real-Life Exposure to PM2.5 and PM1 Ambient Particles and Correlation to Specific Water-Soluble Metals
I. Frydas, M. Kermenidou, O. Tsave, A. Salifoglou, D. Sarigiannis
2020 Virtual AIChE Annual Meeting
2020, USA
- 48.** Development of vanado-pharmaceutical products with anticancer therapy.
E. Kioseoglou, A. Salifoglou
13th Cyprus-Greece Chemistry Conference
University of Cyprus
October 31st 2019 – November 3rd 2019, Nicosia, Cyprus
- 49.** Structural speciation of ternary systems of Co(II,III) with aminoalcohol and magneto-optical properties
S. Matsia, M. Menelaou, A. Hatzidimitriou, V. Tangoulis, A. Salifoglou
13th Cyprus-Greece Chemistry Conference
University of Cyprus
October 31st 2019 – November 3rd 2019, Nicosia, Cyprus
- 50.** Metal-enriched (nano)biopolymers for filament construction in 3D-printing bioapplications
S. Matsia, K. Rogotis, A. Salifoglou
Nanotechnology 2019
International Conferences, Organic Electronics & Nanomedicine
June 29 – July 6, 2019, Thessaloniki, Greece
- 51.** Metal- and Structure-Specific Formulation in Insulin Mimesis Toward Adipogenesis.
O. Tsave, A. Salifoglou
7th National Inorganic Chemistry Congress, with International Participation
Faculty of Arts and Sciences, Department of Chemistry
Hittite University, Corum, Turkey
June 19-22, 2019, Corum, Turkey
- 52.** Study of the pro-oxidant/antioxidant activity of a newly synthesized complex of V(IV) with curcumin.
M. Karagiaouri, G. Katsipis, E. Halevas, T.A. Papadopoulos, A. Hatzidimitriou, I. Sanakis, G. Mitrikas, K. Ypsilantis, G. Litsardakis, A. Salifoglou, A. Pantazaki
Research, a Perspective into Development
Graduate and Undergraduate Conference in Chemistry at Aristotle University of Thessaloniki
November 2-3, 2018, Thessaloniki, Greece.
- 53.** Phagocytosis of Silica Coated Superparamagnetic Iron Oxide Nanoparticles with Thioflavin-T bound to Beta-Amyloid
A.C. Tsolakis, E. Gounari, E. Halevas, G. Koliakos, A. Salifoglou, G. Litsardakis
NALS 2017- Nanomaterials Applied to Life Sciences
December 13-15, 2017, Gijón, Spain

- 54.** “Adipose Tissue as a Biomarker in Data Mining Predictive Models of Metabolic Pathophysiologicals”
Part IV Biosignals and Biomarkers
O. Tsave, I. Kavakiotis, I. Vlahavas, and A. Salifoglou
IFMBE CONFERENCE
International Conference on Biomedical and Health Informatics (ICBHI 2017)
November 18-21, 2017, Thessaloniki, Greece.
- 55.** “Pathway analysis of neurodevelopment toxicity due to prenatal combined exposure to heavy metals and phthalates”
D. A. Sarigiannis, K. Polanska, W. Hanke, A. Salifoglou, A. Gabriel, N. Papaioannou, E. Handakas, S. Karakitsios
Special issue
Abstracts of the 53rd Congress of the European Societies of Toxicology (*EUROTOX 2017*)
Slovak National Theatre
Edited by
Mumtaz Iscan, Helena Kandarova
September 10–13, 2017, Bratislava, Slovakia
- 56.** “Metal-induced adipogenesis technology in the treatment of insulin resistance in Diabetes mellitus”
A. Salifoglou
11th Pan-Hellenic Conference in Chemical Engineering
Chemical Engineering: Lever of Innovation and Development
May 25-27, 2017, Thessaloniki, Greece
- 57.** “Molecular mechanisms in cadmium-induced cytotoxicity and protection factors in the development of biotechnology”
M. Kafantari, O. Tsave, M. Yavropoulou, A. Salifoglou
11th Pan-Hellenic Conference in Chemical Engineering
Chemical Engineering: Lever of Innovation and Development
May 25-27, 2017, Thessaloniki, Greece
- 58.** “The role of boron in the physiology of biological structures”
S. Matsia, O. Tsave, A. Salifoglou
11th Pan-Hellenic Conference in Chemical Engineering
Chemical Engineering: Lever of Innovation and Development
May 25-27, 2017, Thessaloniki, Greece
- 59.** “Development of therapeutic biotechnology in Diabetes mellitus II based on chromium”
O. Tsave, M. Kafantari, A. Salifoglou
11th Pan-Hellenic Conference in Chemical Engineering
Chemical Engineering: Lever of Innovation and Development
May 25-27, 2017, Thessaloniki, Greece
- 60.** “Magnetic fluorescent nanoparticles binding to beta-amyloid: silica coated, thioflavin-T functionalized iron oxide.”
A. Tsolakis, E. Halevas, E. Gounari, G. Koliakos, A. Salifoglou, G. Litsardakis

INTERMAG Europe 20
Bio-Medical Magnetic Therapies II. Session EB.
April 24-28, 2017, Dublin, Ireland

- 61.** “Flavonoids in the development of antioxidant technology in Alzheimer’s disease”
C.M. Nday, E. Halevas, A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece
- 62.** “Endogenous-exogenous metal ion effects on neuronal tissues. In vitro and ex vivo approaches”
O. Tsave, G. Theophilidis, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
- 63.** “Physicochemical and biological study of binary systems of boron with physiological substrates”
S. Matsia, O. Tsave, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
- 64.** “Effects of the nature of organic substrate on metallo-induced lipogenesis”
M. Kafantari, O. Tsave, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
- 65.** “Molecular approaches in the development of metallo-induced lipogenicity in insulin-resistance”
O. Tsave, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
- 66.** “The role of vanadium in the (TGF- β)-induced Epithelial to Mesenchymal Transition (EMT). Synergic action with carboplatin and correlation with metastasis in cancer patients”
S. Petanidis, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
- 67.** “Advanced hybrid binary materials of Bi(III) with enhanced antimicrobial properties”
E. Halevas, C. NDay, D. Eleftheriadou, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
- 68.** “Effects of combined exposure to phthalic esters and heavy metals on the psychokinetic behavior of children”
D.A. Sarigiannis, K. Polanska, W. Hanke, A. Salifoglou, C. Gabriel, N. Papaioannou, E. Handakas, S. Karakitsios
22th Pan-Hellenic Conference on Chemistry

December 2-4, 2016, Thessaloniki, Greece

- 69.** “Mutant K-ras cells release tumor-specific exosomes that create an immunosuppressive phenotype in the lung tumor microenvironment.”
S. Petanidis, K. Domvri, N. Zogas, P. Zarogoulidis, E. Kioseoglou, D. Anestakis, K. Zarogoulidis, A. Salifoglou
2nd Panhellenic Congress on Thoracic and Environmental Diseases
November, 10-13, 2016, Thessaloniki, Greece.
- 70.** “Structure- and metal-dependent induction of lipogenesis. Biochemical and Genetic approaches”
M. Kafantari, O. Tsave, M.P. Yavropoulou, A. Salifoglou
38th Annual Conference
Hellenic Society for Biological Conferences
May 26-28, 2016, Kavala, Greece
- 71.** “Structural Characterization of 3d Metal Complexes Containing an Unconventional Schiff Base Ligand”
C. Cretu, D. Aparaschivei, L. Cseh, R. Tudose, C. Maxim, M. Andruh, A. Salifoglou and O. Costisor
21st International Symposium on Analytical and Environmental Problems
University of Szeged, Department of Inorganic and Analytical Chemistry
September 28, 2015, Szeged, Hungary
- 72.** “Studies of the chemistry of Ln(III)-MOFs with succinic acid”
C. Gabriel, R. Tekidou, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 73.** “Design and development of hybrid vanadodrug anticancer biotechnology”
A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
- 74.** “Development and evaluation of zinc insulin mimetic biotechnology. Correlation with Diabetes mellitus”
O. Tsave, M.P. Yavropoulou, M. Kafantari, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
- 75.** “Heterometallic 3d-4f hybrid lanthanide MOF materials with applications in catalysis and sensors”
C. Gabriel, R. Tekidou, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
- 76.** “Zinc adipogenicity in Diabetes mellitus II”

M. Kafantari, M.P. Yavropoulou, O. Tsave, A. Salifoglou
37th Science Conference of the Greek Society of Biological Sciences
May 21-23, 2015, Volos, Greece

77. “Structure-dependent zinc insulin mimesis in Diabetes mellitus”
O. Tsave, E. Halevas, M.P. Yavropoulou, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
78. “Flavonoid nanoparticles in neuroprotection”
C. M. Nday, E. Halevas, G. Jackson, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
79. “Reduction of autophagy through vanadium and TRAIL-induced apoptosis in cancer cells.”
S. Petanidis, E. Kioseoglou, D. Anestakis, M. Hatzopoulou-Cladaras, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
80. “Copper neurotoxicity and neuroprotection. An ex vivo study”
O. Tsave, A. Salifoglou, G. Theophilidis
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
81. “Hybrid lanthanide MOFs with dicarboxylic acids and sensor applications”
C. Gabriel, R. Tekidou, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
82. “Vanadium downregulates autophagy through induction of TRAIL induced apoptosis in cancer cells”
S. Petanidis, E. Kioseoglou, D. Anestakis, A. Moustakas, J. Carthy, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
83. “Vanadium metallodrugs: from the design to the anticancer biology”
A. Salifoglou
9th International Vanadium Symposium Chemistry, Biological Chemistry & Toxicology
Dipartimento Scienze Chimiche, University of Padova – Italy
Dipartimento di Scienze e Tecnologie Chimiche
University of Roma TorVergata – Italy
June 29-July 2, 2014, Padova, Italy
84. “The effect of Cu(II) metallotoxin on the peripheral neuronal fibers in rat – an ex vivo study”
O. Tsave, A. Salifoglou, G. Theophilidis
32nd Annual Conference of the Hellenic Society for Biological Sciences
May 8-10, 2014, Ioannina

- 85.** “Insulin mimetic activity of newly synthesized zinc molecules. In vitro studies on adipocyte cultures ”
M.P. Yavropoulou, K. Topouridou, O. Tsave, A. Salifoglou, K. Kotsa, I.G. Yovos.
27th Panhellenic Annual Conference of the Diabetes Society of Northern Greece
November, 14-16, 2013, Thessaloniki, Greece.
- 86.** “Molecular approaches in the development of prognostic technology in Alzheimer’s disease.”
A. Salifoglou
9th Pan–Hellenic Scientific Conference in Chemical Engineering
“The Contribution of Chemical Engineering to Sustainable Development”
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece
- 87.** “Design, synthesis and molecular biological studies toward the development of insulin mimetic zinc biotechnology in Diabetes mellitus.”
O. Tsave, E. Halevas, M. Yavropoulou, K. Topouridou, E. Yovos, A. Salifoglou
9th Pan–Hellenic Scientific Conference in Chemical Engineering
“The Contribution of Chemical Engineering to Sustainable Development”
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece
- 88.** “The effect of H-ras oncogene on carcinogenesis. From etiopathogenesis to the development of functional metallodrugs”
S. Petanidis, A. Salifoglou
Heraklitos II Meeting “Support of Human Research Capital through Implementation of Doctoral Research. Central Actions in Doctoral Research”.
December 10, 2012, Thessaloniki, Greece.
- 89.** “Role of cadmium in the regulation of H-ras Expression accompanied by Caspase-3 Apoptotic Cell Death in Breast Cancer Epithelial MCF-7 cells.”
S. Petanidis, A. Salifoglou
63rd Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 9-11, 2012, Heraklion, Greece.
- 90.** “Molecular mechanism of interaction of carcinogenic metals with minisatellite DNA and consequences on the transcriptional regulation of the H-ras oncogene.”
S. Petanidis, A. Salifoglou
21st Pan-Hellenic Conference in Chemistry
Session XII: Medicinal and Biological Chemistry
December 9-12, 2011, Thessaloniki, Greece.
- 91.** “In vitro study of the neurodegeneration process in hippocampal cell cultures.”
A. Savva, C. NDay, A. Salifoglou
21st Pan-Hellenic Conference in Chemistry
Session XII: Medicinal and Biological Chemistry
December 9-12, 2011, Thessaloniki, Greece.
- 92.** “Study of the interactions of Cu(II) with organophosphonate substrates.”

- B. Georgantas, A. Salifoglou
21st Pan-Hellenic Conference in Chemistry
Session III: Chemistry and Materials Technology
 December 9-12, 2011, Thessaloniki, Greece.
93. “The interaction chemistry of biotoxic aluminum with hydroxycarboxylic acids in aqueous media. The biotoxicity potential of binary Al(III) hydroxycarboxylate species in neurodegenerative processes”
 A. Salifoglou
4th European Conference on Chemistry for Life Sciences (4ECCLS)
 August 31-September 3, 2011, Budapest, Hungary
94. “The molecular basis for the development of neuroprotective technology in the neurodegenerative Alzheimer disease”
 A. Salifoglou, C. Nday
8th Panhellenic Scientific Conference in Chemical Engineering
 May 26-28, 2011, Thessaloniki, Greece
95. “Rational development of 1D-3D supramolecular lattice architectures through metal-assisted transformations of organic dicarboxylic”
 A. Salifoglou, C. Gabriel
8th Panhellenic Scientific Conference in Chemical Engineering
 May 26-28, 2011, Thessaloniki, Greece
96. “Potential mechanisms of Al(III) action in the induction of neurodegenerative disorders of the Alzheimer’s type”
 C. Nday, A. Salifoglou
Plenary Lecture
7th National Conference in Alzheimer’s Disease and Related Disorders
 February 16-20, 2011, Thessaloniki, Greece
97. “Al(III) Effects on neuronal hippocampal cellular NMDA and VDCC channels in early events of neurodegeneration”
 C. Nday, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
 November 3-5, 2010, Thessaloniki, Greece
98. “Structural Speciation and In Vitro Cytotoxicity of Neurotoxic Aluminum in Alzheimer’s Type Neurodegeneration”
 A. Salifoglou
10th Greece-Cyprus Conference
Chemistry and Sustainable Growth
 July 2-4, 2009, Heraklion, Greece
99. “In Vitro Study of Neurotoxic Forms of Al(III) in Relation to Neurodegenerative Dementia in Alzheimer’s Disease”
 C. Nday, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
 June 3-5, 2009, Patras, Greece

- 100.** “Synthetic Study of Interactions of Al(III) with Organophosphonate Substrates”
B. Georgantas, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
June 3-5, 2009, Patras, Greece
- 101.** “Interactions Between Al(III) and Phosphonate-Carboxylate Substrates Relevant to Alzheimer’s Disease”
B. Georgantas, A. Salifoglou
The Eighth Keele Meeting on Aluminium
February 21-25, 2009, Trest, Czech Republic
- 102.** “In vitro Research Study of the Effect of the Environmental Metallotoxin Al(III) on the Oxidative Stress of Neuronal Cells through the Action of Ca(II) Ions.”
C. Nday, A. Salifoglou
6th Panhellenic Conference on Alzheimer's Disease and Related Disorders
Grand Hotel
February 19-22, 2009, Thessaloniki, Greece
- 103.** “The Crossword Puzzle of Knowledge and Technology with Small and Large Molecules in Alzheimer’s Disease. Do we Learn or Forget?”
A. Salifoglou
Department of Chemical Engineering
Aristotle University of Thessaloniki
January 10, 2008, Thessaloniki, Greece
- 104.** “Design, Synthesis and Biological Activity of Vanadium Insulin Mimetic Drugs”
A. Salifoglou
Section of Basic and Applied Chemistry
6th Panhellenic Scientific Conference of Chemical Engineering
Volume A, p. 513-516
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece
- 105.** “Water Soluble and Bioavailable Forms of Fe(III) with Quinic Acid. Synthesis, Isolation, Structural and Spectroscopic Characterization”
M. Menelaou, C. Mateescu, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering
Volume A, p. 497-500
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece
- 106.** “Synthetic Investigation of the Molecular Basis of Cr(III) Toxicity in the Presence of the Physiological Substrate Quinic Acid”
C. Gabriel, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering
Volume A, p. 113-116
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece
- 107.** “The Interaction of Hydroxycarboxylic Acids with Fe(III). Water Soluble and Bioavailable Forms of Fe(III) in Plants”
M. Menelaou, C. Mateescu, A. Salifoglou

9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus

- 108.** “Study of the Aqueous Binary System Cr(III)-citric acid Toward Understanding the Molecular Basis of Chromium Biototoxicity”
C. Gabriel, A. Salifoglou
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus
- 109.** “Metallotoxicity and Neuroprotection in Alzheimer’s Disease”
J. Lazaridis, B. Drever, A. J. Drysdale, A. Salifoglou, B. Platt
“Oxidative Stress and Dementia”
5th National Conference in Alzheimer’s Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece
- 110.** “Dynamic Methods to Study Metal Embryotoxicity”
C. Nday, J. Lazaridis, A. Stergiadis, A. Georgiou, E.-N. Emmanouil-Nikoloussi, H. Fragou-Massouridou, A. Salifoglou
2nd D29/016/04 COST Working Group Meeting on
“Novel sustainable metal catalysed oxidations with H₂O₂ and O₂”
June 17-18, 2006, Rome, Italy
- 111.** “Synthesis and Characterization of Two New Isostructural Iron(III)-Quinates from Aqueous Solutions”
Melita Menelaou, A. Salifoglou
New Trends in Food Safety and Food Technology
May 25-26, 2006, Timisoara, Romania
- 112.** Isolation and characterization of a new complex of Cr(III) with the physiological substrate of citric acid in aqueous media
C. Gabriel, A. Salifoglou
20^o Pan-Hellenic Chemistry Conference
“Chemistry: Education, Research and Implementation”
September 20-24, 2005, Ioannina, Greece
- 113.** “Insulin mimetic preparations of vanadium in correlation with the disease Diabetes mellitus II”
A. Salifoglou
5th Hellenic Chemical Engineering Conference
Materials Science and Technology 10
Book of Archives, p. 1157-1160
May 26-28, 2005, Thessaloniki, Greece
- 114.** “Development of the aqueous chemistry of the environmental toxin Hg(II) with biomimetic phosphonate derivatives”
J. Bounias, A. Salifoglou
5th Hellenic Chemical Engineering Conference
Basic and Applied Chemistry 3

- Book of Archives, p. 289-292
May 26-28, 2005, Thessaloniki, Greece
- 115.** “Synthetic, structural, and spectroscopic studies in correlation with the aqueous speciation of the Ti(IV)-citrate system”
P. Panagiotidis, E. Kefalas, A. Salifoglou
5th Hellenic Chemical Engineering Conference
Basic and Applied Chemistry 3
Book of Archives, p. 293-296
May 26-28, 2005, Thessaloniki, Greece
- 116.** “A vanadium(V)-citrate complex from aqueous solutions”
C. Gabriel, M. Kaliva, A. Salifoglou
Volume XI, No. 1, p. 69-72
SAFE FOOD ALL OVER EUROPE
11th Symposium on “Agroalimentary Processes and Technologies” of the Timisoara’s Academic Days 2005
Banat University of Agricultural and Veterinary Medicine
May 26-27, 2005, Timisoara, Romania
- 117.** Insulin-mimetic vanadium compounds: Design, synthesis and in vitro tests.
D. Rehder, F. AVECILLA, J. Costa Pessoa, C. F. G. C. GERALDES, T. Kabanos, T. Kiss, B. Meier, G. Micera, I. Nolte, L. Pettersson, A. Salifoglou
Mid-term evaluation workshop on “Metalloenzymes and Chemical Biomimetics” COST D21
September 18-21, 2003, Thessaloniki, Greece
- 118.** The Interwoven Fate of Biology and Chemistry in the Plant Biotechnology of the Future
Kalliopi A. Roubelakis-Angelakis and Athanasios Salifoglou
International Conference on Emerging Frontiers at the Interface of Chemistry & Biology
April 28-30, 2003, Trivandrum, India
- 119.** The Aqueous Chemistry of Aluminum in the Presence of Physiological Ligands in Relevance to the Role of this Biotoxic Metal Ion in Neurodegenerative Diseases.
A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece
- 120.** Aluminium and beta-amyloid induced neurotoxicity in primary hippocampal cultures following short-term exposure.
E. V. L. Roloff, A. J. Drysdale, F. King, T. Salifoglou, B. Platt.
Society for Neuroscience Abstracts 2001, 27, 872.1.
Society for Neuroscience 31st Annual Meeting
November 10-15, 2001, San Diego, U.S.A.
- 121.** Delineating the Structural Speciation of Aluminum with Physiological Ligands, in Correlation with the Biototoxicity of this Metal Ion in Humans.
A. Salifoglou

- 18th Panhellenic Conference in Chemistry*
March 10-13, 2001, Pireaus, Greece.
- 122.** Aqueous Extracts of Mediterranean Herbs Exhibit Antioxidant Activity *in vitro*.
C. Matsingou, M. Kapsokefalou, A. Salifoglou
18th Panhellenic Conference in Chemistry
March 10-13, 2001, Pireaus, Greece.
- 123.** “The antioxidant behavior of nutritional systems is determined by the interactions of their constituents. Studies of interactions between iron and polyphenolic components.”
C. Matsingou, M. Kapsokefalou, A. Salifoglou
6th Panhellenic Conference on Nutrition-Diet
November 24-26, 2000, Athens, Greece.
- 124.** The Aqueous Chemistry of Vanadium in the Presence of Carboxylic Acids
M. Tsaramyrsi, M. Calyva, A. Terzis, C. P. Raptopoulou, A. Salifoglou
6th Joint Greece-Cyprus Conference in Chemistry
September 2-5, 1999, Rhodes, Greece.
- 125.** Antioxidant Behavior of Mixtures of Iron and Tea or Herbs Under *in vitro* Digestion Conditions.
C. Matsingou, M. Kapsokefalou, A. Salifoglou
6th Joint Greece-Cyprus Conference in Chemistry
September 2-5, 1999, Rhodes, Greece.
- 126.** Vanadium Citrate Chemistry in Aqueous Solutions
M. Tsaramyrsi, M. Calyva, A. Terzis, C. P. Raptopoulou, A. Salifoglou
5th International Symposium on Applied Bioinorganic Chemistry
April 13-17, 1999, Corfu, Greece.
- 127.** Aqueous Vanadium Complexes with Carboxylic Acids and their Potential Relevance to Biological Systems.
A. Salifoglou
COST D8 and ESF WORKSHOP on Biological and Medicinal Aspects of Metal Ion Speciation
August 22-25, 1998, Attila Jozsef University, Szeged, Hungary.
- 128.** Vanadium Citrate Complexes and their Relevance to Biological Systems.
M. Tsaramyrsi, A. Terzis, C. P. Raptopoulou, A. Salifoglou
1st International Conference of the Chemical Societies of the South-East European Countries
"Chemical Sciences and Industry"
1-4 June, 1998, Halkidiki, Greece.
- 129.** The Chemistry of Aluminum with Citrates in Neurodegenerative Diseases.
M. Matzapetakis, A. Terzis, C. P. Raptopoulou, A. Salifoglou
2nd Symposium of the Institute of Physical Chemistry
"Chemical Research and Industry"
3-5 December, 1997, NRCPS “Demokritos”, Athens, Greece.

- 130.** Aluminum Species as a Preamble to Pathological Diseases.
M. Matzapetakis, A. Terzis, C. P. Raptopoulou, A. Salifoglou
4th (FGIPS) European Mediterranean Conference in Inorganic Chemistry
October 1997, Corfu, Greece.
- 131.** Intermediate Complexes and Protein Interactions in Substrate Reactions of Methane Monooxygenase from *M. capsulatus* (Bath).
K. E. Liu, A. M. Valentine, D. Wang, B. H. Huynh, D. E. Edmondson, S. J. Lippard, and A. Salifoglou
17th Panhellenic Chemical Society Meeting,
“Chemistry on the doorstep of the 21st century”,
1-5 December 1996, Patras, Greece.
- 132.** From the Mass Production of *Methylococcus capsulatus* to the Efficient Separation and isolation of Methane Monooxygenase Proteins. Characterization of Novel Intermediates in Substrate Reactions of Methane Monooxygenase.
K. E. Liu, A. M. Valentine, D. Wang, B. H. Huynh, D. E. Edmondson, A. Salifoglou, and S. J. Lippard
NATO Advanced Study Institute on “Cytotoxic, Mutagenic and Carcinogenic Potential of Heavy Metals, Including Metals Related to Human Environment”,
15-26 June, 1996, Przesieka, Poland.
- 133.** Nitrogenase and Nitrogen Fixation.
W. H. Orme-Johnson, A. Anderson, F. M. Ausubel, T. A. Collet, A. B. Hickman, B. Hoffman, P. McLean, A. F. Miller, E. Münck, M. P. Reeve, T. Salifoglou, B. Stewart, T. White, D. Wink, D. Wright
4th International Conference on Bioinorganic Chemistry,
May 20-26, 1990, Knoxville, Tennessee, U.S.A.
- 134.** The Synthesis and Characterization of Fe/Mo/S Clusters of Possible Relevance to the Active Site of Nitrogenase.
D. Coucouvanis, M. G. Kanatzidis, A. Salifoglou
149th ACS National Meeting,
August 30 - September 4, 1987, New Orleans, Louisiana, U.S.A.
- 135.** Binuclear Complexes of the First-Row Transition Metals with Aryloxides as Bridging Ligands.
A. Salifoglou, K. Greiwe, D. Coucouvanis
19th ACS Central Regional Meeting,
June 24 - 26, 1987, Columbus, Ohio, U.S.A.
- 136.** New Thiolate Complexes of Niobium and Tantalum.
R. Bergero, D. Coucouvanis, A. Salifoglou
19th ACS Central Regional Meeting,
June 24 - 26, 1987, Columbus, Ohio, U.S.A.
- 137.** Structures and Electronic Properties of Fe/Mo/S Aggregates. Possible Structural Analogues for the Active Site of Nitrogenase.
D. Coucouvanis, A. Salifoglou, M. G. Kanatzidis

19th ACS Central Regional Meeting,
June 24 - 26, 1987, Columbus, Ohio, U.S.A.

- 138.** Mixed and Non-Sulfur Terminal Ligand Environment Fe₄ and Fe₂S₂ Clusters.
Their Relevance as Ferredoxin Active Site Analogues.

D. Coucouvanis, M. G. Kanatzidis, A. Salifoglou

188th ACS National Meeting,
August 26 - 31, 1984, Philadelphia, Pennsylvania, U.S.A.

- 139.** Synthetic Iron-Sulfur Clusters Containing the [Fe₂S₂]²⁺ Core and Non-Sulfur
Terminal Ligands.

A. Salifoglou, M. G. Kanatzidis, and D. Coucouvanis

*Third Joint Great Lakes/Central Regional Meeting of the American
Chemical Society,*

May 23 - 25, 1984, Kalamazoo, Michigan, U.S.A.

Presiding Chairman at National and International Meetings

- 1. SESSION: METALS IN MEDICINE AND BIOLOGY**
Chair: F. Arnesano, A. Salifoglou
16th International Symposia on Applied Bioinorganic Chemistry – ISABC 16
June 11–14, 2023, Ioannina, Greece
- 2. SESSION: INORGANIC – BIOINORGANIC CHEMISTRY**
Chair: A. Salifoglou
13th Cyprus-Greece Chemistry Conference
University of Cyprus
October 31st 2019 – November 3rd 2019, Nicosia, Cyprus
- 3. SESSION: FOOD PROCESSING TECHNOLOGY**
Chair: A. Salifoglou
The 7th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
Faculty of Food Processing Technology
May 25-26, 2017, Timișoara, Romania
- 4. SESSION: BIOCHEMICAL ENGINEERING-BIOTECHNOLOGY-BIOMEDICAL ENGINEERING**
Chair: A. Salifoglou, A. Asimopoulou
11th Pan-Hellenic Conference in Chemical Engineering
Chemical Engineering: Lever of Innovation and Development
May 25-27, 2017, Thessaloniki, Greece
- 5. SESSION: NANOTECHNOLOGY AND DEMENTIA**
Chair: A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece
- 6. SESSION: ETIOPATHOGENESIS AND MOLECULAR TECHNOLOGIES CONFRONTING ALZHEIMER'S NEURODEGENERATION**
Chair: A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece
- 7. SESSION: INORGANIC AND BIOINORGANIC CHEMISTRY**
Chairs: G. Psomas, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece
- 8. SESSION: PLENARY CONFERENCES**
Chairs: M. Zaharescu, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection

The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania

9. SESSION: Biochemical Engineering - Biotechnology
Chairs: A. Salifoglou, M. Klapa
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
10. SESSION: State of the Art - Cellular function and Alzheimer disease
9th Panhellenic Conference on Alzheimer's Disease & 1st Mediterranean on Neurodegenerative Diseases
May 14-17, 2015, Thessaloniki, Greece
11. SESSION: New technologies in combating neurodegeneration
9th Panhellenic Conference on Alzheimer's Disease & 1st Mediterranean on Neurodegenerative Diseases
May 14-17, 2015, Thessaloniki, Greece
12. SESSION: Inorganic and Bioinorganic Chemistry
Chairs: A. Salifoglou, J. Plakatouras
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
13. SESSION: Biophysical, environmental and green chemistry.
Chairs: A. Salifoglou, Vlad Tudor Popa
International Conference of Physical Chemistry
Romphyschem 15
Romanian Academy of Sciences
September 11-13, 2013, Bucharest, Romania
14. SESSION: Nanostructure Assemblies in Biotechnology
Chairs: A. Salifoglou and Eva Marie Hey-Hawkins
13th Edition of Academic Days Timisoara Chemistry Symposium- New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
June 13-14, 2013, Timișoara, Romania
15. SESSION: General Symposium II: Biotechnology, Biomaterials, Tissue Engineering
Chairs: Maya Simionescu and A. Salifoglou
5th International Congress and the 31st Annual Scientific Session of the Romanian Society for Cell Biology
June 5-9, 2013, Timișoara, Romania
16. SESSION: Biobanks
Chair: A. Salifoglou
8^o Panhellenic Conference of Alzheimer's Disease
February 28-March 3, 2013, Thessaloniki, Greece
17. SESSION: Materials
Chairs: A. Salifoglou, Cecilia Savii

New Trends and Strategies in the Chemistry of Advanced Materials
November 8-9, 2012, Timisoara, Romania

- 18. SESSION: Metalloproteins**
Chair: A. Salifoglou
European Biological Inorganic Chemistry 11 (EUROBIC 11) Conference
September 12-16, 2012, Granada, Spain
- 19. SESSION: Bioinorganic Chemistry**
Chairs: E. Milaeva, A. Salifoglou
12th Eurasia Conference on Chemical Sciences
April 16-21, 2012, Corfu, Greece.
- 20. SESSION XIII: Inorganic and Bioinorganic Chemistry**
Chairs: S. Perlepes, A. Salifoglou
21st Pan-Hellenic Conference in Chemistry
December 9-12, 2011, Thessaloniki, Greece.
- 21. SESSION T4: Metals in Neurosciences**
Chair: A. Salifoglou
11th International Symposium on Applied Bioinorganic Chemistry (ISABC11)
December 2-5, 2011, Barcelona, Spain.
- 22. SESSION II: Biomaterials**
Chairs: Marius Andruh, A. Salifoglou
5th International Symposium on New Trends and Strategies in the Chemistry of Advanced Materials
November 3-4, 2011, Timisoara, Romania
- 23. SESSION: Basic and Applied Chemistry**
Chairs: D. Spartinos, A. Salifoglou
8th Panhellenic Scientific Conference in Chemical Engineering
May 26-28, 2011, Thessaloniki, Greece
- 24. SESSION: Biotechnology and Biomedical Engineering**
Chairs: A. Salifoglou, A. Assimopoulou
8th Panhellenic Scientific Conference in Chemical Engineering
May 26-28, 2011, Thessaloniki, Greece
- 25. SESSION: Biomedicine and Bioengineering**
Chairs: A. Salifoglou, T. Pajpanova and E. Eskader
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece
- 26. SESSION: Aetiology and Pathology in Dementias**
25th International Conference of Alzheimer's Disease International (ADI)
March 10-13, 2010, Thessaloniki, Greece.
- 27. WORKSHOP 2: Trace Elements: Metabolism and Biological Effects**

7th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2009, Athens, Greece

- 28. SESSION MATERIALS SCIENCE AND TECHNOLOGY 7 (MS7)**
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
- 29. SESSION S7 COPPER**
9th European Biological Inorganic Chemistry Conference – EUROBIC9
September 2-6, 2008, Wroclaw, Poland
- 30. SCIENTIFIC PROGRAM SESSION D**
FIGIPAS 9 Meeting in Inorganic Chemistry
July 4-7, 2007, Vienna, Austria
- 31. BASIC AND APPLIED CHEMISTRY 6th**
Panhellenic Scientific Conference of Chemical Engineering
May 31 – June 2, 2007, Athens, Greece
- 32. SYNTHETIC AND COMPUTATIONAL CHEMISTRY**
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus
- 33. OXIDATIVE STRESS AND DEMENTIA**
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece
- 34. POSTER SESSION**
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece
- 35. NEW TRENDS IN FOOD SAFETY AND TECHNOLOGIES**
SESSION 2
May 25-26, 2006, Timisoara, Romania
- 36. 5th INTERNATIONAL SYMPOSIUM ON TRACE ELEMENTS IN HUMAN: NEW PERSPECTIVES**
WORKSHOP 2: TRACE ELEMENTS: METABOLISM AND BIOLOGICAL EFFECTS
October 13-15, 2005, Athens, Greece
- 37. 5th INTERNATIONAL SYMPOSIUM ON TRACE ELEMENTS IN HUMAN: NEW PERSPECTIVES**
WORKSHOP 1: TRACE ELEMENTS AND HUMAN HEALTH
October 13-15, 2005, Athens, Greece
- 38. 5th HELLENIC CHEMICAL ENGINEERING CONFERENCE**
SESSION: BASIC AND APPLIED CHEMISTRY 1
May 26-28, 2005, Thessaloniki, Greece

- 39. AGROALIMENTARY PROCESSES AND TECHNOLOGIES
SESSION I**
May 26-27, 2005, Timisoara, Romania
- 40. AGROALIMENTARY PROCESSES AND TECHNOLOGIES
SESSION I**
May 20-21, 2004, Timisoara, Romania
- 41. 13th ALZHEIMER EUROPE CONFERENCE AND 3rd HELLENIC NATIONAL
ALZHEIMER DISEASE AND RELATED DISORDERS CONFERENCE**
SESSION: Stress and Brain
June 12-15, 2003, Thessaloniki, Greece.
- 42. 19th PAN-HELLENIC CONFERENCE ON CHEMISTRY
SESSION INORGANIC CHEMISTRY**
November 6-10, 2002, Heraklion, Greece
- 43. METALLOBIOMOLECULES AND SYNTHETIC MODELS
SYMPOSIUM 3**
6th FIGIPS Meeting in Inorganic Chemistry
July 16-20, 2001, Barcelona, Spain
- 44. CHEMISTRY AND METAL SPECIATION
SESSION 6**
*First International Conference on METALS IN THE BRAIN
From Neurochemistry to neurodegeneration*
University of Padova
September 20-23, 2000, Padova, Italy
- 45. PATHOGENESIS OF ALZHEIMER'S DISEASE**
First Panhellenic Conference on Alzheimer's Disease
January 13-16, 2000, Thessaloniki, Greece
- 46. PLENARY SESSION and
COORDINATION AND BIOINORGANIC CHEMISTRY SESSION**
5th FIGIPS Meeting in Inorganic Chemistry
October 27-31, 1999, Toulouse, France

Participation in International Meetings

- PUBLICATIONS IN SYMPOSIA PROCEEDINGS
- RESEARCH POSTER PRESENTATIONS

1. Vanadium influence of natural extract antioxidant activity on neuroprotection
G. Lazopoulos, S. Matsia, A. Salifoglou
13th International Vanadium Symposium, VI3
Calouste Gulbenkian Foundation
November 22-24, 2023, Lisbon, Portugal
2. Hybrid zinc-enriched *Cornus mas* L. extracts in brain neuroprotection
S. Matsia, G. Lazopoulos, A. Salifoglou
1st Aristotle Conference on Chemistry. Advances and Challenges in Chemistry.
November 12-15, 2023, Thessaloniki, Greece
3. Rationalizing zinc enhancement of natural product neuroprotective potential through molecular chemistry at the biological level
S. Matsia, G. Lazopoulos, A. Salifoglou
2nd Panhellenic Workshop on Inorganic Chemistry
September 28-30, 2023, Athens, Greece
4. Advancing Interfacing metal ion enhancement of natural product antioxidant potency with neuroprotection
S. Matsia, G. Lazopoulos, A. Salifoglou
The 17th International Conference of Physical Chemistry – Romphyschem 17
September 25-27, 2023, Bucharest, Romania
5. Metal-organic synthetic chemistry of Co(II,III) with O,N-terminal substrates. Magnetic and electronic properties.
S. Matsia, A. Hatzidimitriou, A. Salifoglou
New Trends in Chemistry Research
September 21–22, 2023, Timișoara, Romania
6. The Metal-enhanced antioxidant activity of a natural product promotes neuroprotection
S. Matsia, G. Lazopoulos, A. Salifoglou
New Trends in Chemistry Research
September 21–22, 2023, Timișoara, Romania
7. Inorganic cofactors enhancing antioxidant activity of seaweed and fish extracts as biofertilizers in plant growth
S. Matsia, M. Maroulis, M. Perikli, O.C. Parvulescu, V.A. Ion, A.-K. Løes, J. Cabell, A. Salifoglou
16th International Symposia on Applied Bioinorganic Chemistry – ISABC 16
June 11–14, 2023, Ioannina, Greece
8. In-vitro evaluation of the potency of Zn-citrate supplementation of natural products toward neuroprotection
G. Lazopoulos, S. Matsia, M. Maroulis, A. Salifoglou
16th International Symposia on Applied Bioinorganic Chemistry – ISABC 16
June 11–14, 2023, Ioannina, Greece

- 9.** Design, synthesis and physicochemical properties of ternary La(III) systems with dietary flavonoids
E. Pozarlis, S. Matsia, A. Hatzidimitriou, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences
May 25–26, 2023, Timișoara, Romania
- 10.** Chemical reactivity of lanthanide metal ions with natural antioxidant agents
V. Dakoura, S. Matsia, A. Hatzidimitriou, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences
May 25–26, 2023, Timișoara, Romania
- 11.** Seaweed and ground fish bone product characterization and antioxidant activity as potential plant growth stimulants in agriculture
S. Matsia, M. Maroulis, M. Perikli, O.C. Parvulescu, V.A. Ion, A.-K. Løes, J. Cabell, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences
May 25–26, 2023, Timișoara, Romania
- 12.** Synthesis and characterization of vanadium hybrid materials with physiological substrates as potential insulin mimics in Diabetes mellitus II
G. Lazopoulos, A. Hatzidimitriou, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences
May 25–26, 2023, Timișoara, Romania
- 13.** Unusual catalytic reactivity in new vanadium-peroxido-zwitterion materials
E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences
May 25–26, 2023, Timișoara, Romania
- 14.** Production of bilayer polymeric films for future use in active food packaging materials
C. Giannios, S. Matsia, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
King Michael I University of Life Sciences
May 25–26, 2023, Timișoara, Romania
- 15.** Design, synthesis, and physicochemical properties of ternary Nd(III) systems with flavonoids.
A. Papadopoulos, S. Matsia, A. Hatzidimitriou, A. Salifoglou

Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology

King Michael I University of Life Sciences

May 25–26, 2023, Timișoara, Romania

- 16.** Biochar amendment applied to improve crop growth and yield
D. Egri, O.C. Pârvulescu, V.A. Ion, L. Bădulescu, S.I. Calcan, T.Dobre, C.E. Răducanu, A. Mocanu¹, A.-K. Løes, J. Cabell, A. Salifoglou, M. Maroulis, S. Matsia, C.O. Letelier-Gordo, F.M. Carboni
Romanian Chemical Engineering Society, SICHEM 2022
November 17– 18, 2022, Bucharest, Romania
- 17.** Assessment of Chemical Composition of Fish Residues
V.A. Ion, O.C. Pârvulescu, O.-C. Bujor, A. Moț, L. Bădulescu, A.-K. Løes, J. Cabell, A. Salifoglou, M. Maroulis, S. Matsia, C. Răducanu, A. Mocanu
22nd Romanian International Conference on Chemistry and Chemical Engineering
September 7- 9, 2022, Sinaia, Romania
- 18.** Natural product derivatives through organic synthesis as enhanced antioxidant agents
S. Matsia, A. Hatzidimitriou, A. Salifoglou
9th ICGC, International Conference on Green Chemistry
September 5-9, 2022, Athens, Greece
- 19.** 3D (Bio)printing of smart hydrogels supporting cell cultures in the restoration of tissue lesions
V. Karakosta, K. Rogkotis, S. Matsia, A. Salifoglou
13th Panhellenic Chemical Engineering Conference
June 2–4, 2022, Patras, Greece
- 20.** Synthesis of microparticles from polymeric matrixes, physicochemical characterization and encapsulation of medical agents
A. Tsimpris, S. Matsia, N. Boukos, E. Sakellis, A. Salifoglou
13th Panhellenic Chemical Engineering Conference
June 2–4, 2022, Patras, Greece
- 21.** Ternary hybrid flavonoid metal-compounds in prevention and treatment of pathologies
K. Tsiko, G. Lazopoulos, S. Matsia, A. Hatzidimitriou, A. Salifoglou
13th Panhellenic Chemical Engineering Conference
June 2–4, 2022, Patras, Greece
- 22.** Design and synthesis of modified natural products for enhancement of their antioxidant and biological activity
M. Pouli, S. Matsia, A. Hatzidimitriou, A. Salifoglou
13th Panhellenic Chemical Engineering Conference
June 2–4, 2022, Patras, Greece
- 23.** Inorganic surface modified nanoparticles and encapsulation of natural products in treatment of human pathologies
K. Karakosta, S. Matsia, A. Salifoglou
13th Panhellenic Chemical Engineering Conference

June 2–4, 2022, Patras, Greece

- 24.** Binary and ternary systems of transition metal ions with aminoalcohols and N,N-chelators
T. Gkogkou, S. Matsia, A. Hatzidimitriou, A. Salifoglou
13th Panhellenic Chemical Engineering Conference
June 2–4, 2022, Patras, Greece
- 25.** Insulin mimetic (nano)biotechnology of flavonoid metal complexes and bioavailable propolis, with structure-specific biomarkers in Diabetes mellitus II.
S. Matsia, A. Salifoglou
School of Chemical Engineering Conference
May 26, 2022, Thessaloniki, Greece
- 26.** Diagnostic technology of metal-organic hybrid materials, natural products and derivatives thereof, with emphasis on the study of physicochemical processes in biological fluids
M. Maroulis, A. Salifoglou
School of Chemical Engineering Conference
May 26, 2022, Thessaloniki, Greece
- 27.** Development of technology and multifunctional materials, with emphasis on diagnostics metallotoxins in food and biological fluids
M. Perikli, A. Salifoglou
School of Chemical Engineering Conference
May 26, 2022, Thessaloniki, Greece
- 28.** Vanadium-peroxido materials as catalytic precursors in the oxidation of aromatic substrates
E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 26–27, 2022, Timișoara, Romania
- 29.** Development of vanadium-peroxido-zwitterion double phase catalytic system for the hydroxylation of benzene
E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 26–27, 2022, Timișoara, Romania
- 30.** A mechanical property study of composite biomaterial scaffolds used as substrates in tissue development applications
K. Rogkotis, S. Matsia, L. Koutsotolis, K. Tsirca, A. Pahipetis, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology

Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 26–27, 2022, Timișoara, Romania

- 31.** Design and synthesis of liposomic nanoparticles in drug delivery
S. Matsia, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 26–27, 2022, Timișoara, Romania
- 32.** Hybrid bis-peroxido-zwitterion-vanadium compounds as oxidation catalysts with technological applications
E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
Multidisciplinary Conference on Sustainable Development Section: Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara
May 20-21, 2021, Timisoara, Romania
- 33.** Vanadium peroxido compounds reduce autophagic flux and inhibit epithelial-mesenchymal transition by triggering TRAIL-induced apoptosis in cancer cells
E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
Multidisciplinary Conference on Sustainable Development Section: Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timișoara
May 20-21, 2021, Timisoara, Romania
- 34.** Antimicrobial activity of cobalt-citrate against common foodborne pathogens and its potential for incorporation into food packaging material
J. Rhoades, V. Katsouda, S. Taousani, S. Matsia, N. Kiriazidi, A. Salifoglou, E. Likotrafiti
6th International ISEKI-Food Conference
"Sustainable Development Goals in Food Systems: Challenges and Opportunities for the Future"
June 23-25, 2021, Vienna, Austria
- 35.** Vanadium peroxido compounds reduces autophagic flux and inhibits epithelial-mesenchymal transition by triggering TRAIL-induced apoptosis in cancer cells
E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 20– 21, 2021, Timișoara, Romania
- 36.** Hybrid bis-peroxido-zwitterion-vanadium compounds as oxidation catalysts with technological applications

- E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
Multidisciplinary Conference on Sustainable Development: Section Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
 May 20– 21, 2021, Timișoara, Romania
- 37.** Liposomic carriers for propolis encapsulation in the treatment of prooxidant processes in cellular metabolism
 S. Matsia, A. Salifoglou
1st Virtual Conference of Young Scientists
 February 26 – 28, 2021, Kozani, Greece
- 38.** Synthesis of vanado-peroxido-amphoteric materials with catalytic and biological activity
 E. Kioseoglou, A. Hatzidimitriou, A. Salifoglou
1st Virtual Conference of Young Scientists
 February 26 – 28, 2021, Kozani, Greece
- 39.** Design, synthesis and physicochemical characterization of microparticles for medical applications
 C. Vasileiou, S. Matsia, I. Kioumis, A. Salifoglou
1st Virtual Conference of Young Scientists
 February 26 – 28, 2021, Kozani, Greece
- 40.** Biopolymer filament production for 3D Printing and studies of their mechanical properties
 S. Sidiropoulos, S. Matsia, K. Rogotis, A. Salifoglou
1st Virtual Conference of Young Scientists
 February 26 – 28, 2021, Kozani, Greece
- 41.** Study of mechanical properties of scaffolds emerging through biomaterial synthesis for tissue development
 K. Rogotis, S. Matsia, L. Koutsotolis, K. Tsirka, A. Paipetis, A. Salifoglou
1st Virtual Conference of Young Scientists
 February 26 – 28, 2021, Kozani, Greece
- 42.** Antimicrobial Activity of Cobalt-Citrate Against Common Foodborne Pathogens and its Potential for Incorporation into Food Packaging Material
 V. Katsouda, S. Taousani, N. Kiriiazidi, J. Rhoades, S. Matsia, A. Salifoglou, E. Likotrafiti
6th International ISEKI-Food Conference
 2020, Cyprus
- 43.** Composite metallo-polymeric materials in the development of antibacterial films
 K. Rogotis, S. Matsia, E. Likotrafiti, A. Salifoglou
13th Cyprus-Greece Chemistry Conference
 University of Cyprus
 October 31st 2019 – November 3rd 2019, Nicosia, Cyprus

- 44.** Ternary systems of metal-organic materials of cadmium with long chain aliphatic dicarboxylic acids
I. Kyriazidou, S. Matsia, A. Hatzidimitriou, A. Salifoglou
13th Cyprus-Greece Chemistry Conference
University of Cyprus
October 31st 2019 – November 3rd 2019, Nicosia, Cyprus
- 45.** Binary and ternary systems of trivalent metal ions with flavonoids
A. Kontse, S. Matsia, A. Hatzidimitriou, A. Salifoglou
13th Cyprus-Greece Chemistry Conference
University of Cyprus
October 31st 2019 – November 3rd 2019, Nicosia, Cyprus
- 46.** Vanadate-peroxido complexes in anticancer therapy
E. Kioseoglou, S. Petanidis, A. Salifoglou
13th Cyprus-Greece Chemistry Conference
University of Cyprus
October 31st 2019 – November 3rd 2019, Nicosia, Cyprus
- 47.** Physicochemical study of binary and ternary systems of transition metal ions with aminoalcohols
A. Kaoulla, S. Matsia, A. Hatzidimitriou, A. Salifoglou
13th Cyprus-Greece Chemistry Conference
University of Cyprus
October 31st 2019 – November 3rd 2019, Nicosia, Cyprus
- 48.** Synthesis of silica nanoparticles as carriers of metallodrugs
D. Douka, S. Matsia, N. Boukos, A. Salifoglou
13th Cyprus-Greece Chemistry Conference
University of Cyprus
October 31st 2019 – November 3rd 2019, Nicosia, Cyprus
- 49.** Metal induced neurotoxicity. An ex vivo study.
O. Tsave, A. Salifoglou
7th National Inorganic Chemistry Congress, with International Participation
Faculty of Arts and Sciences, Department of Chemistry
Hittite University, Corum, Turkey
June 19-22, 2019, Corum, Turkey
- 50.** Structural speciation in binary-ternary Cd(II)-hydroxycarboxylic acid-aromatic chelator systems mirrors in vitro cytotoxic selectivity in a tissue-specific manner
O. Tsave, A. Salifoglou
7th National Inorganic Chemistry Congress, with International Participation
Faculty of Arts and Sciences, Department of Chemistry
Hittite University, Corum, Turkey
June 19-22, 2019, Corum, Turkey
- 51.** Structure and tissue-specificity of Cd(II) binary-ternary complex cytotoxicity in cytoprotection technology
C. Iordanidou, O. Tsave, A. Salifoglou

7th National Inorganic Chemistry Congress, with International Participation
Faculty of Arts and Sciences, Department of Chemistry
Hittite University, Corum, Turkey
June 19-22, 2019, Corum, Turkey

- 52.** Biototoxicity profile and aqueous structural speciation of binary boron–hydroxycarboxylic acid systems
S. Matsia, O. Tsave, A. Salifoglou
7th National Inorganic Chemistry Congress, with International Participation
Faculty of Arts and Sciences, Department of Chemistry
Hittite University, Corum, Turkey
June 19-22, 2019, Corum, Turkey
- 53.** Advanced catechin nanomaterials exert protective effects against amyloid segregation
C. M. Nday, G. Jackson, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” – Timișoara
May 23-24, 2019, Timișoara, Romania
- 54.** Insulin mimetic/adipogenic activity of binary-ternary Cr(III)-hydroxycarboxylic acid-aromatic chelator systems
O. Tsave, C. Gabriel, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” – Timișoara
May 23-24, 2019, Timișoara, Romania
- 55.** Magnetic chrysin silica nanomaterial behavior in an amyloidogenesis environment
C. M. Nday, G. Jackson, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” – Timișoara
May 23-24, 2019, Timișoara, Romania
- 56.** Flavonoid derivatives in the enhancement of antioxidant properties
S. Matsia, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine “King Michael I of Romania” – Timișoara
May 23-24, 2019, Timișoara, Romania
- 57.** Improvement of flavonoid nano-technology against Alzheimer-type neurodegeneration
C. M. Nday, G. Jackson, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology

Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 23-24, 2019, Timișoara, Romania

- 58.** Encapsulated naringin in pegylated nanoparticles against neurodegenerative processes
C. M. Nday, G. Jackson, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 23-24, 2019, Timișoara, Romania
- 59.** Quercetin in magnetic silica nanoparticles. application against Cu(II)-mediated neurodegenerative processes
C. M. Nday, G. Jackson, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 23-24, 2019, Timișoara, Romania
- 60.** Structural investigation and physicochemical properties of binary materials of Thallium with organic substrates
S. Matsia, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 23-24, 2019, Timișoara, Romania
- 61.** Biological activity of novel well-defined Ti(IV)-(α-hydroxycarboxylic acid) complexes in metabolic (patho)physiology
O. Tsave, A. Iordanidou, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 23-24, 2019, Timișoara, Romania
- 62.** The development of a new functional polynuclear Ti(IV)-carboxylic acid complex. Synthesis, characterization and in depth structure-properties investigation
A. Iordanidou, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 23-24, 2019, Timișoara, Romania
- 63.** Structure-specific adipogenic activity of binary/ternary V(V)-schiff base materials. Structure-function correlations toward insulinmimesis at the molecular level

O. Tsave, M. P. Yavropoulou, J. G. Yovos, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 23-24, 2019, Timișoara, Romania

- 64.** Vanadium downregulates autophagic flux and inhibits metastatic niche by induction of trail-induced apoptosis in cancer cells.
S. Petanidis, E. Kioseoglou, D. Anestakis, M. Hadzopoulou-Cladaras, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 23-24, 2019, Timișoara, Romania
- 65.** Hybrid peroxido vanadate complexes as advanced materials in biological systems
E. Kioseoglou, S. Petanidis, A. Salifoglou
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 23-24, 2019, Timișoara, Romania
- 66.** Optimizing Peroxido-Vanadate chemotherapeutics
E. Kioseoglou, S. Petanidis, A.
The 8th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timișoara
May 23-24, 2019, Timișoara, Romania
- 67.** Magnetic chrysin silica nanomaterials behavior in an amyloidogenic environment.
C. Nday, A. Salifoglou
11th Panhellenic Conference on Alzheimer's Disease & 3rd Mediterranean Conference on Neurodegenerative Diseases
February 14-17, 2019, Thessaloniki, Greece
- 68.** Encapsulated naringin in pegylated nanoparticles against neurodegenerative processes.
C. Nday, J. Graham, A. Salifoglou
11th Panhellenic Conference on Alzheimer's Disease & 3rd Mediterranean Conference on Neurodegenerative Diseases
February 14-17, 2019, Thessaloniki, Greece
- 69.** Advanced catechin nanomaterials exert protective effects against amyloid segregation.
C. Nday, J. Graham, A. Salifoglou
11th Panhellenic Conference on Alzheimer's Disease & 3rd Mediterranean Conference on Neurodegenerative Diseases
February 14-17, 2019, Thessaloniki, Greece

- 70.** Quercetin in magnetic silica nanoparticles application against Cu(II) mediated neurodegenerative processes.
C. Nday, J. Graham, A. Salifoglou
11th Panhellenic Conference on Alzheimer's Disease & 3rd Mediterranean Conference on Neurodegenerative Diseases
February 14-17, 2019, Thessaloniki, Greece
- 71.** Improvement of flavonoids nano-technology against Alzheimer-type neurodegeneration.
C. Nday, J. Graham, A. Salifoglou
11th Panhellenic Conference on Alzheimer's Disease & 3rd Mediterranean Conference on Neurodegenerative Diseases
February 14-17, 2019, Thessaloniki, Greece
- 72.** 3D biomaterial composite scaffolds as substrates in tissue engineering
K. Rogotis, A. Salifoglou
Department of Chemical Engineering of Aristotle University of Thessaloniki Conference "Research in the Department of Chemical Engineering and the role of Chemical Engineers in modern Chemical Industry"
December 17, 2018, Thessaloniki, Greece
- 73.** Metal ions, flavonoids and natural products in a (nano)biotechnology approach for Diabetes Mellitus II
S. Matsia, A. Salifoglou
Department of Chemical Engineering of Aristotle University of Thessaloniki Conference "Research in the Department of Chemical Engineering and the role of Chemical Engineers in modern Chemical Industry"
December 17, 2018, Thessaloniki, Greece
- 74.** Naringin magnetic silica nanoparticles against amyloid-induced oxidative stress
C. M. Nday, G. Jackson, A. Salifoglou
30th International Symposium on the Chemistry of Natural Products and 10th International Symposium on Biodiversity
November 25-29, 2018, Athens, Greece
- 75.** In vitro chrysin nanoparticles primary hippocampal cells protection under Cu(II) neurodegeneration conditions
C. M. Nday, G. Jackson, A. Salifoglou
30th International Symposium on the Chemistry of Natural Products and 10th International Symposium on Biodiversity
November 25-29, 2018, Athens, Greece
- 76.** Magnetic nano-formulations for drug delivery applications of natural polyphenol-metal complexes against cancer
E. Halevas, M. Pelecanou, M. Sagnou, B. Mavroidi, A. Pantazaki, A. Hatzidimitriou, G. Katsipis, T. Lialiaris, D. Chronopoulos, A. Salifoglou, G. Litsardakis
30th International Symposium on the Chemistry of Natural Products and 10th International Symposium on Biodiversity
November 25-29, 2018, Athens, Greece

- 77.** A newly-synthesized vanadium(IV)-curcumin complex as a potential inhibitor of bacterial alkaline phosphatase and its role in biofilm formation
V. Tsalouchidou, G. Katsipis, E. Halevas, A. Salifoglou, G. Litsardakis, A. Pantazaki
69th Panhellenic Conference of the Hellenic Society for Biochemistry and Molecular Biology
November 23-25, 2018, Larissa, Greece
- 78.** Biological evaluation of a novel complex V(IV) based on curcumin, as a potential anti-fungal, anti-radical and anti-amyloid agent.
G. Katsipis, E. Halevas, M. Karagkiaouri, G. Litsardakis, A. Salifoglou, A. Pantazaki
69th Panhellenic Conference of the Hellenic Society for Biochemistry and Molecular Biology
November 23-25, 2018, Larissa, Greece
- 79.** A novel curcumin-based V(IV) complex and its interaction studies with bovine serum albumin and DNA
D. Avgoulas, E. Halevas, G. Katsipis, A. Salifoglou, G. Litsardakis, G. Geromichalos, A. Pantazaki
69th Panhellenic Conference of the Hellenic Society for Biochemistry and Molecular Biology
November 23-25, 2018, Larissa, Greece
- 80.** In silico study of the biological activity of a unique ternary Ce(III)-quercetin-phenanthroline complex.
E. Halevas, T. A. Papadopoulos, C. Swanson, G. C. Smith, A. Hatzidimitriou, G. Katsipis, A. Pantazaki, G. Litsardakis, A. Salifoglou, G. D. Geromichalos
H.Bioinfo - Hellenic Bioinformatics 11, TCH Thessaloniki
November 15-18, 2018, Thessaloniki, Greece
- 81.** Signals as vehicles in the assessment of metal-induced cellular pathophysiology. Theoretical and experimental correlations linked to holistic processing and diagnostic tools in disease.
O. Tsave, A. Salifoglou, I. Chouvarda
2nd Conference of the European Association of Systems Medicine (EASyM)
November 7 – 9, 2018, Muntgebouw, Utrecht, The Netherlands
- 82.** Rare-earth zirconates (Ln₂Zr₂O₇): synthesis and characterization
M. Menelaou, D. Jech, P. Komarov, L. Dyčková, M. Remešová, O. Man, J. Michalička, L. Čelko, A. Salifoglou, I. Arvanitidis
7th EuCheMS Chemistry Congress
August 26-30, 2018, Liverpool, United Kingdom
- 83.** Design, synthesis, characterization and toxicity, anti-inflammatory anti-oxidant effect studies of hybrid metalloflavonoid complexes, encapsulated in surface-modified magnetic dendrimer nano-carriers, targeting neuroprotective pharmaceutical nanobiotechnology
E. Halevas, N. Pantazaki, A. Salifoglou, G. Litsardakis
8th NANOTECHNOLOGY EXPO 2018
International Conference on Nanosciences & Nanotechnologies NN18

Organic Electronics & Nanomedicine
Porto Palace Conference Centre & Hotel
July 2-6, 2018, Thessaloniki, Greece

- 84.** Chemical And Biological Investigation Of Boron With Physiological Substrates
S. Matsia, O. Tsave, A. Salifoglou
New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection” 11th Edition
Romanian Academy – Timisoara Branch
Institute of Chemistry Timisoara of the Romanian Academy
Politehnica University of Timisoara
Faculty of Industrial Chemistry and Environmental Engineering
June 28-29, 2018, Timișoara, Romania
- 85.** Design, Synthesis and Physicochemical Characterization of Binary Cadmium-Quinic Acid System. In Vitro Cytotoxicity and Cytoprotection Assessment
O. Tsave, A. Iordanidou, A. Salifoglou
New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection” 11th Edition
Romanian Academy – Timisoara Branch
Institute of Chemistry Timisoara of the Romanian Academy
Politehnica University of Timisoara
Faculty of Industrial Chemistry and Environmental Engineering
June 28-29, 2018, Timișoara, Romania
- 86.** Zn(II) vs. V(IV)-Citrate Adipogenic Activity Through Related Metallogenetic Interactions
O. Tsave, M. P. Yavropoulou, J. G. Yovos, A. Salifoglou
New trends and strategies in the chemistry of advanced materials with relevance in biological systems, technique and environmental protection” 11th Edition
Romanian Academy – Timisoara Branch
Institute of Chemistry Timisoara of the Romanian Academy
Politehnica University of Timisoara
Faculty of Industrial Chemistry and Environmental Engineering
June 28-29, 2018, Timișoara, Romania
- 87.** TGF- β /Smad signaling regulation by vanadium
S. Petanidis, E. Kioseoglou, D. Anestakis, A. Moustakas, J. Carthy, A. Salifoglou
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- 168.** Vanadium reduces autophagy and inhibits metastatic niche by induction of trail-induced apoptosis in cancer cells
S. Petanidis, E. Kioseoglou, D. Anastakis, M. Hadzopoulou-Cladaras, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 169.** Quercetin encapsulation in magnetic silica nanoparticles targeting in vivo applications
C. M. NDay, E. Halevas, S. Laurent, G. Jackson, G. Litsardakis, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 170.** Boron chemistry with physiological ligands. A chemical and biological investigation
O. Tsave, S. Matsia, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 171.** Assessment of Cr(III) adipogenicity. A molecular approach linking metal-induced enhancement of insulin mimesis in Diabetes Mellitus II
O. Tsave, M. P. Yavropoulou, M. Kafantari, C. Gabriel, J. G. Yovos, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 172.** Investigation of the aqueous chemistry of Ln(III)-MOFs with glutaric acid
C. Gabriel, R. Tekidou, A. Salifoglou

New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania

- 173.** New MOF materials of Pb(II) with dicarboxylic acids
C. Gabriel, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 174.** Vanadium nanocarriers for potential antioxidant and antiradical activity
E. Halevas, C. M. NDay, D. Eleftheriadou, G. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 175.** Hybrid binary and ternary Cd(II)-(α-hydroxycarboxylic acid) systems involving n-donor chelators. link to heavy metal toxicity
A. Iordanidou, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 176.** In vitro evaluation of the adipogenic capacity of V(V)-Schiff base complexes in 3T3-L1 pre-adipocytes
O. Tsave, E. Halevas, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania
- 177.** A Novel Bacteria-Based Broadcast System Exploiting Chemotaxis
S. Mavridopoulos, P. Nicopolitidis, O. Tsave, A. Salifoglou, I. P. Vlahavas
3rd ACM International Conference on Nanoscale Computing and Communication 2016
September 28-30, 2016, New York City, New York, USA.
- 178.** Synthesis and physicochemical properties of bis-peroxido-zwitterion-vanadium materials as potential catalysts in organic substrate oxidation
E. Kioseoglou, A. Salifoglou, S. Petanidis
GDCh-Wissenschaftsforum Chemie 2015
August 30-September 9, 2015, Dresden, Germany
- 179.** Flavonoid protection nanotechnology against metal-induced neurodegeneration in Alzheimer's disease
C. Muswamba-Nday, E. Halevas, G. E. Jackson, A. Salifoglou
GDCh-Wissenschaftsforum Chemie 2015

August 30-September 9, 2015, Dresden, Germany

- 180.** Vanadium reduces autophagic flux and inhibits epithelial-mesenchymal transition by triggering TRAIL-induced apoptosis in cancer cells.
E. Kioseoglou, A. Salifoglou, S. Petanidis, D. Anestakis, M. Hadzopoulou-Cladaras
GDCh-Wissenschaftsforum Chemie 2015
August 30-September 9, 2015, Dresden, Germany
- 181.** Investigation of the chemistry of lanthanides based materials Ln(III)-MOFs with dicarboxylic acids
C. Gabriel, R. Tekidou, A. Salifoglou
International Symposium On Metal Complexes (ISMEC2015)
University of Wroclaw
June 24-28, 2015, Wrocław, Poland
- 182.** Synthetic study of binary and ternary Ti(IV)-H₂O₂-(hydroxycarboxylate) systems in water. Correlation with hybrid prosthetic biomaterials.
C. Iordanidou, A. Salifoglou
International Symposium On Metal Complexes (ISMEC2015)
University of Wroclaw
June 24-28, 2015, Wrocław, Poland
- 183.** Metal-Organic-Framework materials of Pb(II) with (di)tricarboxylate ligands
C. Gabriel, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 184.** Novel binary Bi(III) complexes as antimicrobial agents
E. Halevas, C.M. Nday, G.E. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 185.** Chromium(III) insulin-enhancing capacity in Diabetes mellitus
O. Tsave, C. Gabriel, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 186.** Binary V(V)-Schiff base compounds in insulin mimesis
O. Tsave, M.P. Yavropoulou, G. Yovos, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection

The 8th Edition of symposium with international participation
Romanian Academy of Sciences
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- 187.** Binary and ternary hybrid Ti(IV) materials with hydroxycarboxylic acids. Link to biomaterials in prostheses
C. Iordanidou, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 188.** Sol-gel encapsulation of flavonoids in neurodegenerative processes
E. Halevas, C.M. Nday, G.E. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 189.** Development of vanadium-peroxido-zwitterion compounds in catalysis of industrial importance
E. Kioseoglou, S. Petanidis, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 190.** Modified zinc agents in search of antibacterial nanotechnology
C.M. Nday, E. Halevas, G.E. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 191.** Vanadium selectivity in cancer cell therapeutic approaches
S. Petanidis, E. Kioseoglou, D. Anestakis, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 192.** Quercetin nanoparticles countering neurodegenerative effects in Alzheimer's disease
C.M. Nday, E. Halevas, G.E. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection

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Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania

- 193.** Regulation of TGF- β /Smad signaling by vanadium species
S. Petanidis, E. Kioseoglou, D. Anestakis, A. Moustakas, J. Carthy, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 194.** Zinc-induced adipogenicity relevant to Diabetes mellitus II
O. Tsave, M.P. Yavropoulou, G. Yovos, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timișoara, Romania
- 195.** Development of vanadium-peroxido materials with zwitterionic ligands in olefin epoxidation catalysis of industrial significance
E. Kioseoglou, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
- 196.** Development of neuroprotective technology against metal-induced oxidative stress in Alzheimer's neurodegeneration.
O. Tsave, C.D. Aslanidis, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
- 197.** Structure-dependent biological activity of binary complex vanadoforms in the development of molecular pharmaceutical technology in Diabetes mellitus
O. Tsave, M. Kafantari, M.P. Yavropoulou, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
- 198.** Flavonoid encapsulation approaches in the development of antioxidant nanotechnology
E. Halevas, C.M. Nday, G.E. Jackson, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
- 199.** New binary and ternary materials of Ti(IV) with (hydroxy)carboxylic acids. Correlation with biological activity
C. Iordanidou, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece

- 200.** Zinc-based advanced materials in the development of antibacterial technology
C.M. Nday, E. Halevas, S. Meringi, G.E. Jackson, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
- 201.** Hybrid nanotechnology of antioxidant protection against Alzheimer's neurodegeneration
C.M. Nday, G.E. Jackson, E. Halevas, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
- 202.** Synthesis, physicochemical properties and antimicrobial evaluation of binary hybrid Bi(III) materials
C.M. Moisdou, E. Halevas, C.M. Nday, A. Salifoglou
10th Panhellenic Chemical Engineering Scientific Conference
June 4-6, 2015, Patras, Greece
- 203.** Physicochemical and bacteriocidal investigation of novel binary Bi(III) complexes
E. Halevas, C.M. Nday, G. Jackson, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 28-29, 2015, Timisoara, Romania
- 204.** Antimicrobial properties of novel hybrid zinc-containing nanomaterials
C.M. Nday, E. Halevas, G. Jackson, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 28-29, 2015, Timisoara, Romania
- 205.** In vitro assessment of copper-induced neurotoxic effect on neuronal primary cultures and neuroprotective potential of antioxidant and chelating agents. Correlation to neurodegenerative processes
O. Tsave, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 28-29, 2015, Timisoara, Romania
- 206.** Syntheses, isolation and physicochemical characterization of a new material between Cu(II) and O-, N- ligands
C. Gabriel, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara

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- 207.** Epoxidation of olefins by ternary vanadium-oxo-peroxido-betaine compounds
E. Kioseoglou, S. Petanidis, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 28-29, 2015, Timisoara, Romania
- 208.** Advances in flavonoid nano-carriers as potential neuroprotectants
E. Halevas, C.M. Nday, G. Jackson, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 28-29, 2015, Timisoara, Romania
- 209.** Quercetin nanoparticles support survival of hippocampal cells under oxidative stress
C.M. Nday, E. Halevas, G. Jackson, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 28-29, 2015, Timisoara, Romania
- 210.** Amino acid-oxo-peroxido-vanadate materials and their chemistry in industrial and biological catalysis
E. Kioseoglou, S. Petanidis, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 28-29, 2015, Timisoara, Romania
- 211.** Studies of the aqueous chemistry of zinc with Schiff base substrates. Links to Diabetes mellitus type 2
O. Tsave, C. Gabriel, A. Salifoglou
The 6th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine
"King Michael I of Romania" from Timisoara
May 28-29, 2015, Timisoara, Romania
- 212.** Antioxidant defense and neuroprotection in Alzheimer's neurodegeneration.
9th Panhellenic Conference on Alzheimer's Disease & 1st Mediterranean on Neurodegenerative Diseases
O. Tsave, A. Salifoglou
May 14-17, 2015, Thessaloniki, Greece

- 213.** Metal-induced oxidative stress and neuroprotection in Alzheimer's neurodegeneration
9th Panhellenic Conference on Alzheimer's Disease & 1st Mediterranean on Neurodegenerative Diseases
O. Tsave, C. D. Aslanidis, A. Salifoglou
May 14-17, 2015, Thessaloniki, Greece
- 214.** Optimization of flavonoid forms in the development of antioxidant nanotechnology
9th Panhellenic Conference on Alzheimer's Disease & 1st Mediterranean on Neurodegenerative Diseases
E. Halevas, C.M. Nday, G. Jackson, A. Salifoglou
May 14-17, 2015, Thessaloniki, Greece
- 215.** New materials of Pb(II) with aliphatic and cyclic tetracarboxylic ligands
C. Gabriel, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 216.** Hybrid materials of Ti(IV) with (hydroxyl)carboxylic acids. Biological activity correlations
C. Iordanidou, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 217.** Ternary vanadium-peroxido-betaine complexes and investigation of their catalytic activity
E. Kioseoglou, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 218.** Molecular approaches in the chemistry of copper during neurodegeneration in Alzheimer's disease
O. Tsave, C.D. Aslanidis, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 219.** Ternary vanadium-peroxido-sarcosine materials and their chemistry in industrial and biological catalysis
E. Kioseoglou, S. Petanidis, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 220.** Flavonoid antioxidant nanotechnology in neurodegenerative diseases
E. Halevas, C.M. Nday, G. Jackson, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 221.** Vanadium metallopharmaceutical technology in Diabetes mellitus
M. Kafantari, O. Tsave, M.P. Yavropoulou, A. Salifoglou
12th Greece-Cyprus Chemistry Conference

May 8-10, 2015, Thessaloniki, Greece

- 222.** Cadmium regulation of H-ras expression and apoptosis in epithelial MCF-7 cancer cells
S. Petanidis, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 223.** Inhibition of TGF- β /Smad signaling pathway during epithelial to mesenchymal transition by vanadium.
S, Petanidis, J. Carthy, E. Kioseoglou, D. Anestakis, A. Moustakas, C.-H. Heldin, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 224.** Binary chromium species influence on insulin-dependent adipogenesis with emphasis on Diabetes mellitus.
O. Tsave, C. Gabriel, A. Salifoglou
12th Greece-Cyprus Chemistry Conference
May 8-10, 2015, Thessaloniki, Greece
- 225.** Zinc-induced differentiation of 3T3-L1 fibroblasts to adipocytes with insulin-mimetic activity
O. Tsave, M. Yavropoulou, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 226.** Development of flavonoid-encapsulated nanoparticles counteracting neurodegeneration
C. M. Nday, E. Halevas, G. E. Jackson, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 227.** Novel sol-gel encapsulated zinc materials as potential antibacterial agents
C. M. Nday, E. Halevas, G. Jackson, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 228.** Novel quercetin loaded silica-nanoparticles against Cu(II)-linked neurodegeneration in Alzheimer's disease
C. M. Nday, E. Halevas, G. Jackson, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 229.** Assessment of copper cytotoxicity and metal chelator neuroprotection in primary hippocampal cells
O. Tsave, C. D. Aslanides, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece

- 230.** Assessment of insulin-mimetic effect of Schiff-base vanadium complexes in relevance to Diabetes II
O. Tsave, M. Kafantari, M. Yavropoulou, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 231.** Vanadium downregulates autophagy through induction of TRAIL-induced apoptosis in cancer cells
S. Petanidis, E. Kioseoglou, D. Anestakis, M. Hadzopoulou-Cladaras, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 232.** Regulation of TGF- β /Smad signaling pathway by vanadium species
S. Petanidis, E. Kioseoglou, D. Anestakis, A. Moustakas, J. Carthy, A. Salifoglou
65th Congress of the Hellenic Society of Biochemistry and Molecular Biology
November 28-30, 2014, Thessaloniki, Greece
- 233.** “pH-Specific structural speciation studies in biologically relevant binary Cr(III)-hydroxycarboxylic acid systems”
C. Gabriel, A. Salifoglou
12th European Biological Inorganic Chemistry Conference (Eurobic 12)
University of Zürich
August 24-28, Zürich, Switzerland
- 234.** “Magnetic Iron Oxide Silica Coated Nanoparticles doped with Thioflavin-T for beta-amyloid targeting”
A. Tsolakis, L. Chalevas, A. Salifoglou, N. Vouroutzis, G. Litsardakis
NN14 – 11th International Conference on Nanosciences and Nanotechnologies
July 8-11, 2014, Thessaloniki, Greece
- 235.** “Insight into vanadium anticancer action in metastatic processes”
S. Petanidis, E. Kioseoglou, A. Salifoglou
9th International Vanadium Symposium Chemistry, Biological Chemistry & Toxicology
Dipartimento Scienze Chimiche, University of Padova – Italy
Dipartimento di Scienze e Tecnologie Chimiche
University of Roma TorVergata – Italy
June 29-July 2, 2014, Padova, Italy
- 236.** “Encapsulation techniques and targeted delivery of newly developed insulinomimetic vanadium (III,IV,V) and Zinc(II) compounds”
E. Halevas, C. Nday, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania
- 237.** “Al(III) potential mechanism towards Alzheimer’s disease type neurodegenerative phenotypes”

- C. Nday, G. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania
- 238.** “The pH specific synthesis of new Cr(III)-Heida (2-Hydroxyethyliminodiacetic Acid) complexes”
C. Gabriel, C. Mateescu, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania
- 239.** “Synthesis and characterization of novel binary and ternary indium-polycarboxylato compounds”
E. Halevas, S. Hatzispyrou, A. Hadzidimitriou, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania
- 240.** “1D, 2D, and 3D metal–organic frameworks based on phenanthroline ligands and polycarboxylates: syntheses, structures, and photoluminescent properties”
C. Gabriel, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania
- 241.** “Surface modified silica nanoparticles as flavonoid-containing carriers in drug delivery”
E. Halevas, O. Tsave, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania
- 242.** “Interactions of metal ions with genetic factors responsible of Alzheimer’s disease plaques”
C. Nday, G. Jackson, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania
- 243.** “Binary and ternary metal–organic hybrid polymers in aqueous Pb(II)–dicarboxylic acid–(phen) systems”
C. Gabriel, A. Salifoglou

New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania

- 244.** “Synthesis and characterization of novel binary V(IV,V)-Schiff base compounds and in vitro investigation of their insulin mimetic activity”
E. Halevas, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania
- 245.** “Synthesis and characterization of novel zirconium compounds”
E. Halevas, A. Karamelidou, A. Hadzidimitriou, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania
- 246.** “Synthesis, structure and spectral properties of a new Co(III) Schiff-base complex containing piperazine moiety”
C. Cretu, L. Cseh, R. Tudose, A. Salifoglou, O. Costisor
New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
Romanian Academy of Sciences
June 5-6, 2014, Timișoara, Romania
- 247.** “Vanadium suppresses H-ras oncogene and MMP-2 expression by increasing ROS mediated apoptosis”
S. Petanidis, E. Kioseoglou, A. Salifoglou
The 5th International Conference on Food Chemistry, Engineering & Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timisoara
May 29-30, 2014, Timisoara, Romania
- 248.** “Cadmium regulates H-ras Expression and Caspase-3 Apoptotic Cell Death in Breast Cancer Epithelial MCF-7 cells”
S. Petanidis, A. Salifoglou
The 5th International Conference on Food Chemistry, Engineering & Technology
Banat’s University of Agricultural Sciences and Veterinary Medicine
“King Michael I of Romania” from Timisoara
May 29-30, 2014, Timisoara, Romania
- 249.** “Structure lattice-dimensionality correlations in novel binary and ternary materials of Group 13 elements with benzoic acid and phenanthroline”
E. Halevas, A. Hatzidimitriou, A. Salifoglou

- The 5th International Conference on Food Chemistry, Engineering & Technology*
 Banat's University of Agricultural Sciences and Veterinary Medicine
 "King Michael I of Romania" from Timisoara
 May 29-30, 2014, Timisoara, Romania
- 250.** "Synthesis and characterization of novel binary indium-hydroxycarboxylic acid compounds"
 E. Halevas, S. Hatzispyrou, A. Hadzidimitriou, A. Salifoglou
The 5th International Conference on Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine
 "King Michael I of Romania" from Timisoara
 May 29-30, 2014, Timisoara, Romania
- 251.** "Synthesis and characterization of novel binary and ternary indium-polycarboxylato compounds"
 E. Halevas, S. Hatzispyrou, A. Hadzidimitriou, A. Salifoglou
The 5th International Conference on Food Chemistry, Engineering & Technology
 Banat's University of Agricultural Sciences and Veterinary Medicine
 "King Michael I of Romania" from Timisoara
 May 29-30, 2014, Timisoara, Romania
- 252.** "Brain and tissue banking perspectives in Greece"
 D. Anestakis, S. Petanidis, A. Salifoglou, M. Tsolaki
22nd Annual Congress of the European Association of Tissue Banks
 November 20-22, 2013, Brussels, Belgium.
- 253.** "The single-crystal x-ray diffraction analysis of the Schiff base N,N'- bis[3(4-dodecyloxy-benzylideneamino)-propyl]-piperazine and the infrared spectra study on its stability as ligand by complexation reactions"
 C.-M. Bucovicean-Bereczki, L. Cseh, R. Tudose, A. Salifoglou, O. Costisor
13th Edition of Academic Days Timisoara Chemistry Symposium- New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 June 13-14, 2013, Timișoara, Romania
- 254.** "The crystal structures and fluorescence properties of a Schiff base ligand and its novel homo-dinuclear Zn(II) Complex"
 C. Cretu, R. Tudose, L. Cseh, Z. Dudas, A. Salifoglou, O. Costisor
13th Edition of Academic Days Timisoara Chemistry Symposium- New Trends and Strategies in the Chemistry of Advanced Materials with Relevance in Biological Systems, Technique and Environmental Protection
 June 13-14, 2013, Timișoara, Romania
- 255.** "Synthetic and physicochemical approaches in binary and ternary Cu(II)-organophosphonate systems under the influence of heterocyclic aromatic binders."
 V. Georgantas, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology

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May 30-31, 2013, Timișoara, Romania

- 256.** "Synthesis and characterization of novel binary Zn(II)-Schiff base compounds and in vitro investigation of their insulin mimetic activity."
O. Tsave, E. Halevas, M. Yavropoulou, K. Topouridou, E. Yovos, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara
May 30-31, 2013, Timișoara, Romania
- 257.** "Molecular perspectives of hybrid ternary vanadium-peroxido-betaine complexes in diabetes"
E. Kioseoglou, A. Gabriel, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara
May 30-31, 2013, Timișoara, Romania
- 258.** "Design and development of nano-materials in the molecular technology of nitrate removal from environmentally polluted waters."
A. Malakopoulos, E. Chalevas, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara
May 30-31, 2013, Timișoara, Romania
- 259.** "In vitro neurotoxic assessment of Fe(III) and Fe(III)-chelator species on rat hippocampal cells."
C. Nday, O. Tsave, G. Malollari, S. Petanidis, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara
May 30-31, 2013, Timișoara, Romania
- 260.** "The effect of Cadmium H-ras expression and caspase-3 apoptotic cell death in breast cancer epithelial MCF-7 cells."
S. Petanidis, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara
May 30-31, 2013, Timișoara, Romania
- 261.** "In vitro investigation of the neurodegeneration potential of well-defined forms of copper. Correlation to Alzheimer's neurodegenerative processes."
O. Tsave, G. Malollari, K. Agapidis, S. Petanidis, A. Salifoglou
The 4th International Conference on Food Chemistry, Engineering & Technology Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara

May 30-31, 2013, Timișoara, Romania

- 262.** “New ternary vanadium-betaine-peroxido complexes and study of their insulin mimetic and anticancer activity”
E. Kioseoglou, A. Gabriel, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
“The Contribution of Chemical Engineering to Sustainable Development”
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece
- 263.** “Development of vanadodrugs to suppress the H-ras oncogene and the MMP-2 metalloprotein in MCF-7 and A549 cancer cells”.
S. Petanidis, E. Kioseoglou, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
“The Contribution of Chemical Engineering to Sustainable Development”
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece
- 264.** “Synthetic and physicochemical study of binary and ternary organophosphonate species of Cu(II) bearing distinct crystal lattice architecture”
V. Georgantas, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
“The Contribution of Chemical Engineering to Sustainable Development”
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece
- 265.** "Design, synthesis and physicochemical characterization of binary materials of insulin mimetic zinc with Schiff bases bearing a variable number of terminal alcohols".
E. Chalevas, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
“The Contribution of Chemical Engineering to Sustainable Development”
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece
- 266.** "Design and development of nanosized molecular materials in removal technologies of nitrates from environmental waters"
A. Malakopoulos, E. Chalevas, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
“The Contribution of Chemical Engineering to Sustainable Development”
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece
- 267.** Cadmium influences the expression of the H-ras oncogene and the apoptotic cell death through caspase-3 in MCF-7 endothelial breast cancer cells.
S. Petanidis, O. Tsave, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
“The Contribution of Chemical Engineering to Sustainable Development”
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece

- 268.** In vitro investigation of the neurometallotoxin Cu(II) in rat hippocampal cells and linkage association to neurodegenerative pathologies.
O. Tsave, G. Malollari, S. Petanidis, A. Salifoglou
9th Pan-Hellenic Scientific Conference in Chemical Engineering
“The Contribution of Chemical Engineering to Sustainable Development”
National Technical University of Athens (NTUA), Zografou University Campus
May 23-25, 2013, Athens, Greece
- 269.** Study of the oxidative potential of iron in Alzheimer’s degeneration. Turning to molecular chelators of natural origin.
O. Tsave, G. Malollari, C. Nday, S. Petanidis, A. Salifoglou
8^o Panhellenic Conference of Alzheimer’s Disease
February 28-March 3, 2013, Thessaloniki, Greece
- 270.** Copper as a neurometal ion in Alzheimer’s disease degeneration. Mechanistic interactions of neuroprotective merit.
O. Tsave, G. Malollari, S. Petanidis, A. Salifoglou
8^o Panhellenic Conference of Alzheimer’s Disease
February 28-March 3, 2013, Thessaloniki, Greece
- 271.** In vitro assessment of the effects of neurotoxic Fe(III) and Fe(III)-chelator species on rat hippocampal cultures
C. Nday, O. Tsave, G. Malollari, S. Petanidis, A. Salifoglou
63rd Pan-Hellenic Congress of Biochemistry and Molecular Biology
November 9-11, 2012, Heraklion, Greece
- 272.** Peroxidation of vanadium suppresses H-ras oncogene and MMP-2 expression by increasing ROS-mediated apoptosis
S. Petanidis, E. Kioseoglou, A. Salifoglou
63rd Pan-Hellenic Congress of Biochemistry and Molecular Biology
November 9-11, 2012, Heraklion, Greece
- 273.** Molecular interactions of novel vanadium(V)-betaine-tetraperoxido species with the H-ras oncogene in human lung adenocarcinoma A549 cells
E. Kioseoglou, S. Petanidis, A. Salifoglou
63rd Pan-Hellenic Congress of Biochemistry and Molecular Biology
November 9-11, 2012, Heraklion, Greece
- 274.** Cysteine cathepsins in colorectal in colorectal cancer
D. Anestakis, M. Argyraki, S. Petanidis, A. Salifoglou, Z. Iakovidou-Kritsi
63rd Pan-Hellenic Congress of Biochemistry and Molecular Biology
November 9-11, 2012, Heraklion, Greece
- 275.** “Mesoporous silica coated by manganese oxychloride – surface modification targeting removal of nitrates from water”
A. Malakopoulos, E. Halevas, A. Delimitis, V. Zaspalis, G. Litsardakis and A. Salifoglou
9th International Conference on Nanosciences & Nanotechnologies (NN12)
3-6 July 2012, Thessaloniki, Greece.

- 276.** “Metal organic framework compounds of lead(II) with O-, and N-, substrates
C. Gabriel, A. Salifoglou”
The 3rd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timișoara, Romania
- 277.** “Structural speciation in the Binary Cr(III)-Citrate system”
C. Gabriel, C. Mateescu, A. Salifoglou
The 3rd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timișoara, Romania
- 278.** “Monitoring Superoxide Dismutase Activity in freshwater crustacean organisms exposed to the environmental metallotoxin Pb(II). The case of *Daphnia magna*”
P. Peppos, A. Salifoglou, S. Hadjispyrou
The 3rd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timișoara, Romania
- 279.** “The chemistry of the ternary vanadium-peroxido-betaine systems in aqueous media”
E. Kioseoglou, C. Gabriel, A. Salifoglou
The 3rd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timișoara, Romania
- 280.** “The association of carcinogenic metal ions with the minisatellite DNA of H-ras and the impact on the transcription mechanism.”
S. Petanidis, A. Salifoglou
The 3rd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timișoara, Romania
- 281.** “Synthesis of unusual vanadium peroxo materials containing betaine. Correlation of the structure of materials with insulin mimetic activity.”
E. Kioseoglou, K. Gabriel, A. Salifoglou
21st Pan-Hellenic Conference in Chemistry
Session III: Inorganic and Bioinorganic Chemistry
December 9-12, 2011, Thessaloniki, Greece.
- 282.** “Metal-Linked Neurodegenerative Processes in Alzheimer’s Disease. Pathogenetic and Neuroprotective Insights.”
11th International Symposium on Applied Bioinorganic Chemistry (ISABC11)
December 2-5, 2011, Barcelona, Spain.
- 283.** “Synthesis and characterization of 2D metal-organic lattice assemblies between divalent metal ions and D-(-)-quinic acid”
M. Menelaou, V. Georgantas, A. Salifoglou
8th Panhellenic Scientific Conference in Chemical Engineering
May 26-28, 2011, Thessaloniki, Greece

- 284.** “Approaching neurodegenerative disorders through in vitro investigations in hippocampal cell cultures”
A. Savva, C. Nday, A. Salifoglou
8th Panhellenic Scientific Conference in Chemical Engineering
May 26-28, 2011, Thessaloniki, Greece
- 285.** “Interactions of the trivalent metal ion Al(III) with organophosphonate ligands”
B. Georgantas, A. Salifoglou
8th Panhellenic Scientific Conference in Chemical Engineering
May 26-28, 2011, Thessaloniki, Greece
- 286.** “Metal ion interactions with the minisatellite DNA of H-ras oncogene”
S. Petanidis, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania
- 287.** “Hybrid Links between Decavanadates and Betaines of Potential Pharmacological Relevance”
E. Kioseoglou, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania
- 288.** “1D-3D Pb(II)-Organic Lattice Assemblies through Chemical Reactivity and Pb(II)-Assisted Ligand Transformations”
C. Gabriel, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania
- 289.** “D-(-)-Quinic acid: an efficient physiological metal ion ligand”
Melita Menelaou, C. Mateescu, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania
- 290.** “Synthesis, Spectroscopic and Structural Studies of New Binary Cr(III)-Citrate pH-Specific Structural Variants from Aqueous Media”
C. Gabriel, C. Mateescu, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania
- 291.** “Synthesis, structural and spectroscopic characterization of unusual ternary dinuclear tetraperoxo vanadium (V)-glycine complexes”
C. Gabriel, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania

- 292.** “Study of aluminum binary systems with phosphonate substrates and their relevance to neurodegeneration”
V. Georgantas, A. Salifoglou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania
- 293.** “Superoxide Dismutase Activity in the freshwater crustacean *Daphnia magna* exposed to Pb(II)”
P. Peppos, A. Salifoglou, S. Hadjispyrou
The 2nd International Conference on Food Chemistry, Engineering & Technology
May 19-20, 2011, Timișoara, Romania
- 294.** “Association among specific aluminum forms b-amyloid and neuroprotective chelators at the cellular level in Alzheimer disease”
C. Nday, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece
- 295.** “Hybrid links between decavanadates and betaines of pharmacological relevance”
E. Kioseoglou, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece
- 296.** “Study of aluminum interactions with organo-phosphate substrates and their relevance to Alzheimer’s disease”
V. Georgantas, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece
- 297.** “Study on the effects of Biotoxic Metal Ions on the DNA minisatellite downstream of H-Ras Oncogene”
S. Petanidis, C. Nday, A. Savva, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece
- 298.** “Organophosphonate Substrates in the Binding and Characterization of Biotoxic Mercury(II): Crystal structures and photoluminescent properties”
M. Perikli, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
November 3-5, 2010, Thessaloniki, Greece
- 299.** “Cadmium effect on Cu,Zn-SOD activity isolated from *Daphnia magna*”

- S. Hadjispyrou, M. Basiliadou, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
 November 3-5, 2010, Thessaloniki, Greece
- 300.** “Natural product substrate D-(-)-quinic acid interactions with divalent transition metal ions in advanced materials”
 M. Menelaou, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
 November 3-5, 2010, Thessaloniki, Greece
- 301.** “The chemical reactivity of the organophosphate binder N-N-bis(phosphonomethyl)glycine with Co(II). Relevance to hybrid (bio) materials”
 M. Menelaou, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
 November 3-5, 2010, Thessaloniki, Greece
- 302.** “Encapsulation techniques and targeted delivery of newly developed insulinomimetic vanadium (III,IV,V) and zinc(II) compounds”
 L. Halevas, N. Nday, A. Salifoglou
1st International Conference on Advances in Biotechnology-Industrial Microbial Biotechnology (ABIMB2010)
 November 3-5, 2010, Thessaloniki, Greece
- 303.** “The Missing Link of the Ternary V(V)-Citrate-H₂O₂ system”
 C. Gabriel, A. Salifoglou
10th European Biological Inorganic Chemistry Conference
 June 22-26, 2010, Thessaloniki, Greece
- 304.** “The Synthesis, Spectroscopic and Structural Characterization, and Magnetic Properties of New Species in the Aqueous Cr(III)- Heida (2-Hydroxyethyliminodiacetic Acid) System”
 C. Gabriel, A. Salifoglou
10th European Biological Inorganic Chemistry Conference
 June 22-26, 2010, Thessaloniki, Greece
- 305.** “In depth study of the binary Co(II)-phosphonate system”
 M. Menelaou, A. Salifoglou
10th European Biological Inorganic Chemistry Conference
 June 22-26, 2010, Thessaloniki, Greece
- 306.** “Synthesis and characterization of Ni(II)-organophosphonate species”
 M. Menelaou, A. Salifoglou
10th European Biological Inorganic Chemistry Conference
 June 22-26, 2010, Thessaloniki, Greece
- 307.** “Superoxide Dismutase Activity in the Freshwater Crustacean *Daphnia magna* Exposed to Cadmium”

- S. Hadjispyrou, T. Salifoglou and M. Basiliadou
10th European Biological Inorganic Chemistry Conference
 June 22-26, 2010, Thessaloniki, Greece
- 308.** “Acute Phase Effects of Al(III) Compounds on NMDA and VDCC Channels in Neuronal Hippocampal Cell Cultures”
 C. Nday, B. Drever, A. Salifoglou, B. Platt
10th European Biological Inorganic Chemistry Conference
 June 22-26, 2010, Thessaloniki, Greece
- 309.** “Interactions of Alzheimer Disease Risk Factors and Their Effects on Hippocampal Cells in the Presence of Neuroprotective Agents”
 C. Nday, B. Drever, A. Salifoglou, B. Platt
10th European Biological Inorganic Chemistry Conference
 June 22-26, 2010, Thessaloniki, Greece
- 310.** “Association and Molecular Interaction of Biotoxic Metal Ions with the Minisatellite Locus of the H-Ras Oncogene.”
 S. Petanidis, C. Nday, A. Salifoglou
10th European Biological Inorganic Chemistry Conference
 June 22-26, 2010, Thessaloniki, Greece
- 311.** “Polyoxovanadate Clusters with Betaines”
 E. Kioseoglou, A. Salifoglou
10th European Biological Inorganic Chemistry Conference
 June 22-26, 2010, Thessaloniki, Greece
- 312.** “Structural speciation of Co(II) with hydroxy-carboxylate substrates”
 M. Menelaou, C. Mateescu, A. Salifoglou
The 1st International Conference on Food Chemistry, Engineering & Technology
 June 3 – 4, 2010, Timișoara, Romania
- 313.** “In search of bio - metal factor effects on neuronal NMDA and VDCC channel”
 C. Nday, B. Drever, A. Salifoglou, B. Platt
The 1st International Conference on Food Chemistry, Engineering & Technology
 June 3 – 4, 2010, Timișoara, Romania
- 314.** “Neuroprotective effects of chelator agents toward aluminium and A β amyloid peptide interactions in hippocampal cells”
 C. Nday, B. Drever, A. Salifoglou, B. Platt
The 1st International Conference on Food Chemistry, Engineering & Technology
 June 3 – 4, 2010, Timișoara, Romania
- 315.** “Betaine-Polyoxovanadate Cluster Synthesis and Physicochemical Properties”
 E. Kioseoglou, A. Salifoglou
The 1st International Conference on Food Chemistry, Engineering & Technology
 June 3 – 4, 2010, Timișoara, Romania
- 316.** “The pH-specific synthesis of three new Cr(III)-heida (2 -hydroxyethyliminodiacetic acid) complexes”

- C. Gabriel, A. Salifoglou
The 1st International Conference on Food Chemistry, Engineering & Technology
 June 3 – 4, 2010, Timișoara, Romania
- 317.** “A new Vanadium (V)-peroxo species in the presence of citric acid”
 C. Gabriel, A. Salifoglou
The 1st International Conference on Food Chemistry, Engineering & Technology
 June 3 – 4, 2010, Timișoara, Romania
- 318.** “Structural speciation of binary Ni(II)-phosphonate systems”
 M. Menelaou, A. Salifoglou
The 1st International Conference on Food Chemistry, Engineering & Technology
 June 3 – 4, 2010, Timișoara, Romania
- 319.** “Effect of toxic metal ions on the minisatellite DNA of H-RAS and the impact on the transcription mechanism”
 S. Petanidis, C. Nday, A. Salifoglou
The 1st International Conference on Food Chemistry, Engineering & Technology
 June 3 – 4, 2010, Timișoara, Romania
- 320.** “In vitro investigation of neuroprotective effects toward A α and A β amyloid peptide interactions in hippocampal cells”
 C. Nday, A. Salifoglou
25th International Conference of Alzheimer’s Disease International (ADI)
 March 10-13, 2010, Thessaloniki, Greece.
- 321.** “Study of the Binary Systems of Al(III) with Carboxy-Phosphonate Substrates”
 B. Georgantas, A. Salifoglou
*10th Greece-Cyprus Conference
 Chemistry and Sustainable Growth*
 July 2-4, 2009, Heraklion, Greece
- 322.** “Synthesis and Characterization of New Materials of Toxic Pb(II) with Physiological Substrates”
 C. Gabriel, A. Salifoglou
*10th Greece-Cyprus Conference
 Chemistry and Sustainable Growth*
 July 2-4, 2009, Heraklion, Greece
- 323.** “The Chemistry of Cd(II) with Biological Molecules of Low Molecular Mass. Synthesis and Characterization of New Cd(II)-Hydroxy-Isobutyric Acid Complexes”
 P. Panagiotidis, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
 3-5 June, 2009, Patras, Greece
- 324.** “Studies of Aqueous Speciation of the Binary System Al(III)-(1-Hydroxy-ethylidene-1,1-diphosphonic Acid)”
 B. Georgantas, A. Salifoglou, T. Kiss
7th Panhellenic Scientific Conference in Chemical Engineering
 3-5 June, 2009, Patras, Greece

- 325.** “Synthesis and Characterization of New Materials of Toxic Pb(II) with Aliphatic and Cyclic Tetracarboxylic Substrates”
C. Gabriel, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
- 326.** “Understanding the Metallochemistry of Cobalt and Nickel with Phosphonate Substrates”
M. Menelaou, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
- 327.** “The Aqueous Synthetic Chemistry of Toxic Pb(II) with Fumaric Acid”
C. Gabriel, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
- 328.** “A Study of the Chemistry of Ni(II) with a Synthetic Organophosphonate Substrate”
M. Menelaou, P. Vamvourelis, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
- 329.** “Interaction of between an Environmental and a Genetic Factor in Alzheimer’s Dementia. Toxicity Consequences in the Viability and Morphological Changes of Hippocampal Cell Cultures”
Christiane Nday, A. Salifoglou
7th Panhellenic Scientific Conference in Chemical Engineering
3-5 June, 2009, Patras, Greece
- 330.** “Synthesis, Structural and Spectroscopic Studies of two New Cd(II)-Methyl Lactate Complexes in Aqueous Solution”
P. Panagiotidis, A. Salifoglou
Food Sciences, Processes and Technologies
New Trends in Food Safety and Processing
Banat’s University of Agricultural Sciences and Veterinary Medicine
Faculty of Food Processing Technology
May 27-29, 2009, Timisoara, Romania
- 331.** “Aqueous Chemistry of Al(III) with carboxy-Phosphonate and Phosphonate Substrates”
B. Georgantas, A. Salifoglou
Food Sciences, Processes and Technologies
New Trends in Food Safety and Processing
Banat’s University of Agricultural Sciences and Veterinary Medicine
Faculty of Food Processing Technology
May 27-29, 2009, Timisoara, Romania
- 332.** “Differential Toxicity of Dietary Al(III) Forms in the presence or Absence of Amyloid Peptide on Cell Viability and Synaptogenesis”

- C. Nday, B. Drever, B. Platt, A. Salifoglou
Food Sciences, Processes and Technologies
New Trends in Food Safety and Processing
 Banat's University of Agricultural Sciences and Veterinary Medicine
 Faculty of Food Processing Technology
 May 27-29, 2009, Timisoara, Romania
- 333.** "Investigation of the Aqueous Chemistry of Pb(II) with O- and N-Substrates"
 C. Gabriel, A. Salifoglou
Food Sciences, Processes and Technologies
New Trends in Food Safety and Processing
 Banat's University of Agricultural Sciences and Veterinary Medicine
 Faculty of Food Processing Technology
 May 27-29, 2009, Timisoara, Romania
- 334.** "Structural Speciation of the Binary Co(II)-Phosphonate System"
 Melita Menelaou, Anca Mateescu, A. Salifoglou
Food Sciences, Processes and Technologies
New Trends in Food Safety and Processing
 Banat's University of Agricultural Sciences and Veterinary Medicine
 Faculty of Food Processing Technology
 May 27-29, 2009, Timisoara, Romania
- 335.** "Interactions Between Al(III) and Phosphonate-Carboxylate Substrates Relevant to Alzheimer's Disease"
 B. Georgantas, A. Salifoglou
The Eighth Keele Meeting on Aluminium
 21-25 February, 2009, Trest, Czech Republic
- 336.** "Study of the Specific Risk Factors, A β (1-40) Amyloid Peptide and the Biotoxic Forms of Al(III), in the Pathogenesis of Alzheimer's Disease."
 C. Nday, S. Petanidis, A. Salifoglou
6th Panhellenic Conference on Alzheimer's Disease and Related Disorders
 Grand Hotel
 February 19-22, 2009, Thessaloniki, Greece
- 337.** "In Vitro Investigation of Individual and Combined Exposure of the Risk Factors A β Amyloid Peptide and Biotoxic Aluminium to Hippocampal Cells"
 C. Nday, B. Drever, B. Platt, A. Salifoglou
22nd Conference of the Hellenic Society for Neuroscience
 "From Cells to Behaviour"
 Eugenidis Foundation
 October 16-19, 2008, Athens, Greece
- 338.** "Synthetic Approaches in the Aqueous Structural Speciation of Binary Cr(III)-Hydroxycarboxylate System"
 A. Salifoglou, C. Gabriel
9th European Biological Inorganic Chemistry Conference – EUROBIC9
 September 2-6, 2008, Wroclaw, Poland

- 339.** “A new vanadium(V)-peroxo species in the presence of physiological citrate. The missing link in the structural speciation of the V(V)-peroxo-citrate system.”
A. Salifoglou, C. Gabriel
6th International Vanadium Symposium
July 17-19, 2008, Lisbon, Portugal
- 340.** “A New 1-D Open-Channeled 3-D Supramolecular Self-Assembled Framework”
D. Diatsigos, A. Salifoglou
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania
- 341.** “Aqueous Synthetic Chemistry of Pb(II) with Dicarboxylic Acids”
C. Gabriel, A. Salifoglou
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania
- 342.** “New Cr(III)-heida (2-hydroxyethyliminodiacetic acid) Complexes”
C. Gabriel, A. Salifoglou
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania
- 343.** “The Synthesis, Isolation and Spectroscopic Characterization of a New Cu(II)-Tetraphosphonate Complex”
D. Diatsigos, A. Salifoglou
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania
- 344.** “Synthesis, Structural and Spectroscopic Characterization of a New Cd(II)-Methyl Lactate Complex in Aqueous Solution”
P. Panagiotidis, A. Salifoglou
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania
- 345.** “Investigation of Aluminum Aqueous Chemistry with Organophosphate Ligands”
V. Georgantas, M. Menelaou, A. Salifoglou
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania
- 346.** “Synthesis and Characterization of a New Cu(II)-Carboxylate Complex from Aqueous Media”
A. Konstantopai, A. Salifoglou

New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania

- 347.** “Investigation of Co(II)-Hydroxycarboxylate Interactions in Aqueous Solutions”
M. Menelaou, A. Konstantopai, C. Mateescu, A. Salifoglou
New Trends in Food Safety and Processing Symposium
Banat University of Agricultural Sciences and Veterinary Medicine
May 15-16, 2008, Timisoara, Romania
- 348.** “The Synthesis, Spectroscopic and Structural Characterization of a New Ni(II)-hydroxycarboxylate Complex in Association with the Aqueous Speciation of the Binary System”
C. Mateescu, A. Salifoglou
New Trends and Strategies in the Chemistry of Advanced Materials with relevance to Biological Systems, Techniques and Environmental Protection
Institute of Chemistry
Romanian Academy of Sciences, Branch Timisoara
November 8-9, 2007, Timisoara, Romania.
- 349.** “Al(III) toxicity on neuronal and glial cells through N-methyl-D-aspartic acid receptors”
C. Nday, A. J. Drysdale, B. Platt, A. Salifoglou
4th International Symposium on Alzheimer’s Disease and Related Disorders in the Middle East
October 26-28, 2007, Athens, Greece
- 350.** “Aqueous Cr(III)-Citrate Speciation. Complexes Relevant to Chromium Toxicity”
C. Gabriel, C. Mateescu, A. Salifoglou
FIGIPAS 9 Meeting in Inorganic Chemistry (PO-11)
July 4-7, 2007, Vienna, Austria
- 351.** “Chromium Toxicity with (O,N)-containing Organic Substrates at the Molecular Level”
C. Gabriel, C. Mateescu, A. Salifoglou
FIGIPAS 9 Meeting in Inorganic Chemistry (PO-12)
July 4-7, 2007, Vienna, Austria
- 352.** “The Investigation of the Binary System Fe(III)-Quinic Acid. Potential Bioavailable Forms of Fe(III)”
M. Menelaou, C. Mateescu, A. Salifoglou
FIGIPAS 9 Meeting in Inorganic Chemistry (PO-13)
July 4-7, 2007, Vienna, Austria
- 353.** “Probing the Structural Speciation of Binary Systems of Ni(II) with Physiological Substrates”
M. Menelaou, C. Mateescu, A. Salifoglou
FIGIPAS 9 Meeting in Inorganic Chemistry (PO-14)

July 4-7, 2007, Vienna, Austria

- 354.** “Synthetic Approaches toward the Toxicity of Cr(III) with Biomimetic Substrates of Organic Nature”
C. Gabriel, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering
Volume A, p. 337-340
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece
- 355.** “Synthetic Investigation of the Interaction of Cr(III) with Quinic Acid in Aqueous Media. The Molecular Chemistry of an Environmental Metallotoxin”
C. Gabriel, B. Georgantas, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering
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- 356.** “The Chemistry of Cd(II) with Biological Molecules of Low Molecular Mass. Synthetic, Structural and Spectroscopic Studies of the Cd(III)-hydroxyisobutyric acid Complex”
P. Panagiotidis, A. Salifoglou, J. Kyllindris
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- 357.** “Study of the Development of the Aqueous Chemistry of Co(II) with Phosphonate Substrates. Synthesis, Structural and Spectroscopic Studies”
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- 358.** “The Chemistry of Ti(IV) in Ternary Systems Containing H₂O₂. Synthetic, Structural and Spectroscopic Studies of the Ti(IV)-peroxo-citrate in Aqueous Solutions”
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- 359.** “Understanding the Metallobiochemistry of Co(II) through the Structural Speciation of the Binary System Co(II)-Quinic Acid”
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- 360.** “Study of the Pleiotropic Toxicity of Synthetic Binary Compounds of Vanadium and Cadmium with Citric Acid in Mice”

- A. Stergiadis, C. Nday, J. Lazaridis, A. Georgiou, E.-N. Emmanouil-Nikoloussi, H. Frangou-Masourides, A. Salifoglou
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- 361.** “Study of the Interaction of the Metal ion Al(III) with Neuronal NMDA Receptors and Association with the Neurodegenerative Processes of the Alzheimer Type”
 C. Nday, A. Salifoglou, A. J. Drysdale, B. Platt
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- 362.** “Progressive Loss of Hippocampal Cultures from Crystalline Compounds of Metal Ions as a Cause to Neurological Diseases like Alzheimer.”
 C. Nday, A.J. Drysdale, B. Platt, A. Salifoglou
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- 363.** “Synthesis and Characterization of Two New Co(II)-Quinate Complex Forms from Aqueous Solutions. Correlation with the Biological Co(II) Speciation”
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- 364.** “The Synthesis, Isolation and Spectroscopic Characterization of a new Ni(II)-Hydroxycarboxylate Complex. Steps toward Understanding of Ni(II) Toxicity”
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- 365.** “Investigation of the Aqueous Binary System Al(III)-Organophosphate Ligand. Relevance to Al(III) Biototoxicity”
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- 366.** “Investigation of Neurotoxic Effects of Al(III) on Neuronal and Glial Cells Through N-Methyl D-Aspartic Acid Receptors”
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- 367.** “Progressive Loss of Hippocampal Cells by Exposure to Al(III) Compounds. Emphasis on Alzheimer Disease”
Christiane Nday, Alison J. Drysdale, Bettina Platt, A. Salifoglou.
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- 368.** Aqueous Studies of The Binary Cr(III)-Citrate System
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Banat University of Agricultural Sciences and Veterinary Medicine
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- 369.** Aqueous Synthetic Chemistry of Vanadium(V) with Citrate
Catherine Gabriel, A. Salifoglou
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- 370.** Study of The Interaction of The Neurotoxin Al(III) With Quinic Acid
Catherine Gabriel, Melita Menelaou, Athanasios Salifoglou
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- 371.** “The Role of Neuronal Receptors N-Methyl-D-Aspartic Acid Toward Metallotoxic Effects of Al(III)”
Christiane Nday, A. J. Drysdale, B. Platt, A. Salifoglou
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- 372.** “Neuroprotective Effects of Two New Crystalline Compounds of Al(III) on Neuronal Cells”
Christiane Nday, A. J. Drysdale, B. Platt, A. Salifoglou
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- 373.** “Study of the Interaction of Neurotoxic Al(III) with the Organophosphonic Substrate NTAP”
M. Menelaou, K. Gabriel, A. Salifoglou
9th Greece-Cyprus Conference
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- 374.** “Synthesis, Isolation and Physicochemical Characterization of New Crystalline Compounds of Co(II) With Quinic Acid”
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- 375.** “The Neuroprotective Action of Quinic Acid Toward Toxicity Effects of Al(III)”
J. Lazaridis, A. Stergiadi, Bettina Platt, A. Salifoglou.
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- 376.** “The Neuroprotective Action of Quinic Acid and the Mesylate Salt of Desferrioxamine (DFO) in the Toxicity of Al(III)”
J. Lazaridis, B. Drever, Alison J. Drysdale, Bettina Platt, A. Salifoglou.
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- 377.** “Synthesis, Isolation and Characterization of a New Ternary Compound of Vanadium V(V) with Citric Acid in the Presence of Hydrogen Peroxide”
C. Gabriel, A. Salifoglou
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- 378.** “Synthetic Approaches in the Structural Speciation of Neurotoxic Al(III) with Quinic Acid”
C. Gabriel, M. Menelaou, A. Salifoglou
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- 379.** “Synthetic, Structural and Spectroscopic Studies of Ternary Systems of Ti(IV)-H₂O₂-Citric Acid in Aqueous Solution”
P. Panagiotidis, A. Salifoglou
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- 380.** “The role of the aqueous chemistry of biotoxic aluminum in the presence of quinic acid in neurodegeneration”
C. Gabriel, M. Menelaou, A. Salifoglou
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- 381.** “The metallotoxicity of Al(III) and the neuroprotective effect of quinic acid”
J. Lazaridis, A. Stergiadi, A. Salifoglou, B. Platt
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- 382.** “Correlation of Al(III) toxicity with Alzheimer’s type neurodegenerative diseases”
C. Nday, A. J. Drysdale, A. Salifoglou, B. Platt
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- 383.** “Correlation of neurotoxic Al(III) with the action of NMDA receptors in neuronal cells”
C. Nday, A. J. Drysdale, A. Salifoglou, B. Platt
5th National Conference in Alzheimer’s Disease and Related Disorders
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- 384.** “The neuroprotective action of quinic acid and DFO in the metallotoxicity of Al(III) in Alzheimer’s disease”
J. Lazaridis, B. Drever, A. J. Drysdale, A. Salifoglou, B. Platt
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- 385.** “Synthesis and Characterization of a New Cd(II)-Glycylglycine Complex. Aqueous Cd(II)-Glycylglycine Speciation Studies”
P. Panagiotidis, C. Mateescu, A. Salifoglou
New Trends in Food Safety and Food Technology
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- 386.** “Synthesis, Structural and Spectroscopic Characterization of a New Cr(III)-Citrate Complex. Relevance to Chromium Toxicity”
Catherine Gabriel, C. Mateescu, A. Salifoglou
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- 387.** “Synthesis, Structural, Spectroscopic and Magnetic Susceptibility Studies of a Cr(III)-HEIDA (2-Hydroxyethyliminodiacetic Acid) Complex”
Catherine Gabriel, A. Salifoglou
New Trends in Food Safety and Food Technology
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- 388.** “Synthesis, Structural and Spectroscopic Characterization of a New Cr(III)-Quinic Complex. Relevance to Aqueous Toxicity of Chromium”
Catherine Gabriel, C. Mateescu, A. Salifoglou
New Trends in Food Safety and Food Technology
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- 389.** “Synthesis and Characterization of a New Ni(II)-Quinate Complex from Aqueous Solutions. From the Aqueous Speciation to Ni(II) Toxicity”
Melita Menelaou, A. Salifoglou
New Trends in Food Safety and Food Technology
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- 390.** “Probing the synthesis, isolation and characterization of the ternary vanadium(V)-peroxo-citrate system”

C. Gabriel, M. Kaliva, A. Salifoglou
5th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2005, Athens, Greece

- 391.** “Delving into the structural and spectroscopic investigation of the binary Ti(IV)-citrate system”
P. Panagiotidis, E. Kefalas, A. Salifoglou
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- 392.** “Inorganic-Organic hybrid aqueous chemistry in the binary Mn(II)-quinic acid system”
M. Menelaou, A. Salifoglou
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- 393.** “Growth of aqueous chemistry of environmental metallotoxin Hg(II) with biomimetic phosphonic substrates”
J. Mpounias, A. Salifoglou
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- 394.** “The synthetic chemistry of Vanadium V(V) with citric acid in the presence of hydrogen peroxide”
C. Gabriel, M. Kaliva, A. Salifoglou
20^o Pan-Hellenic Chemistry Conference
“Chemistry: Education, Research and Implementation”
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- 395.** “The synthetic chemistry of manganese Mn(II) with quinic acid”
M. Menelaou, A. Salifoglou
20^o Pan-Hellenic Chemistry Conference
“Chemistry: Education, Research and Implementation”
September 20-24, 2005, Ioannina, Greece
- 396.** “Synthesis, isolation and characterization of the Al(III)-N-(phosphonomethyl)-iminodiacetic acid hybrid”
M. Menelaou, N. Kotsakis, A. Salifoglou
20^o Pan-Hellenic Chemistry Conference
“Chemistry: Education, Research and Implementation”
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- 397.** “Synthesis and characterization of new complexes Cd(II)-citric acid. The pH-dependent action of the binary Cd(II)-citric acid system.”
P. Panagiotidis, E. Kefalas, A. Salifoglou
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- 398.** “Aqueous chemistry of Ti(IV) with physiological ligands. Synthesis and characterization of a new Ti(IV)-citric complex in aqueous media”

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“Chemistry: Education, Research and Implementation”
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- 399.** “Novel sustainable metal catalyzed oxidations with hydrogen peroxide and molecular oxygen”
 Valeria Conte, Marcella Bonchio, Anna Proust, Dieter Rehder, Lage Pettersson, Isabel Arends, Imre Tóth, João Costa Pessoa, Athanasios Salifoglou, Ulrich Körtz, Bernd Jastorff, Elpida-N. Emmanouil-Nikoloussi
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- 400.** “Structural speciation studies in the binary Al(III)-quinic acid aqueous system
 M. Daskalakis, C. Mateescu, A. Salifoglou
 Volume XI, No. 1, p. 49-52
11th Symposium on “Agroalimentary Processes and Technologies” of the Timisoara’s Academic Days 2005
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- 401.** “Synthesis and characterization of new Cd(II)-citrate complexes. Aqueous Cd(II)-citrate speciation studies”
 P. Panagiotidis, E. Kefalas, A. Salifoglou
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- 402.** “A chromium(III)-citrate complex from aqueous solutions
 C. Gabriel, A. Salifoglou
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11th Symposium on “Agroalimentary Processes and Technologies” of the Timisoara’s Academic Days 2005
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- 403.** “Synthesis of an inorganic-organic hybrid manganese(II)-quininate from aqueous solutions
 M. Menelaou, A. Salifoglou
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- 404.** “Structural speciation attempts in the binary Ti(IV)-citrate system in aqueous media”

- P. Panagiotidis, E. Kefalas, A. Salifoglou
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- 405.** Speciation studies of Europium(III) with (poly)phosphonate ligands. The case of EDTMP.
C. Mateescu, D. Dogaru, E. Princz, A. Salifoglou
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- 406.** Isolation and characterization of a new complex of neurotoxic Al(III) with citric acid.
C. Gabriel, M. Menelaou, A. Salifoglou
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- 407.** Synthetic, spectroscopic and structural speciation studies of insulin mimetic vanadium V(V) in the presence of physiological ligands
M. Kaliva, C. P. Raptopoulou, A. Terzis, A. Salifoglou
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"Chemistry, Quality of Life and Education"
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- 408.** Speciation chemistry of cadmium Cd(II) with citric acid. Water-soluble complex species of potential toxicity.
P. Panagiotidis, E. Kefalas, A. Salifoglou
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"Chemistry, Quality of Life and Education"
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- 409.** Structural speciation of insulin mimetic vanadium with citric acid in the presence of hydrogen peroxide.
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- 410.** Antioxidant Properties and HPLC Analysis of Organic Solvent Extracts from Aqueous Infusions of the Mediterranean Herb "sage" (*Salvia fruticosa L.*).
N. Petrakis, A. Salifoglou
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- 411.** Synthetic, Structural, and Spectroscopic Studies of New Cd(II)-citrate Aqueous Complex. Potential Relevance to Cd(II)-speciation and Links to Cadmium Toxicity.
E. T. Kefalas, A. Salifoglou
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- 412.** Synthetic, Structural, and Spectroscopic Studies of an Assembly of Species between Co(II) and N,N-Bis(Phosphonomethyl)glycine (NTA2P).
A. Mateescu, P. Baran, R. Raptis, C. Mateescu, A. Salifoglou
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May 20-21, 2004, Timisoara, Romania
- 413.** Studies of the Aqueous Chemistry of Insulin-Mimetic Vanadium V(V) with Citric Acid and Hydrogen Peroxide
M. Kaliva, C. Raptopoulou, A. Terzis, A. Salifoglou
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- 414.** Protonation Behavior of Aminopolyphosphonic Acids. The Case of EDTMP.
C. Mateescu, E. Princz, A. Mateescu, A. Salifoglou
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- 415.** Antioxidant activity toward iron promoted oxidation and HPLC analysis in organic solvent extracts generated from aqueous infusions of sage (*Salvia fruticosa* L.)
M. Kapsokefalou, T. C. Matsingou, N. Petrakis, A. Salifoglou
9th European Nutrition Conference
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- 416.** Synthetic, structural and spectroscopic studies of new tetranuclear Ti(IV)-citrate complexes in relevance to aqueous Ti(IV)-citrate speciation
E. Kefalas, M. Dakanali, A. Salifoglou
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- 417.** Speciation studies of aluminum with EDTMP
 A. Mateescu, C. Mateescu, A. Salifoglou
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- 418.** Study of the antioxidant properties and HPLC analysis of sage extracts in organic solvents
 N. Petrakis, M. Kapsokefalou, A. Salifoglou
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- 419.** Systematic studies of aqueous chemistry of insulin-mimetic vanadium(V) with citric acid
 M. Kaliva, C. P. Raptopoulou, A. Terzis, A. Salifoglou
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- 420.** Varying neurotoxicity upon short-term exposure to different aluminium salts
 A. J. Drysdale, E. v. L. Roloff, A. Salifoglou, B. Platt
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 February 22 – 25, 2003
 Keele University, Keele
 United Kingdom
- 421.** Studies of Antioxidant Properties and HPLC Analyses of Sage Extracts in Organic Solvents
 N. Petrakis, M. Kapsokefalou, A. Salifoglou
19th Pan-Hellenic Conference in Chemistry
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- 422.** Synthesis, Isolation and Characterization of complexes $(\text{NH}_4)_5[\text{Ti}_4(\text{O}_2)_4(\text{cit})_2(\text{citH})_2] \cdot 2\text{H}_2\text{O}$ and $\text{K}_7[\text{Ti}_4(\text{O}_2)_4(\text{cit})_2(\text{citH})_2] \cdot 2\text{H}_2\text{O}$ in Studies of the Aqueous Chemistry of Titanium with the Physiological Citric Acid.
 E. Kefalas, M. Dakanali, A. Salifoglou
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- 423.** Interaction among Dinuclear Complexes of Vanadium(IV,V) with Citric Acid in Aqueous Media
 M. Kyriakakis, M. Kaliva, A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
 November 6-10, 2002, Heraklion, Greece
- 424.** Synthesis, Isolation and Characterization of the Complex $\text{K}[\text{Al}(\text{C}_7\text{H}_{11}\text{O}_6)_3(\text{OH})] \cdot 5\text{H}_2\text{O}$ in the Course of the Study of the Aqueous Chemistry of Aluminum with (1R,3R,4S,5R)-1,3,4,5-tetrahydroxycyclohexane-carboxylic acid (Quinic Acid)
 M. Daskalakis, N. Kotsakis, M. Manioudaki, C. Mateescu, A. Salifoglou

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- 425.** Studies of the Effect of Heavy Metals in the Transcriptional Regulation of the H-ras Oncogenes
T. Alissaphi, M. Kavroulaki, D. Kardasis, A. Salifoglou
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- 426.** Studies of the Aqueous Chemistry of Vanadium(V) with Citric Acid
M. Kaliva, A. Salifoglou
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- 427.** Speciation Studies of Aluminum with (poly)Phosphonate ligands. The Case of EDTMP
(Ethylene Diamine Tetramethylene Phosphonic acid).
A. Mateescu, C. Mateescu, A. Salifoglou
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- 428.** In vitro Antioxidant Activity of Mediterranean Herb Infusions Toward Iron Under Simulated Gastrointestinal Conditions
C. Matsingou, M. Kapsokafalou, A. Salifoglou
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- 429.** Study and Potential Biological Relevance of the Aqueous Chemistry of Cobalt(II) in the Presence of Citric Acid.
N. Kotsakis, C. P. Raptopoulou, A. Terzis, V. Tangoulis, A. Salifoglou
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- 430.** Studies and Potential Biological Relevance of the Chemistry of Vanadium with Hydroxy Carboxylic Acids in Aqueous Solutions.
M. Kaliva, C. P. Raptopoulou, A. Terzis, A. Salifoglou
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- 431.** Study of the Effect of heavy Toxic Metal Ions in the Transcriptional Regulation of the H-ras Genes.
K. Kavroulaki, D. Kardasis, A. Salifoglou
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- 432.** The Chemistry of Lead and Cadmium with Tricarboxylic Acids. Potential Structural Links to the Biototoxicity of Those Heavy Metal Ions.
M. Dakanali, M. Kourgiantakis, C. P. Raptopoulou, A. Terzis, A. Salifoglou
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- 433.** Aluminum Carboxylate Chemistry and its Relevance to Neuropathological Disorders
M. Kourgiantakis, M. Dakanali, M. Matzapetakis, C. P. Raptopoulou, A. Terzis,
A. Lakatos, T. Kiss, A. Salifoglou
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- 434.** Aluminum Complexes relevant to Neurodegenerative Diseases
M. Kourgiantakis, M. Dakanali, M. Matzapetakis, A. Terzis, C. P. Raptopoulou,
A. Salifoglou
6th Joint Greece-Cyprus Conference in Chemistry
September 2-5, 1999, Rhodes, Greece.
- 435.** Vanadium Tricarboxylic and Dicarboxylic Acid Complexes in Aqueous Solutions
A. Salifoglou
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August 14-19, 1999, Berlin, Germany.
- 436.** Chemical Studies of Plant and Herb Infusions in the Presence of Pro-oxidant Metal
Ions
C. Matsingou, M. Kapsokefalou, A. Salifoglou
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- 437.** Aluminum Citrate Studies in Neurodegenerative Diseases
M. Kourgiantakis, M. Dakanali, M. Matzapetakis, A. Terzis, C. P. Raptopoulou,
A. Salifoglou
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- 438.** Antioxidant Activity of Plant Extracts Under in vitro Digestion Conditions
C. Matsingou, M. Kapsokefalou, A. Salifoglou
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- 439.** Vanadium Citric Acid Chemistry in Aqueous Solutions
A. Salifoglou, M. Tsaramysi, C. P. Raptopoulou, A. Terzis
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August 30 - September 4, 1998, Florence, Italy.
- 440.** Aluminum Citrate Complexes and Neurodegenerative Disease.
M. Matzapetakis, M. Kourgiantakis, A. Terzis, C. P. Raptopoulou, A. Salifoglou
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European Countries*
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- 441.** Polyphenols, Iron and Antioxidant Activity in Black Tea.
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“Chemical Research and Industry”
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- 442.** The Chemical Affinity of Vanadium for Citrates in Biological Fluids.
 M. Tsaramirsi, T. Salifoglou
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 A. Terzis, C. P. Raptopoulou
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- 443.** The Influence of Zn²⁺ on the Biosynthesis of Porphobilinogen by Porphobilinogen Synthase.
 M. Kotsakis, E. Papadimou, A. Salifoglou
 Dept. of Chemistry, University of Crete, Heraklion, Greece
 A. Terzis, C. P. Raptopoulou
 NRCPS “Demokritos”, Institute of Material Science, Agia Paraskevi, Attiki, Greece.
2nd Symposium of the Institute of Physical Chemistry
“Chemical Research and Industry”
 3-5 December, 1997, NRCPS “Demokritos”, Athens, Greece.
- 444.** The affinity of vanadium for citrates expressed through aqueous solution synthetic complexes.
 M. Tsaramirsi, E. Kotsifaki, T. Salifoglou
 Dept. of Chemistry, University of Crete, Heraklion, Greece
 A. Terzis, C. P. Raptopoulou
 NRCPS “Demokritos”, Institute of Material Science, Agia Paraskevi, Attiki, Greece.
4th (FGIPS) European Mediterranean Conference in Inorganic Chemistry
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- 445.** Metal ion citrate complexes as mobilizing units in the environment.
 M. Matzapetakis, T. Salifoglou
 Dept. of Chemistry, University of Crete, Heraklion, Greece
 A. Terzis, C. P. Raptopoulou
 NRCPS “Demokritos”, Institute of Material Science, Agia Paraskevi, Attiki, Greece.
4th (FGIPS) European Mediterranean Conference in Inorganic Chemistry
 October 14-18, 1997, Corfu, Greece.
- 446.** Toward the active site zinc complex of porphobilinogen synthase.
 M. Kotsakis, E. Papadimou, A. Salifoglou
 Dept. of Chemistry, University of Crete, Heraklion, Greece
 A. Terzis, C. P. Raptopoulou
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4th (FGIPS) European Mediterranean Conference in Inorganic Chemistry
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- 447.** Iron polyphenol complexes and antioxidant activity in black tea.

- C. Matsingou, M. Kapsokefalou, A. Salifoglou
Dept. of Chemistry, University of Crete, Heraklion, Greece
4th (FGIPS) European Mediterranean Conference in Inorganic Chemistry
October 14-18, 1997, Corfu, Greece.
- 448.** Iron polyphenol complexes and antioxidant activity in black tea.
C. Matsingou, M. Kapsokefalou, A. Salifoglou
Dept. of Chemistry, University of Crete, Heraklion, Greece
International Symposium on Trace Elements in Human: New Perspectives
October 9-11, 1997, Athens, Greece.
- 449.** The chemistry of vanadium with (di)tricarboxylic acids at the active centers of biological systems.
E. Kotsifaki and A. Salifoglou
Department of Chemistry, University of Crete, Heraklion, Greece
17th Panhellenic Chemical Society Meeting
“Chemistry on the doorstep of the 21st century”
December 1-5, 1996, Patras, Greece.
- 450.** Bioinorganic Complexes of zinc at the active center of Porphobilinogen Synthase (PBGS).
N. Kotsakis and A. Salifoglou
Department of Chemistry, University of Crete, Heraklion, Greece
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“Chemistry on the doorstep of the 21st century”
December 1-5, 1996, Patras, Greece.
- 451.** Gallium tricarboxylic complexes in radiodiagnostic medicine.
M. Matzapetakis and A. Salifoglou
Department of Chemistry, University of Crete, Heraklion, Greece
17th Panhellenic Chemical Society Meeting
“Chemistry on the doorstep of the 21st century”
December 1-5, 1996, Patras, Greece.
- 452.** Physical Characterization of the Molybdenum-Iron Cofactor of Nitrogenase.
T. A. Collet, A. B. Hickman, T. Salifoglou, D. W. Wright, W. H. Orme-Johnson
Department of Chemistry, Massachusetts Institute of Technology,
Cambridge, MA 02139,
8th International Congress on Nitrogen Fixation
May 20-26, 1990, Knoxville, Tennessee, U.S.A.
- 453.** Characterization of a Large Scale Fermentation of *Azotobacter vinelandii*.
J.-F. P. Hamel, T. Salifoglou, R. J. Murray, A.-F. Miller, D. W. Wright,
D. Hopkins, A. B. Hickman, C. L. Cooney, W. H. Orme-Johnson
Departments of Chemistry and Chem. Engineering, M.I.T., Cambridge, MA 02139,
USA
8th International Congress on Nitrogen Fixation
May 20-26, 1990, Knoxville, Tennessee, U.S.A.
- 454.** MoFe Cofactor of Nitrogenase: Extraction, Purification and Characterization.

A. B. Hickman, P. A. McLean, T. Salifoglou, D. Wink, D. Wright,
D. Coucouvanis, W. H. Orme-Johnson
Department of Chemistry, Massachusetts Institute of Technology,
Cambridge, MA 02139, USA
4th International Conference on Bioinorganic Chemistry
July 23-28, 1989, Cambridge, Massachusetts, U.S.A.

455. Homocitrate Complexes: Role in MoFe Cofactor Synthesis and Function in Nitrogenase.

A. B. Hickman, A. F. Miller, T. Salifoglou, K. B. Sharpless, D. Wink,
W. H. Orme-Johnson
Department of Chemistry, Massachusetts Institute of Technology,
Cambridge, MA 02139, USA
4th International Conference on Bioinorganic Chemistry
July 23-28, 1989, Cambridge, Massachusetts, U.S.A.

456. New Mixed Terminal Fe₂S₂ Complexes. A Comparison with the Fe₂S₂ Centers in the Rieske Proteins.

A. Salifoglou and D. Coucouvanis
Department of Chemistry, The University of Michigan,
Ann Arbor, MI 48109, USA
Third Chemical Congress of North America and 195th American Chemical Society National Meeting
June 5-10, 1988, Toronto, Canada.