Αθανάσιος Σαλίφογλου

Βιογραφικό Σημείωμα
και
Κατάλογος Δημοσιεύσεων

Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης
Τμήμα Χημικών Μηχανικών
ΘΕΣΣΑΛΟΝΙΚΗ

ΑΘΑΝΑΣΙΟΣ ΣΑΛΙΦΟΓΛΟΥ

Τάσου Λειβαδείτη 7
Τ.Θ. Δ9107 Γοργοποτάμου
Θέρμη 57001
Τηλέφωνο: +30-2310-944-432

Τμήμα Χημικών Μηχανικών
Αριστοτέλειο Παν. Θεσσαλονίκης
Θεσσαλονίκη 54124
Τηλέφωνο: +30-2310-996-179
Fax: +30-2310-996-196
E-mail: salif@auth.gr

ΕΚΠΑΙΔΕΥΣΗ

Ph.D. Βιοανόργανη Χημεία 12/1987
Πανεπιστήμιο Michigan, Ann Arbor, MI, Η.Π.Α.

B.Sc. με άριστα, Χημεία 7/1982
Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη

ΑΚΑΔΗΜΑΪΚΗ ΣΤΑΔΙΟΔΡΟΜΙΑ –ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ

Καθηγητής 2008 – παρόν
Διευθυντής του Εργαστηρίου Ανόργανης Χημείας και Χημείας Προηγμένων Υλικών
Τμήμα Χημικών Μηχανικών
Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη

Διευθυντής Τομέα Χημείας 2019 - 2021
Τμήμα Χημικών Μηχανικών 2013 - 2015
Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη

Διευθυντής του Μεταπτυχιακού Προγράμματος 2022 - 2024
“Διεργασίες και Τεχνολογία Προηγμένων Υλικών” 2008 - 2010
Πολυτεχνική Σχολή
Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη

Τρέχοντα Ερευνητικά Ενδιαφέροντα και Ερευνητικές Δραστηριότητες

- Ανόργανη-οργανική (νανο)τεχνολογία στη διαγνωστική και θεραπευτική ασθενειών. Ανόργανα-οργανικά υβριδικά υλικά βαναδίου, ψευδαργύρου και τιτανίου με φυσιολογικά υποστρώματα, με δυνατότητα ανάπτυξης φαρμακευτικών σκευασμάτων ινσουλινομιμητικής και αντικαρκινικής δραστικότητας. Συνθετικές, φασματοσκοπικές, μαγνητικές, δομικές και βιολογικές μελέτες ενώσεων βαναδίου, ψευδαργύρου και τιτανίου με φυσιολογικά και βιομιμητικά (υδροξυ)καρβοξυλικά οξέα. Ελεγχόμενη μεταφορά και απόδοση χημειοδραστικών μορίων από μεγαλομοριακούς κλωβούς σε συσχετισμό με διαδικασίες απορρόφησης υβριδικών ανόργανων-οργανικών φαρμάκων.

- Σχεδιασμός και ανάπτυξη τεχνολογίας 3D εκτύπωσης για την α) παρασκευή υλικών με αντιμικροβιακές ιδιότητες, β) παρασκευή πρώτων υλών προς χρήση σε εφαρμογές 3D εκτύπωσης (αβιοτικές και βιολογικές), γ) κατασκευή ικριωμάτων και ιστολογικών πλεγμάτων προς χρήση σε διαγνωστικές και θεραπευτικές προσεγγίσεις (διαβήτης, νευροεκφύλιση, καρκίνος).

- Σχεδιασμός, κατασκευή και χρήση μικροροϊκών διατάξεων με εφαρμογές στη μοριακή βιολογία (ανθρώπινων)παθοφυσιολογιών (στήριξη μυοσκελετικού υποβάθρου, διατήρηση ιστολογικής ακεραιότητας του ανθρώπου) κάτω από ακραίες συνθήκες (έλλειψη βαρύτητας).

- Βιοπληροφορική στην ανάπτυξη και ανάλυση των ιδιοτήτων και διαδικασιών βιολογικών μοριακών νανοδικτύων που σχετίζονται με κυτταρικές (παθο)φυσιολογίες συνδεδεμένες με την εμφάνιση, πρόοδο, διάγνωση και θεραπευτική αντιμετώπιση ασθενειών (theranostics).

- Σχεδίαση και ανάπτυξη τεχνολογικών προσεγγίσεων συνυφασμένων με μεταλλοκαταλυόμενες οξειδωτικές καταστροφές βιολογικών ιστών. Διαγνωστικοί μοριακοί βιοδείκτες. Οξειδωτικό stress στην νευροεκφύλιση. Ανάπτυξη εκλεκτικών χημειοαισθητήρων απαραίτητων και βιοτοξικών μεταλλοϊόντων σε συσχετισμό με κλινικά παθολογικές καταστάσεις σε νευροεκφυλιστικές ασθένειες. Προγνωστικοί βιοδείκτες στη νευροεκφύλιση (π.χ. Mild Cognitive Impairment) και νανοτεχνολογία μοριακής νευροπροστασίας.

- Βιοτοξικά μεταλλοϊόντα στην παθογένεση νευρολογικών εκφυλιστικών ασθενειών (Alzheimer, κ.ά.) και νεοπλασιών (καρκινογένεση). Σύνδεση ανόργανων συμπλόκων ειδών (περιβαλλοντικών μεταλλοτοξινών) με διαδικασίες αλληλεπίδρασης βιοτοξικών μετάλλων με μοριακούς βιολογικούς στόχους, δομική ειδοκατανομή, βιοδιαθεσιμότητα και αιτιοπαθογενετική δράση. Ανάπτυξη αισθητήρων και διαγνωστικών προσεγγίσεων στην άμεση αναγνώριση πρώιμων νευροεκφυλιστικών τάσεων. Συσχετισμός τοξικότητας και νευροεκφύλισης σε μοριακό επίπεδο.

- Επιφανειακά τροποποιημένα υλικά (δενδριμερή, λιποσώματα, πυριτία) ως νανοσωματιδιακοί φορείς για τη μεταφορά, απόδοση και απελευθέρωση βιοδραστικών ουσιών φυσικής προέλευσης σε εξειδικευμένους μοριακούς βιοστόχους, για την ανάπτυξη τεχνολογίας ανίχνευσης και αντιμετώπισης ιατρικής θεραπευτικής ανθρώπινων ασθενειών (π.χ. νευροεκφύλιση Alzheimer). Συσχέτιση δομής-λειτουργίας μεταξύ φυσικοχημικής φύσης, και δραστικότητας νανο-ενθυλακωμένων ουσιών (καλά καθορισμένης δομής και (βιο)χημικής δράσης).

- Ανάπτυξη βιοανόργανων και ανόργανων-οργανικών υβριδικών υλικών σε χαμηλές θερμοκρασίες (υδροθερμικές και διαλυτοθερμικές μέθοδοι) με εξειδικευμένες φυσικές δομικές, οπτικές, χημικές καταλυτικές και μαγνητικές ιδιότητες. Συσχετισμός κρυσταλλογραφικών και ενεργειακών δομών με φωτοφυσικές ιδιότητες. (Πολυ)Λειτουργικά νανοϋλικά με εφαρμογές (αισθητήρες) στη Βιοϊατρική Μηχανική, διαγνωστική ιατρική και (νανο)τεχνολογία.

- Καρκινογόνα μέταλλα στη μεταγραφική ρύθμιση σηματοεκπομπών γονιδίων H_{α}-Ras μέσω μινιδορυφορικού DNA στο ανθρώπινο γονιδίωμα. Αλληλεπίδραση βαρέων και τοξικών μεταλλοϊόντων με μινιδορυφορικό DNA και επιπτώσεις σε μεταλλοβιολογικές οδούς καρκινογένεσης (εστίαση στον καρκίνο του μαστού). Βιοδείκτες συσχετισμού αλληλεπίδρασης βιοτοξικών μεταλλοϊόντων-μινιδορυφορικού DNA και πρόγνωσης παρεκκλινόντων διαδικασιών κυτταρικής εκπομπής σημάτων.

- Φυσικά αντιοξειδωτικά και προοξειδωτικά μεταλλοϊοντικά υλικά στη διατροφή του ανθρώπου. Μηχανισμοί προ-οξείδωσης και αντιοξείδωσης με την βοήθεια πειραματικών μοντέλων στην ανθρώπινη φυσιολογία.

- Ανάπτυξη τεχνολογίας μεταλλοφθορισμομετρικών χημειοαισθητήρων για την επιλεκτική ανίχνευση και ποσοτικό προσδιορισμό μεταλλοτοξινών και μεταλλοτοξικών ρυπαντών σε περιβαλλοντικά και βιολογικά υγρά μέσω χρωματογραφίας HPLC-PCD. Έλεγχος εφαρμογών στην περιβαλλοντική προστασία και την μεταλλοϊοντική ομοιοστασία σε κυτταρικό επίπεδο.

- Σχεδιασμός, σύνθεση, φασματοσκοπικός και δομικός χαρακτηρισμός βιομιμητικών ανόργανων συμπλόκων ως ελάχιστων αντιπροσωπεύσεων ενεργών κέντρων μεταλλοενζύμων. Ανάπτυξη καταλυτικών διεργασιών μέσω χαμηλής μοριακής μάζας μεταλλοϊοντικών υλικών.

Αναπληρωτής Καθηγητής 2003 - 2008
Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη

Αναπληρωτής Καθηγητής 2002 - 2003
Πανεπιστήμιο Κρήτης, Ηράκλειο

Επίκουρος Καθηγητής 1996 - 2001
Πανεπιστήμιο Κρήτης, Ηράκλειο

Επίκουρος Καθηγητής – Π.Δ. 407 1995 - 1996
Πανεπιστήμιο Κρήτης, Ηράκλειο

Ερευνητής Επιστήμονας 1993 - 1995
Massachusetts Institute of Technology, Cambridge, MA, Η.Π.Α.
Συγκριτική έρευνα της επιδράσεως ανόργανων θρεπτικών ουσιών στην καλλιέργεια του φυσικού τύπου μεθανοτροφικών βακτηρίων *Methylococcus capsulatus* και *Methylosinus trichosporium*. Ανάπτυξη μεγάλης κλίμακας ζυμωτικής καλλιέργειας (20 L) του ισοτοπικά εμπλουτισμένου (^{57}Fe, ^{54}Fe) μεθανοτροφικού βακτηρίου *Methylococcus capsulatus*. Διερεύνηση της βιολογικής δραστικότητας χημικών και δομικών ιδιοτήτων του χημικά τροποποιημένου ενζύμου υδροξυλιώσεως υποστρωμάτων από το βακτήριο *Methylococcus capsulatus*. Κλωνοποίηση και έκφραση βακτηριακών μεθανοτροφικών γονιδίων σε στελέχη E. coli.

Ειδικό Επιστημονικό Προσωπικό 1992 - 1993
Τμήμα Αιματολογίας-Ογκολογίας
N. England Medical Center/Πανεπιστήμιο Tufts, Boston, MA, Η.Π.Α.
Διερεύνηση των λειτουργικών δυνατοτήτων των H_{α}-RAS γονιδιακών μινιδορυφόρων σε ανθρώπινα πυρηνικά εκχυλίσματα καρκινογενών γραμμών. Ασταθεια τελομερικών γονιδιακών μινιδορυφόρων και αλληλεπιδράσεις με μεταγραφικούς παράγοντες στη διάρκεια της καρκινογένεσης. Φυλογένεση και λειτουργικές επιπτώσεις σημάτων γονιδιακού ανασυνδυασμού μέσω ακολουθίας χ (chi) σε όλο το εύρος της εξέλιξης ειδών. Εκπαίδευση μεταπτυχιακών φοιτητών και εργαστηριακού προσωπικού σε τεχνικές μοριακής βιολογίας και στη χρήση συναφών οργάνων.

Μεταδιδακτορικός Συνεργάτης 1990 - 1992

Massachusetts Institute of Technology, Cambridge, MA, Η.Π.Α.
Ανάπτυξη βιοχημικών τεχνικών υψηλής απόδοσης και υψηλής ενεργότητας για την απομόνωση και καθαρισμό του μεταλλοενζύμου της μονοοξυγονάσης του μεθανίου (MMO). Ανάπτυξη πρωτοκόλλων ζυμώσεως μεγάλης κλίμακας (20 L) για τα μεθανοτροφικά βακτήρια *Methylococcus capsulatus* και *Methylosinus trichosporium*. Κλωνοποίηση, προσδιορισμός ακολουθίας DNA και έκφραση της υπομονάδας α της MMO πρωτεΐνης υδροξυλάσης σε βακτήρια *E. coli*. Σχεδίαση, ανάπτυξη και υλοποίηση μεγάλης κλίμακας καλλιεργειών ανασυνδυασμένων οργανισμών *E. coli.*
Ανάπτυξη πρωτοκόλλων ζυμώσεως μεγάλης κλίμακας (1000 L – Pilot plant) για απομόνωση της αυξητικής ορμόνης χοίρου PGH (Porcine Growth Hormone) από βακτήρια E. coli.

Μεταδιδακτορικός Ερευνητής
Υπότροφος ΝΑΤΟ 1988 – 1990
Massachusetts Institute of Technology, Cambridge, MA, Η.Π.Α.
Νέες μέθοδοι υψηλής απόδοσης για την εκχύλιση, καθαρισμό και φασματοσκοπικό/δομικό χαρακτηρισμό του ανόργανου συμπαράγοντα της νιτρογενάσης μολυβδαινίου. Ανάπτυξη μέσου καλλιέργειας και πρωτοκόλλων ζυμώσεως υψηλής απόδοσης, σε βιομηχανική κλίμακα (1000 L), του βακτηρίου δέσμευσης αζώτου *Azotobacter vinelandii*. Απομόνωση, καθαρισμός και χαρακτηρισμός του μεταλλοενζύμου της νιτρογενάσης και των πρωτεϊνικών της συστατικών.
Ανάπτυξη πρωτοκόλλων ζυμώσεως υψηλής απόδοσης, σε βιομηχανική κλίμακα (1000 L), του βακτηρίου δέσμευσης αζώτου *Azotobacter vinelandii* για την απομόνωση της $NifV^-$ νιτρογενάσης.

Μεταπτυχιακός Ερευνητής 1983 – 1987
Πανεπιστήμιο Michigan, Ann Arbor, MI, Η.Π.Α.
Σχεδίαση στοιχειομετρικών και δομικών μοντέλων ενεργών κέντρων, που περιέχουν μέταλλα, σε πρωτεΐνες και ένζυμα που ενέχονται σε βιολογική μεταφορά ηλεκτρονίων και κατάλυση. Σύνθεση, διερεύνηση δραστικότητας, φασματοσκοπικός και δομικός χαρακτηρισμός με ακτίνες Χ ανόργανων ετερομεταλλικών συμπλόκων ως μοντέλων ενεργών κέντρων μεταλλοενζύμων (π.χ. νιτρογενάσης, πρωτεΐνης Rieske, κ.ά.).

Εκπαιδευόμενος Ερευνητής 6/1981 – 9/1981
Ινστιτούτο Max-Planck Χημείας Ακτινοβολιών
Mülheim an der Ruhr, Γερμανία.
Μηχανιστικές μελέτες και διερεύνηση δραστικότητας ακεταλών σε υδατικά διαλύματα χρησιμοποιώντας τεχνικές ακτινοβολίας γ.

ΤΕΧΝΙΚΕΣ ΔΕΞΙΟΤΗΤΕΣ ΚΑΙ ΝΕΕΣ ΤΕΧΝΟΛΟΓΙΕΣ

- Σχεδίαση, σύνθεση και τεχνικές χαρακτηρισμού βιολογικών και συνθετικών μορίων (Υπεριώδες/Ορατό, FT-IR, Φθορισμομετρία, FT-Raman, ετεροπυρηνικό NMR υγρής και στερεάς κατάστασης, NMR παραμαγνητικών υλικών, ESI-MS, UPLC-ESI-MS, GC, GC-MS, MALDI-MS, HPLC, HPLC-PCD, Ηλεκτροχημεία) ανόργανων και οργανομεταλλικών υλικών (χρήση αναεροβικών τεχνικών και μεθοδολογιών).
- Αναερόβιες τεχνικές και μεθοδολογίες σύνθεσης βιομιμητικών και φυσικών μεταλλοβιολογικών υλικών με καταλυτικές ιδιότητες (αναγωγή αζώτου, αλογονο-υπεροξείδωσης, κ.ά.).
- Νέες τεχνολογίες σύνθεσης και χαρακτηρισμού ανόργανων-οργανικών υβριδικών υλικών με ιδιότητες μονομοριακών μαγνητών και αλυσίδων (Hydrothermal, Solvothermal, etc.).

- Κρυσταλλογραφικές μέθοδοι ακτίνων Χ μονοκρυστάλλων, σκόνης.
- Ηλεκτρονικοί Υπολογιστές, προγραμματισμός.
- Σύνθεση προηγμένων υλικών σε μεσαίες και χαμηλές θερμοκρασίες. Φυσικοχημικός χαρακτηρισμός (Στοιχειακή ανάλυση, TGA-TDG, DSC, AAS, ICP)
- Εκπαίδευση, χρήση και συντήρηση περιθλασιμέτρων ακτίνων Χ μονοκρυστάλλων και μικροκρυσταλλικής κόνεως.
- Βιοφυσικές τεχνικές (Mössbauer, EPR, EXAFS) ανιχνεύσεως μεταλλοσυμπλόκων στα ενεργά κέντρα μεταλλοενζύμων.
- Βιοχημικές τεχνικές, βιολογικοί προσδιορισμοί, κ.ά. κατά την αναεροβική και αεροβική απομόνωση, καθαρισμό και χαρακτηρισμό πρωτεϊνών.
- Τεχνολογίες Μοριακής Βιολογίας: PCR, προσδιορισμός ακολουθίας DNA, κλωνοποίηση γονιδίων και έκφραση ανασυνδυασμένων πρωτεϊνών σε βακτηριακό επίπεδο, ανοσοϊστοχημεία, Συνεστιακή Μικροσκοπία.
- Ανάπτυξη μέσων αύξησης και πρωτοκόλλων μικροβιακής καλλιέργειας (σε αεροβικά και αναεροβικά βακτήρια).
- Μικρής και μεγάλης κλίμακας ζυμώσεις μεταλλαγμένων και αγρίου τύπου βακτηρίων E. coli. Βιοαντιδραστήρες.
- Γνώση, χρήση και συντήρηση μονάδας ζυμώσεως αναερόβιων και αεροβικών μικροοργανισμών.
- Μέθοδοι καθαρισμού πρωτεϊνών από ανασυνδυασμένα στελέχη E. coli.
- Συνεστιακή Μικροσκοπία στην ανακάλυψη παραγόντων σε διεργασίες νευροεκφύλισης.

ΔΙΔΑΚΤΙΚΗ ΕΜΠΕΙΡΙΑ

Καθηγητής 2022-2023

Τίτλος Προπτυχιακού Μαθήματος: "Ανόργανη Χημεία".
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Εργαστήρια Ανόργανης Χημείας".
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Χημεία".
Τμήμα Μηχανολόγων Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Βιοτεχνολογία"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Διπλωματική Εργασία"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Γενετική Μηχανική"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Βιοϋλικά"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Χημεία Περιβάλλοντος"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Βιομηχανική Ανόργανη Χημεία"
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Ελληνικό Ανοικτό Πανεπιστήμιο, Πάτρα
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Τίτλος Μεταπτυχιακού Μαθήματος: "Χημική και Βιοχημική Κινητική"

Τίτλος Μεταπτυχιακού Μαθήματος: "Αρχές & Μεθοδολογία Διεξαγωγής Μετρήσεων-Προηγμένη Ενόργανη Ανάλυση"
Τίτλος Μεταπτυχιακού Μαθήματος: "Βιοτεχνολογία"
Τίτλος Μεταπτυχιακού Μαθήματος: "Διπλωματική Εργασία"
Μεταπτυχιακό Πρόγραμμα Σπουδών "Χημική και Βιομοριακή Μηχανική"
Τμήμα Χημικών Μηχανικών

Τίτλος Μεταπτυχιακού Μαθήματος: "Μηχανικές ιδιότητες Βιοϋλικών"
Τίτλος Μεταπτυχιακού Μαθήματος: "Βιοπαραγωγή και Ιστομηχανική"
Μεταπτυχιακό Πρόγραμμα Σπουδών "Βιοϊατρική Μηχανική"
Πολυτεχνική Σχολή

Τίτλος Μεταπτυχιακού Μαθήματος: "Μέθοδοι Μελέτης και Χαρακτηρισμού Υλικών"
Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
Τίτλος Μεταπτυχιακού Μαθήματος: "Ερευνητική Μεθοδολογία"
Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
Τίτλος Μεταπτυχιακού Μαθήματος: "Σύγχρονες Μέθοδοι Σύνθεσης και Ανάλυσης Βιοδραστικών ενώσων και Εφαρμογές"
Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
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Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
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Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών", Πολυτεχνική Σχολή, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.

Τίτλος Μεταπτυχιακού Μαθήματος: "Βιο-Ανόργανη Χημεία"
Διαπανεπιστημιακό Μεταπτυχιακό Πρόγραμμα Σπουδών "Ανόργανη Βιολογική Χημεία"
Πανεπιστήμιο Ιωαννίνων
Τίτλος Μεταπτυχιακού Μαθήματος: "Φυσικοχημικές, φασματοσκοπικές και βιοχημικές μέθοδοι στη Βιοανόργανη Χημεία"
Διαπανεπιστημιακό Μεταπτυχιακό Πρόγραμμα Σπουδών "Ανόργανη Βιολογική Χημεία"
Πανεπιστήμιο Ιωαννίνων

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Μεταπτυχιακό Πρόγραμμα Σπουδών "Metallo-Biological Processes in Health and the Environment"
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Καθηγητής 2021-2022
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Τίτλος Μεταπτυχιακού Μαθήματος: "Διπλωματική Εργασία"
Μεταπτυχιακό Πρόγραμμα Σπουδών "Χημική και Βιομοριακή Μηχανική"
Τμήμα Χημικών Μηχανικών

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Τίτλος Μεταπτυχιακού Μαθήματος: "Βιοπαραγωγή και Ιστομηχανική"
Μεταπτυχιακό Πρόγραμμα Σπουδών "Βιοϊατρική Μηχανική"
Πολυτεχνική Σχολή

Τίτλος Μεταπτυχιακού Μαθήματος: "Μέθοδοι Μελέτης και Χαρακτηρισμού Υλικών"
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Τίτλος Μεταπτυχιακού Μαθήματος: "Ερευνητική Μεθοδολογία"

Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
Τίτλος Μεταπτυχιακού Μαθήματος: "Σύγχρονες Μέθοδοι Σύνθεσης και Ανάλυσης Βιοδραστικών ενώσων και Εφαρμογές"
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Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
Τίτλος Μεταπτυχιακού Μαθήματος: "Διπλωματική Εργασία"
Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών", Πολυτεχνική Σχολή, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.

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Διαπανεπιστημιακό Μεταπτυχιακό Πρόγραμμα Σπουδών "Ανόργανη Βιολογική Χημεία"
Πανεπιστήμιο Ιωαννίνων
Τίτλος Μεταπτυχιακού Μαθήματος: "Φυσικοχημικές, φασματοσκοπικές και βιοχημικές μέθοδοι στη Βιοανόργανη Χημεία"
Διαπανεπιστημιακό Μεταπτυχιακό Πρόγραμμα Σπουδών "Ανόργανη Βιολογική Χημεία"
Πανεπιστήμιο Ιωαννίνων

Τίτλος Μεταπτυχιακού Μαθήματος: "Inorganic and Biological Chemistry".
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Καθηγητής 2020-2021
Τίτλος Προπτυχιακού Μαθήματος: "Ανόργανη Χημεία".
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Εργαστήρια Ανόργανης Χημείας".
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Τίτλος Προπτυχιακού Μαθήματος: "Χημεία".
Τμήμα Μηχανολόγων Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Βιοτεχνολογία"

Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Διπλωματική Εργασία"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Γονιδιακή Μεταλλοβιολογία και Μηχανική"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Βιοϋλικά"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Χημεία Περιβάλλοντος"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
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Μεταπτυχιακό Πρόγραμμα Σπουδών "Χημική και Βιομοριακή Μηχανική"
Τμήμα Χημικών Μηχανικών

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Πανεπιστήμιο Ιωαννίνων
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Τίτλος Προπτυχιακού Μαθήματος: “Γονιδιακή Μεταλλοβιολογία και Μηχανική”
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Μεταπτυχιακό Πρόγραμμα Σπουδών “Χημική και Βιομοριακή Μηχανική”
Τμήμα Χημικών Μηχανικών
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Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών “Διεργασίες και Τεχνολογία Προηγμένων Υλικών”
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Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
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Διαπανεπιστημιακό Μεταπτυχιακό Πρόγραμμα Σπουδών "Ανόργανη Βιολογική Χημεία"
Πανεπιστήμιο Ιωαννίνων
Τίτλος Μεταπτυχιακού Μαθήματος: "Φυσικοχημικές, φασματοσκοπικές και βιοχημικές μέθοδοι στη Βιοανόργανη Χημεία"
Διαπανεπιστημιακό Μεταπτυχιακό Πρόγραμμα Σπουδών "Ανόργανη Βιολογική Χημεία"
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Καθηγητής 2018-2019
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Τίτλος Προπτυχιακού Μαθήματος: "Νανοτεχνολογία και Μαλακή Ύλη"

Σχολείο Νέας Ελληνικής Γλώσσας, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
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Τμήμα Χημικών Μηχανικών
Τίτλος Μεταπτυχιακού Μαθήματος: "Μέθοδοι Μελέτης και Χαρακτηρισμού Υλικών"
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Διαπανεπιστημιακό Μεταπτυχιακό Πρόγραμμα Σπουδών "Ανόργανη Βιολογική Χημεία"
Πανεπιστήμιο Ιωαννίνων
Τίτλος Μεταπτυχιακού Μαθήματος: "Φυσικοχημικές, φασματοσκοπικές και βιοχημικές μέθοδοι στη Βιοανόργανη Χημεία"
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Καθηγητής 2017-2018
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Τίτλος Μεταπτυχιακού Μαθήματος: "Φυσικοχημικές, φασματοσκοπικές και βιοχημικές μέθοδοι στη Βιοανόργανη Χημεία"
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Καθηγητής 2016-2017
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Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
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Μεταπτυχιακό Πρόγραμμα Σπουδών "Metallo-Biological Processes in Health and the Environment"
Τμήμα Χημείας και Βιολογίας
West University of Timisoara, Timisoara, Romania

Υπεύθυνος Εκπαίδευσης των προπτυχιακών φοιτητών του Τμήματος Χημικών Μηχανικών στην "Ασφάλεια και Προστασία σε Χημικά και Βιολογικά Εργαστήρια"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Συνεργασία με
α) την Ομάδα Πολιτικής Προστασίας του Αριστοτελείου Πανεπιστημίου Θεσσαλονίκης
β) την Υπηρεσία Εκπαίδευσης του Τμήματος Πυρασφάλειας της Διοίκησης Π.Υ. Ν. Θεσσαλονίκης
γ) τη Διεύθυνση Συμβούλων Υπηρεσιών Υγείας και Ασφάλειας Εργαστηρίων της Εταιρείας Σαμαράς & Συνεργάτες Ε.Π.Ε., Συμβούλων Ποιότητας και Ασφάλειας Εργασίας

Καθηγητής 2015-2016
Τίτλος Προπτυχιακού Μαθήματος: "Ανόργανη Χημεία".
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Εργαστήρια Ανόργανης Χημείας".
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Τίτλος Προπτυχιακού Μαθήματος: "Βιοϋλικά"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
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Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
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Ελληνικό Ανοικτό Πανεπιστήμιο, Πάτρα
Τίτλος Μεταπτυχιακού Μαθήματος: "Μέθοδοι Μελέτης και Χαρακτηρισμού Υλικών"

Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
Τίτλος Μεταπτυχιακού Μαθήματος: "Ερευνητική Μεθοδολογία"
Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
Τίτλος Μεταπτυχιακού Μαθήματος: "Σύγχρονες Μέθοδοι Σύνθεσης και Ανάλυσης Βιοδραστικών Ενώσεων και Εφαρμογές "
Μεταπτυχιακό Πρόγραμμα Σπουδών, Τμήμα Χημικών Μηχανικών, Πολυτεχνική Σχολή, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
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Καθηγητής 2014-2015
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Ελληνικό Ανοικτό Πανεπιστήμιο, Πάτρα
Τίτλος Προπτυχιακού Μαθήματος: "Αντιοξειδωτική ισχύς στη Μηχανική Τροφίμων".
Τμήμα Παραγωγής και Τεχνολογίας Τροφίμων
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara, Romania
Τίτλος Μεταπτυχιακού Μαθήματος: "Inorganic and Biological Chemistry".
Μεταπτυχιακό Πρόγραμμα Σπουδών "Metallo-Biological Processes in Health and the Environment"
Τμήμα Χημείας και Βιολογίας
West University of Timisoara, Timisoara, Romania

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Τίτλος Μεταπτυχιακού Μαθήματος: "Μέθοδοι Μελέτης και Χαρακτηρισμού Υλικών"
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Τίτλος Προπτυχιακού Μαθήματος: "Ανόργανη Χημεία".
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Ελληνικό Ανοικτό Πανεπιστήμιο, Πάτρα

Τίτλος Προπτυχιακού Μαθήματος: "Γονιδιακή Μεταλλοβιολογία και Μηχανική"
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Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Μεταπτυχιακού Μαθήματος: "Μέθοδοι Μελέτης και Χαρακτηρισμού Υλικών"
Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
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Τίτλος Μεταπτυχιακού Μαθήματος: "Βιοϋλικά"
Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών" Πολυτεχνική Σχολή, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Μεταπτυχιακού Μαθήματος: "Inorganic and Biological Chemistry".
Μεταπτυχιακό Πρόγραμμα Σπουδών "The Chemistry of Biologically Active Compounds"
Τμήμα Χημείας και Βιολογίας
West University of Timisoara, Timisoara, Romania
Τίτλος Μεταπτυχιακού Μαθήματος: "Διαγνωστική στην Άνοια Alzheimer"
Δια Βίου Εκπαίδευση για Επαγγελματίες Ιατρικής
Πανελλήνιο Ινστιτούτο Νευροεκφυλιστικών Νοσημάτων
Θεσσαλονίκη, Ελλάδα.

Καθηγητής 2010-2011
Τίτλος Προπτυχιακού Μαθήματος: "Ανόργανη Χημεία".
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
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Ελληνικό Ανοικτό Πανεπιστήμιο, Πάτρα
Τίτλος Προπτυχιακού Μαθήματος: "Μεταλλογονιδιακή Βιολογία και Μηχανική"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
Τίτλος Προπτυχιακού Μαθήματος: "Διπλωματική Εργασία"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
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Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
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Τίτλος Προπτυχιακού Μαθήματος: "Διπλωματική Εργασία"
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Διατμηματικό Μεταπτυχιακό Πρόγραμμα Σπουδών "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
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Τίτλος Προπτυχιακού Μαθήματος: "Διπλωματική Εργασία"
Τμήμα Χημικών Μηχανικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη.
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Τμήμα Χημείας και Βιολογίας
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"Απομόνωση και Σύνθεση Φυσικών Προϊόντων με Βιολογική Δραστικότητα"
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"Απομόνωση και Σύνθεση Φυσικών Προϊόντων με Βιολογική Δραστικότητα"
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"Απομόνωση και Σύνθεση Φυσικών Προϊόντων με Βιολογική Δραστικότητα"
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Διδασκαλία θεωρίας και εφαρμογών της τεχνολογίας ζυμώσεως σε μεταπτυχιακούς φοιτητές και μεταδιδακτορικούς ερευνητές.
Τίτλος Προπτυχιακού Μαθήματος: "Undergraduate Research Opportunities"
Τμήμα Χημείας, M.I.T., Cambridge, MA, Η.Π.Α.

Εκπαιδευτής Ερευνητής 1988 – 1993
Διδασκαλία εφαρμογών αναλυτικών και βιοχημικών τεχνικών μικροβιακών ζυμώσεων σε προπτυχιακούς φοιτητές και επιστήμονες της βιομηχανίας από διεπιστημονικά προγράμματα.
Τίτλος Προπτυχιακού Μαθήματος: "Undergraduate Research Opportunities"
Τμήμα Χημικών Μηχανικών, M.I.T., Cambridge, MA, Η.Π.Α.

Επισκέπτης Λέκτορας 1991
Τίτλος Προπτυχιακού Μαθήματος: "Περιβαλλοντική Μικροβιολογία"
Τμήμα Πολιτικών Μηχανικών, M.I.T., Cambridge, MA, Η.Π.Α.

Λέκτορας και Εκπαιδευτής 1990 – 1991
Τίτλος Προπτυχιακού Μαθήματος: "Βιοτεχνολογία και Ζύμωση"
Τμήμα Χημείας και Τμήμα Χημικών Μηχανικών, M.I.T., Cambridge, MA, Η.Π.Α.

Βοηθός Ερευνητής 1985 – 1988
Διδασκαλία τριτοετών φοιτητών στην εφαρμογή αναλυτικών
και κρυσταλλογραφικών τεχνικών ακτίνων Χ για τον δομικό χαρακτηρισμό
νέων συνθετικών υλικών.
Τμήμα Χημείας, Πανεπιστήμιο Michigan, Ann Arbor, MI, Η.Π.Α.

Βοηθός Διδασκαλίας 1982 – 1983
Διδασκαλία και πειραματική καθοδήγηση εργαστηρίων
Γενικής και Ανόργανης Χημείας.
Εθελοντική διδασκαλία, καθοδήγηση και προγύμναση προπτυχιακών φοιτητών
στην Ανόργανη και Γενική Χημεία.
Τμήμα Χημείας, Πανεπιστήμιο Iowa, Iowa City, IA, Η.Π.Α.

ΔΙΔΑΣΚΑΛΙΑ ΣΤΟ ΠΛΑΙΣΙΟ ΤΟΥ ΠΡΟΓΡΑΜΜΑΤΟΣ ERASMUS

- Τμήμα Παραγωγής και Τεχνολογίας Τροφίμων 2000-παρόν
  Banat's University of Agricultural Sciences and Veterinary Medicine
  "King Michael I of Romania" from Timisoara
  Timisoara, Romania

- Τμήμα Χημείας και Βιολογίας 2006-παρόν
  West University of Timisoara
  Timisoara, Romania

- Τμήμα Εφαρμοσμένης Χημείας και Επιστήμης Υλικών 2006-2008
  Polytechnic University of Bucharest
  Bucharest, Romania

- Τμήμα Χημείας 2013-παρόν
  University of Bucharest
  Bucharest, Romania

- Τμήμα Ανόργανης και Αναλυτικής Χημείας 2002-2008
  University of Szeged
  Szeged, Hungary

ΒΡΑΒΕΙΑ, ΘΕΣΕΙΣ ΕΥΘΥΝΗΣ, ΚΑΙ ΔΙΑΚΡΙΣΕΙΣ

- **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-παρόν

- SBIC Flash Presentation Award July 2021
  eBIC 2021 Conference

"Bringing inorganic chemistry to life"
The Society of Biological Inorganic Chemistry
July 20 – 21, 2021

- 1st Award for best poster in the — February 2021
  1st Virtual Conference of young scientists
  "Mineral Resources-Environment-Chemical Engineering"
  February 26 – 28, 2021, Kozani, Greece

- 2nd Award for best poster in the 13th Cyrpus-Greece Chemistry Conference — November 2019
  October 31-November 3, 2019, Nicosia, Cyprus

- Head of the Inorganic Chemistry thematic area — 2020-παρόν
  Hellenic Open University, Patras, Greece — 2016-2017

- 1st Award on the best unpublished work presented during the *2nd Panhellenic Congress on Thoracic and Environmental Diseases* — November 2016
  November, 10-13, 2016, Thessaloniki, Greece.

- **Editorial Board** — 2014-2018
  Journal of Inorganic Biochemistry

- **Editorial Board** — 2015-παρόν
  International Journal of Molecular Sciences

- **Elected Member of the Romanian Society of Cell Biology** — 2013
  Timisoara, Romania

- **Member of the Scientific Council** — 2012- παρόν
  National Institute of Research and Development for Electrochemistry and Condensed Matter (INCEMC)
  Timisoara, Romania

- **Diploma Gratitude** — 2012
  Contribution to the Graduate School Program
  West University of Timisoara
  Timisoara, Romania

- **Elected Member International Advisory Committee** of ISABC — 2009
  Debrecen, Hungary

- **Επίτιμος Καθηγητής** — 2006-παρόν
  Τμήμα Εφαρμοσμένης Χημείας και Χημείας Υλικών
  Πολυτεχνείο Βουκουρεστίου, Βουκουρέστι, Ρουμανία

- **Elected Member of the Board** of Advisors of

the European Journal of Inorganic Chemistry 2004-2010
European Chemical Society

- **Adjunct Professor** 2005-παρόν
  Faculty of Food Processing Technology
  Banat University of Agricultural Sciences and Veterinary Medicine
  Timisoara, Romania

- **Adjunct Professor** 2005-παρόν
  Faculty of Chemistry-Biology-Geography
  Postgraduate Studies Program
  West University of Timisoara
  Timisoara, Romania

- **Υποτροφία Υπουργείου Εθνικής Παιδείας και Θρησκευμάτων** 2004
  Τμήμα Χημείας
  University of Szeged, Szeged, Hungary

- Αντιπρόσωπος της Biological Inorganic 1998-παρόν
  Chemical Society στην Ελλάδα

- **Υποτροφία Επιστημονικής Έρευνας NATO** 2003
  (Senior Science Fellowship)
  Τμήμα Τεχνολογίας Επεξεργασίας Τροφίμων
  Banat University of Agricultural and Veterinary Medicine
  Timisoara, Romania

- **Βραβείο Διακεκριμένης Προσφοράς στην Τριτοβάθμια Εκπαίδευση** 2003
  από τον Νομάρχη Πιερίας
  Σε αναγνώριση της Ακαδημαϊκής Αριστείας και
  των προσπαθειών για την προώθηση της τριτοβάθμιας
  εκπαίδευσης στην Πιερία

- **Υποτροφία Υπουργείου Εθνικής Παιδείας και Θρησκευμάτων** 2000
  Τμήμα Χημείας
  University of Bergen, Bergen, Norway

- **Υποτροφία Υπουργείου Εθνικής Παιδείας και Θρησκευμάτων** 1999
  Τμήμα Χημείας
  Charles University, Prague, Czech Republic

- **Υποτροφία Επιστημονικής Έρευνας NATO** 1999, 2000
  (Senior Science Fellowship)
  Τμήμα Χημείας
  Jozsef Attila University, Szeged, Hungary

- **Υποτροφία Μεταδιδακτορικής Έρευνας NATO** 1988 - 1989
  Τμήμα Χημείας
  Massachusetts Institute of Technology, Cambridge, MA, Η.Π.Α.

- Υποτροφία Knoller 5/1986 - 6/1986
  Τμήμα Χημείας
  Πανεπιστήμιο Michigan, Ann Arbor, MI, Η.Π.Α.

- Υποτροφία του Πανεπιστημίου Michigan 1984 - 1985
  Σχολή Μεταπτυχιακών Σπουδών Rackham, Ann Arbor, Η.Π.Α.

- **Υποτροφία Ιδρύματος Κρατικών Υποτροφιών** 1978 - 1982
  (Ι.Κ.Υ. Υποτροφίες). Απονέμονται ετησίως σε Πανελλαδική κλίμακα.
  Τμήμα Χημείας, **Αριστοτέλειο Πανεπιστήμιο** Θεσσαλονίκης.

- **Υποτροφία Έρευνας** 6/1981 - 9/1981
  Απενεμήθη από την Γερμανική Υπηρεσία
  Ακαδημαϊκών Ανταλλαγών (**D.A.A.D.**).
  Τμήμα Χημείας, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης.

- **Υποτροφία Δημοτικού Συμβουλίου και Δημάρχου Κατερίνης Πιερίας** 1981
  Απονέμεται ετήσια σε προπτυχιακούς φοιτητές για άριστες ακαδημαϊκές επιδόσεις.

ΔΙΟΙΚΗΤΙΚΑ ΚΑΘΗΚΟΝΤΑ

- Διευθυντής Τομέα Χημείας 2019-παρόν
  Τμήμα Χημικών Μηχανικών 2013-2015
  Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

- Αντιπρόσωπος της Ελλάδας στον τομέα της Χημείας 2019-παρόν
  των Επιστημών Υγείας
  της Ευρωπαϊκής Ένωσης Χημείας (EuChemS)

- Αντιπρόσωπος της Ελλάδας στον τομέα της Ανόργανης Χημείας 2016-2019
  της Ευρωπαϊκής Ένωσης Χημείας (EuChemS)

- Συντονιστής της Ανόργανης Χημείας 2016-παρόν
  Σχολή Φυσικών Επιστημών
  Ελληνικό Ανοικτό Πανεπιστήμιο

- Διευθυντής Εργαστηρίου Ανόργανης Χημείας 2008-παρόν
  Τμήμα Χημικών Μηχανικών
  Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

- Διευθυντής του Μεταπτυχιακού Προγράμματος 2008-2010
  "Διεργασίες και Τεχνολογία Προηγμένων Υλικών"
  Πολυτεχνική Σχολή
  Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης, Θεσσαλονίκη

ΥΠΗΡΕΣΙΑ ΣΕ ΕΠΙΤΡΟΠΕΣ ΚΑΙ ΕΠΙΣΤΗΜΟΝΙΚΟΥΣ ΘΕΣΜΟΥΣ

Επιστημονικά Περιοδικά

- Reviewer for the ACS Journal of Inorganic Chemistry 1998-παρόν
- Reviewer for the ACS Journal JACS 1999-παρόν
- Reviewer for the ACS Applied Material Surfaces 2021-παρόν
- Reviewer for Analyst 2007-παρόν
- Reviewer for the African Journal of Agricultural Research 2010-παρόν
- Reviewer for the African Journal of Microbiology Research 2010-παρόν
- Reviewer for Applied Organometallic Chemistry 2010-παρόν
- Reviewer for the Arabian Journal of Chemistry 2015-παρόν
- Reviewer for the Australian Journal of Chemistry 2010-παρόν
- Reviewer Bioactive Compounds 2020-παρόν
- Reviewer for Bioinorganic Chemistry and Applications 2003-παρόν
- Reviewer for Biomed Central Cancer 2013-παρόν
- Reviewer for Biomedical and Environmental Sciences 2014-παρόν
- Reviewer Biological Trace Element Research 2015-παρόν
- Reviewer for Cancer, Immunology and Immunotherapy 2015-παρόν
- Reviewer for Cell Death and Disease 2015-παρόν
- Reviewer for the Central European Journal of Medicine 2007-παρόν
- Reviewer for the Central European Journal of Chemistry 2009-παρόν
- Reviewer for Chemistry Central Journal 2015-παρόν
- Reviewer for the Chinese Journal of Oceanology-Limnology 2013-παρόν
  Reviewer for the International Journal of Environmental Analytical Chemistry 2012-παρόν
- Reviewer for the International Research Journal of Pharmacy and Pharmacology 2012-παρόν
- Reviewer for the International Journal of Environmental Analytical Chemistry 2012-παρόν
- Reviewer for the International Journal of Molecular Sciences 2013-παρόν
- Reviewer for the Journal of African Chemistry 2009-παρόν
- Reviewer for the Journal of Applied Phycology 2014-παρόν
- Reviewer for the Journal of Thermal Analysis and Calorimetry 2013-παρόν
- Reviewer for Chemistry: A European Journal 2004-παρόν
- Reviewer for Desalination and Water treatment 2008-παρόν
- Reviewer for Drug Delivery Letters 2013-παρόν
- Reviewer for the European J. of Inorganic Chemistry 2004-παρόν
- Reviewer for the Journal FEBS 2010-παρόν
- Reviewer for Food Chemistry 2005-παρόν
- Reviewer for the Journal Fresenius 2008-παρόν
- Reviewer for Inorganica Chimica Acta 2003-παρόν
- Reviewer for Inorganic Chemistry Communications 2003-παρόν
- Reviewer for the Journal of Agricultural and Food Chemistry 2005-παρόν
- Reviewer for Journal of Analytical Atomic Spectrometry 2011-παρόν
- Reviewer for the Journal Advances in RSC 2013-παρόν
- Reviewer for the Journal of Chromatography 2005-παρόν
- Reviewer for the Journal of Coordination Chemistry 2008-παρόν

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

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

Ερευνητικά Προγράμματα Βιοτεχνολογίας

- Αξιολογητής-Εμπειρογνώμονας Ερευνητικών Προγραμμάτων ¨ΕΛΙΔΕΚ¨ για το Υπουργείο Ανάπτυξης και Επενδύσεων 2019-παρόν
- Αξιολογητής Ερευνητικών Προγραμμάτων ¨Ερευνώ-Καινοτομώ¨ για το Υπουργείο Ανάπτυξης και Επενδύσεων 2017-παρόν
- Αξιολογητής Ερευνητικών Προγραμμάτων για την Swiss National Science Foundation 2018-παρόν
- Αξιολογητής Ερευνητικών Προγραμμάτων για την Bulgarian National Science Fund (BNSF) 2016-παρόν
- Αξιολογητής Ερευνητικών Προγραμμάτων για την Croatian Science Foundation 2016-παρόν
- Αξιολογητής Ερευνητικών Προγραμμάτων για την Polish National Science Center 2016-παρόν
- Αξιολογητής Ερευνητικών Προγραμμάτων για Το Ελληνικό Ίδρυμα Έρευνας & Καινοτομίας (EDBM 34) 2016-παρόν
- Αξιολογητής Ερευνητικών Προγραμμάτων για την Romanian National Authority for Scientific Research and Innovation (UEFISCDI) 2015-παρόν
- Αξιολογητής Ερευνητικών Προγραμμάτων για την Qatar National Reseacrh Fund (QNRF) 2015-παρόν
- Αξιολογητής Ερευνητικών Προγραμμάτων OTKA (National Hungarian Grant Agency) 2014-παρόν
- Αξιολογητής Ερευνητικών Προγραμμάτων Ευρωπαϊκής Ένωσης (ERA-Net ERAfrica) 2012-παρόν
- Αξιολογητής Προγραμμάτων Ευρωπαϊκής Ένωσης (SEE-ERA NET.PLUS) 2010-παρόν
- Αξιολογητής Προγραμμάτων Ιδρύματος Κρατικών Υποτροφιών (ΙΚΥ) 2008-παρόν
- Αξιολογητής Ερευνητικών Προγραμμάτων του Ιδρύματος Προώθησης Έρευνας της Κύπρου 2008-παρόν
- Αξιολογητής Προγραμμάτων της ΓΓΕΤ 2002-παρόν
- Αξιολογητής Προγραμμάτων του Υπουργείου Παιδείας 2002-παρόν
- Αξιολογητής Προγραμμάτων Ευρωπαϊκής Ένωσης (SEE-ERA NET) 2007-2008

- Αξιολογητής (Reviewer) Ερευνητικών Προγραμμάτων Βιοτεχνολογίας του Natural Environment Research Council (NERC) στη Μ. Βρετανία 1999-παρόν

Πανεπιστημιακές Επιτροπές

- Επταμελές Όργανο Επιτροπής Ερευνών (κατόπιν εκλογών) Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης 2008-2015
- Επιτροπή Ίδρυσης του Κέντρου Διεπιστημονικής Έρευνας και Καινοτομίας (ΚΕΔΕΚ) Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης 2010-2014
- Επιτροπή Αξιολόγησης υποτροφιών αριστείας υποψηφίων διδακτόρων και μεταδιδακτόρων του ΑΠΘ 2007-2015
- Επιτροπή Βιοηθικής Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης 2012-2015
- Επιτροπή Αξιολόγησης και Διασφάλισης Ποιότητας Σπουδών ΟΜΕΑ και ΜΟΔΙΠ Αριστοτελείου Πανεπιστημίου 2011-παρόν
- Επιτροπή Εργαστηριακών Υποδομών, Συντήρησης και Ασφάλειας Κτιρίων Τμήμα Χημικών Μηχανικών Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης 2005-παρόν
- Επιτροπή Προγραμματισμού Προσωπικού Τμήμα Χημικών Μηχανικών Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης 2007-2012
- Επιτροπή Προγράμματος Σπουδών Τμήμα Χημικών Μηχανικών Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης 2007-2015
- Αντιπρόσωπος Τμήματος Χημικών Μηχανικών στην Επιτροπή Ερευνών Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης 2007-2015
- Ειδική Διατμηματική Επιτροπή του Διαπανεπιστημιακού Προγράμματος Σπουδών "Βιοανόργανη Χημεία" Τμήμα Χημείας, Πανεπιστήμιο Ιωαννίνων 2000-2015
- Επιτροπή Κατατακτήριων Εξετάσεων Τμήματος Χημικών Μηχανικών Τμήμα Χημικών Μηχανικών Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης 2004-2014
- Ειδική Διατμηματική Επιτροπή του Διατμηματικού Προγράμματος Σπουδών "Προστασία, Συντήρηση και Αποκατάσταση Μνημείων Πολιτισμού" Πολυτεχνική Σχολή, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης 2006-2010
- Επιτροπή Ανάπτυξης Μεταπτυχιακών Σπουδών στην Πολυτεχνική Σχολή Κοσμητεία Πολυτεχνικής Σχολής, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης 2006-2010
- Επιτροπή Εκπαιδευτικής διαδικασίας και Προγράμματος Σπουδών Τμήμα Χημικών Μηχανικών Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης 2005-2014

- Επιτροπή Εργαστηριακών Υποδομών και Οικονομικών 2004-παρόν
  Τμήμα Χημικών Μηχανικών
  Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης
- Επιτροπή Διεθνών Σχέσεων 2004-2005
  Τμήμα Χημικών Μηχανικών
  Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης
- Επιτροπή Λέσχης Σίτισης της Σχολής Θετικών Επιστημών 1998-1999
  Τμήμα Χημείας, Πανεπιστήμιο Κρήτης
- Επιτροπή Ελέγχου Υγιεινής Χώρων 1998-2003
  της Σχολής Θετικών Επιστημών
  Τμήμα Χημείας, Πανεπιστήμιο Κρήτης
- Επιτροπή Χημικής ασφάλειας και αποβλήτων 1998-2003
  της Σχολής Θετικών Επιστημών
  Τμήμα Χημείας, Πανεπιστήμιο Κρήτης
- Επιτροπή Προπτυχιακών Σπουδών 1997-2000
  Τμήμα Χημείας, Πανεπιστήμιο Κρήτης
  Επιτροπή Βιβλιοθήκης 1997-2003
  Τμήμα Χημείας, Πανεπιστήμιο Κρήτης

Εκπαίδευση και Έρευνα

- Εκπαίδευση Φοιτητών Χημικών Μηχανικών 2005-παρόν
  στην Ασφάλεια Χημικών και Βιολογικών Εργαστηρίων

- Κέντρο Εκπαίδευσης και Διανομής 1997-παρόν
  Κρυσταλλογραφικών Δεδομένων
  της Cambridge Crystallographic Structural Database System.
  Επιστημονικός Υπεύθυνος για την Πανεπιστημιακή κοινότητα στην Ελλάδα

ΔΙΟΙΚΗΤΙΚΕΣ ΘΕΣΕΙΣ

- Διευθυντής Εργαστηρίου Ανόργανης Χημείας 2008-παρόν
  και Χημείας Προηγμένων Υλικών
  Τμήμα Χημικών Μηχανικών
  Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

- Διευθυντής Τομέα Χημείας 2019-παρόν
  Τμήμα Χημικών Μηχανικών 2013-2015
  Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

- Μέλος της Διοικούσας Επιτροπής 2013-2015
  Κέντρο Διεπιστημονικής Έρευνας και Τεχνολογίας
  Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

- Διευθυντής Μεταπτυχιακού Προγράμματος Σπουδών 2008-2010
  “Διεργασίες και Τεχνολογίας Προηγμένων Υλικών”

Πολυτεχνική Σχολή
Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης

ΕΠΑΓΓΕΛΜΑΤΙΚΕΣ ΣΥΜΜΕΤΟΧΕΣ

Ανόργανη Βιολογική Χημική Ένωση (SBIC)	1997 – 2015
Ένωση Ελλήνων Επιστημόνων Βοστώνης (HSAB)	1991 – παρόν
Ένωση Ελλήνων Χημικών	2004 – παρόν
Αμερικανική Χημική Ένωση (ACS)	2005 – 2010

ΠΡΟΣΩΠΙΚΑ

Έγγαμος. Δύο παιδιά
Γλώσσες: Ελληνικά, Αγγλικά, Γερμανικά

ΚΑΤΑΛΟΓΟΣ ΔΗΜΟΣΙΕΥΣΕΩΝ

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2. Ph.D. Studies in the Science of Chemical Engineering
A. Salifoglou, G. Sakellaropoulos
Polymichano **2008**, *22*, 81-84.

ΕΡΕΥΝΗΤΙΚΟ ΚΑΙ ΕΚΠΑΙΔΕΥΤΙΚΟ ΕΡΓΟ
ΔΙΔΑΚΤΟΡΙΚΕΣ ΔΙΑΤΡΙΒΕΣ (Ph.D.)

	Thesis Title	Ph.D. candidate	Year	Institution
1	The study of giant magnetoresistance effect in the $LaNi_{1-x}CoO_3$ solid solution	John Androulakis	2002	Department of Chemistry University of Crete Heraklion, Greece
2	Συνθετικές, φασματοσκοπικές και δομικές μελέτες ειδογένεσης του ινσουλινομιμητικού βαναδίου παρουσία φυσιολογικών υποκαταστατών σε υδατικά διαλύματα	Maria Kaliva	2003	Department of Chemistry University of Crete Heraklion, Greece
3	Σύνθεση, Απομόνωση και Φυσικοχημικός Χαρακτηρισμός Ενώσεων μεταξύ O-, N-Οργανικών Υποκαταστατών και Μεταλλοτοξινών	Catherine Gabriel	2009	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
4	Μελέτη της δομικής ειδογένεσης και των φθορισμομετρικών ιδιοτήτων οργανικών υποστρωμάτων με τοξικά μεταλλοϊόντα σε υδατικό και μη υδατικό περιβάλλον	Melita Menelaou	2009	
5	Δομική ειδογένεση μεταλλοϊοντικών συμπλόκων τιτανίου με φυσιολογικά υποστρώματα σε υδατικά συστήματα με βιολογικές εφαρμογές.	Panagiotis Panagiotidis	2009	
6	Μελέτη της επίδρασης μεταλλοτοξινών στις νευροεκφυλιστικές διαδικασίες με έμφαση στη νόσο Alzheimer	Christiane Nday	2009	
7	Μελέτη αλληλεπιδράσεων οξειδωτικού stress μεταλλοτοξινών με αμυλοειδείς στόχους στην ασθένεια Alzheimer	Bill Georgantas	2013	
8	Μελέτη αλληλεπίδρασης μεταλλοϊόντων με H-ras και K-ras ογκογονίδια. Εστίαση στο καρκινογόνο κάδμιο και στην ανάπτυξη αντικαρκινικών	Savvas Petanidis	2013	

	μεταλλοφαρμάκων βαναδίου			
9	Δομική ειδοκατανομή στη μελέτη βαναδο-φαρμακευτικών υλικών με ινσουλινομιμητική και αντικαρκινική δράση	Efrosini Kioseoglou	2013	
10	Μελέτη εγκλεισμού πολυλειτουργικών ανόργανων-οργανικών υβριδικών υλικών σε φορείς συμβατούς με ιστολογικά αποκλίνοντες στόχους. Μεταφορά και ελεγχόμενη απόδοση.	Eleftherios Halevas	2014	
11	Μελέτη ανάπτυξης μοντέλων δομής-δραστικότητας νέων μεταλλοφαρμάκων βαναδίου και ψευδαργύρου με βάση μοριακούς δείκτες ινσουλινομίμησης στο διαβήτη τύπου ΙΙ.	Olga Tsave	2016	
12	Δυαδικά και τριαδικά υβριδικά υλικά τιτανίου και καδμίου με φυσιολογικά υποστρώματα σε βιολογικές εφαρμογές.	Catherine Iordanidou	2018	
13	Ινσουλινομιμητική (νανο)βιοτεχνολογία μεταλλοσυμπλόκων φλαβονοειδών και βιοδιαθέσιμης πρόπολης με ταυτοποίηση δομο-εξαρτώμενων βιοδεικτών στο διαβήτη τύπου ΙΙ	Sevasti Matsia	2022	
14	Ανάπτυξη προηγμένων υλικών (προσθετικών και μη) με ιδιότητες που ενισχύουν τη σύσταση, φυσικοχημικό προφίλ και μηχανικές ιδιότητες του τσιμέντου ή υλικών επικάλυψης.	Athanasios Malakopoulos	2022	
15	Ανάπτυξη, σχεδίαση και κατασκευή (υπο)δομών τρισδιάστατης εκτύπωσης εμφυτευμάτων από σύνθετα προηγμένα υλικά με βιοτεχνολογικές εφαρμογές.	Konstantinos Rogotis	2022	
16	Ανάπτυξη τεχνολογίας πολυλειτουργικών υλικών με έμφαση σε διαγνωστικά (μεταλλο)τοξινών σε περιβαλλοντικά υγρά, τρόφιμα και βιολογικά υγρά.	Maria Perikli	Ph.D. Candidate	

17	Διαγνωστική τεχνολογία (μεταλλο)οργανικών υβριδικών υλικών, φυσικών προϊόντων και παραγώγων τους με έμφαση στη μελέτη φυσικοχημικών διεργασιών σε βιολογικά υγρά.	Marios Maroulis	2023	
18	Υβριδικά μεταλλοφάρμακα σε βιομιμητικά μοντέλα αντιδιαβητικής τεχνολογίας	Eugene Koutouvela	Ph.D. Candidate	
19	Υβριδικά μεταλλοφαρμακευτικά προϊόντα μετάλλου-οργανικού στην παθοφυσιολογία και τη διαγνωσοθεραπευτική του ανθρώπου	Anna Kaoulla	Ph.D. Candidate	
20	(Βιο)Υλικά βαναδίου, ως θεραπευτικά υλικά υβριδικού χαρακτήρα σε τρόφιμα και βιολογικά υγρά.	George Lazopoulos	Ph.D. Candidate	
21	Ανάπτυξη σύνθετων υλικών σε διεργασίες τρισδιάστατης εκτύπωσης με στόχο βιοϊατρικές εφαρμογές	Abraham Nikopoulos	Ph.D. Candidate	

ΔΙΑΤΡΙΒΕΣ ΜΕΤΑΠΤΥΧΙΑΚΟΥ ΔΙΠΛΩΜΑΤΟΣ ΕΙΔΙΚΕΥΣΗΣ (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	2012	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
8	Sofia Aggeli	2012	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	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 Thessaloinki
20	M. Karamitrou	July 13, 2020	Graduate program "Chemical and Biomolecular Engineering" School of Chemical Engineering, Aristotle University of Thessaloinki
21	S. Koumpia	July 13, 2020	Graduate program "Chemical and Biomolecular Engineering" School of Chemical Engineering, Aristotle University of Thessaloinki
22	D. Karagiannidou	December 7, 2021	Graduate program "Chemical and Biomolecular Engineering" School of Chemical Engineering, Aristotle University of Thessaloinki
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

ΔΙΠΛΩΜΑΤΙΚΕΣ ΕΡΓΑΣΙΕΣ

	Thesis Title	Undergraduate student	Year	Institution
1	Η χημεία του βαναδίου με δι- και τρι-καρβοξυλικά οξέα στα ενεργά κέντρα βιολογικών συστημάτων	Evangelia Kotsifaki	1997	Department of Chemistry University of Crete Heraklion, Greece
2	In vitro μελέτη αντιοξειδωτικών ιδιοτήτων και αλληλεπίδρασης πολυφαινολών με σίδηρο στο τσάϊ	Christina Matsingou	1997	
3	Η χημική συγγένεια του βαναδίου με δι(τρι)καρβοξυλικά οξέα	Maria Tsaramyrsi	1998	
4	Σύμπλοκα μεταλλοϊόντων με κιτρικά. Σύνθεση και χαρακτηρισμός	Manolis Matzapetakis	1998	
5	Βιοανόργανα σύμπλοκα ψευδαργύρου από το ενεργό κέντρο της πορφοχολινογονικής συνθάσης	Nick Kotsakis	1998	
6	Βιοανόργανα σύμπλοκα Zn(II) από το ενεργό κέντρο της πορφοχολινογονικής συνθάσης.	Helen Papadimou	1998	
7	Ρόλος του συστήματος ακτίνης του κυτταρικού σκελετού στη ρυθμιζόμενη από οπιοειδή έκκριση των κατεχολαμινών από νευροενδοκρινικά κύτταρα in vitro	Maria Metaxari	1998 (Συνεπίβλεψη με Α. Μαργιωρή στο Εργαστήριο Κλινικής Χημείας της Ιατρικής Σχολής)	
8	Ανθρώπινος αυξητικός παράγοντας μετασχηματισμού TGF-β1. Μελέτη της επίδρασης των οπιοειδών στην 5'-επαγωγο περιοχή του γονιδίου TGF-β1 σε διαμολυσμένα καρκινικά κύτταρα ενδομητρίου και μαστού	John Damianakis	1998 (Συνεπίβλεψη με Α. Γραβάνη στο Εργαστήριο Φαρμακολογίας της Ιατρικής Σχολής)	
9	Υδατική Χημεία του Μολύβδου με το κιτρικό οξύ. Βιολογικές συνέπειες.	Markos Kourgiantakis	1999	
10	Βιοανόργανα σύμπλοκα ψευδαργύρου από το ενεργό κέντρο της προφοχολινογονικής	Despoina Kavousanaki	1999	

	συνθάσης			
11	Μελέτη βαναδίου με δι-τρι και υδροξυ καρβοξυλικά οξέα	Maria Kaliva	2000	
12	Το βανάδιο ως κεντρικό μεταλλικό ιόν σε βιολογικούς υποκαταστάτες	Thomais Giannadaki	2000	
13	Μελέτη των αντιοξειδωτικών ιδιοτήτων διαφόρων φυτών και βοτάνων της Ελλάδος.	Irene Plevri	2000	
14	Σύμπλοκα μεταλλοϊόντων με κιτρικά. Σύνθεση κα χαρακτηρισμός	Marianna Dakanali	2001	
15	Σύνθεση, απομόνωση και φυσικοχημικός χαρακτηρισμός συμπλόκων του βαναδίου με υποκαταστάτες το μαλονικό οξύ, κινικό οξύ και το Glyphosate	John Avagianos	2001	
16	Μελέτη επίδρασης βαρέων μετάλλων στη μεταγραφική ρύθμιση των ογκογονιδίων της οικογένειας RAS I	Catherine Kavroulaki	2001	
17	Υδατική Χημεία βαναδίου(IV,V) με το κιτρικό οξύ	Emanuel Kyriakakis	2002	
18	Υδατική Χημεία Μεταβατικών μετάλλων με φυσιολογικά Ligands	Evangelos Kefalas	2002	
19	Μελέτη αντιοξειδωτικών ιδιοτήτων και HPLC ανάλυση εκχυλισμάτων φασκόμηλου από οργανικούς διαλύτες	Nick Petrakis	2002	
20	Σύμπλοκα μετάλλων με οργανικούς υποκαταστάτες. Σχέση με βιολογική δραστικότητα μεταλλοϊόντων σε βιολογικά υγρά	Markos Daskalakis	2002	
21	Σύμπλοκα μετάλλων με οργανικούς υποκαταστάτες βιολογικής δραστικότητας	Stamatia Kountouri	2002	
22	Μελέτη επίδρασης βαρέων μετάλλων στη μεταγραφική ρύθμιση των ογκογονιδίων της οικογένειας RAS II	Themis Alissafi	2002	
23	Σύμπλοκα του αλουμινίου με υποκαταστάτες βιολογικής σημασίας	Maria Manioudaki	2003	
24	Υδατική Χημεία του αργιλίου παρουσία κιτρικού, μηλικού και ταρταρικού οξέος	Theodora Papadomanolaki	2003	

25	Μελέτη αντιοξειδωτικών ιδιοτήτων σε αφέψημα: Λουίζα-Τίλιο - Μέντα- Τσάϊ βουνού, έναντι οξείδωσης καταλυόμενης από Fe. Προσδιορισμός πολυφαινολών	Sonia Kargaki	2003	
26	Συνθετικές προσεγγίσεις οργανικών χημικών υποκαταστατών	Christophoros Chalampalakis	2003	
27	Μελέτη επίδρασης βαρέων μετάλλων στη μεταγραφική ρύθμιση των ογκογονιδίων της οικογένειας RAS III	Maria Kyriakou	2003	
28	Extraction of interesting components from the herb *Salvia Officinalis* 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 *Salvia Fruticosa*	David Saout	2002 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
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	Υδατική χημεία του καδμίου με το τρυγικό οξύ. Απομόνωση, δομικός και φασματοσκοπικός χαρακτηρισμός νέου υλικού του συστήματος Cd(II)-τρυγικού οξέος	Panagiotis Roditis	2005	Department of Chemical Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
32	Σύνθεση, απομόνωση, δομικός και φασματοσκοπικός χαρακτηρισμός νέων συμπλόκων ενώσεων του Co(II) με οργανικά υποστρώματα	Antonia Konstantopai	2006	
33	Σύνθεση, απομόνωση, δομικός και φασματοσκοπικός χαρακτηρισμός υδατοδιαλυτών υλικών του βαναδίου με φυσιολογικά υποστρώματα. Συσχετισμός με την ινσουλινομιμητική δράση του βαναδίου.	John Venetis	2007	
34	Σύνθεση, απομόνωση, δομικός και φασματοσκοπικός χαρακτηρισμός νέων κρυσταλλικών ενώσεων του νικελίου(II) με οργανικά υποστρώματα	Vassiliki Vamvourelli	2008	
35	Σύνθεση, απομόνωση, δομικός και φασματοσκοπικός χαρακτηρισμός νέων ενώσεων του υδράργυρου(II) και του καδμίου(II) με οργανικούς υποκατάστατες	John Kylindris	2008	
36	Ο χρυσός στην κατάλυση	Konstantinos Chrontzios	2008	
37	Τεχνολογίες και εφαρμογές στη βιομηχανία τσιμέντου	Alexander Papadopoulos	2008	
38	Μελέτη πλειοτροπικής τοξικότητας δυαδικών συνθετικών ενώσεων βαναδίου και καδμίου με κιτρικό οξύ σε μύες	Antigoni Georgiou	2009	
39	Η υδατική χημεία των τρισθενών μεταλλοϊόντων Al(III) και Cr(III) με οργανικά υποστρώματα	Anna Tsimpou	2009	
40	Μελέτη της υδατικής χημείας του μολύβδου(II) και του υδραργύρου(II) παρουσία οργανικών υποστρωμάτων	Maria Perikli	2009	
41	Συνθετικές προσεγγίσεις στη	Urania	2010	

	χημεία του καδμίου(II) με οργανικά O-, N-ligands	Oikonomidou		
42	Σύνθεση, απομόνωση και φυσικοχημικός χαρακτηρισμός ενώσεων μεταξύ O-, N-οργανικών υποστρωμάτων και μεταλλοτοξινών	Evangelia Vavoura	2010	
43	Μελέτη της χημείας του δισθενούς κοβαλτίου(II) με O- και N,O-ligands	Maria Panidou	2010	
44	Μελέτη της χημικής συμπεριφοράς O- και (N,O)-ligands με μεταβατικά μεταλλοϊόντα	Erasmia Vournari	2010	
45	Σύνθεση, απομόνωση και φυσικοχημικός χαρακτηρισμός υδατοδιαλυτών υλικών ψευδαργύρου με φυσιολογικά υποστρώματα. Συσχετισμός με την ινσουλινομιμητική δράση του ψευδαργύρου.	Theodore Architectonidis	2010	
46	Μελέτη της χημικής συμπεριφοράς του δισθενούς χαλκού Cu(II) με O- και N,O-ligand σε υδατικό και μη υδατικό περιβάλλον	Pantelitsa Loizia	2011	
47	Σύνθεση, απομόνωση, δομικός και φυσικοχημικός χαρακτηρισμός νέων κρυσταλλικών υβριδικών υλικών με βάση το μεταλλοϊόν του ζιρκονίου	Chris Gavriilidis	2011	
48	Σύνθεση, απομόνωση και χαρακτηρισμός υβριδικών υλικών του Cu(II) και του Co(II) με οργανικά (N,O)-υποστρώματα	Lamprini Ioannou	2011	
49	Σύνθεση νέων υβριδικών υλικών του Pb(II) με αμινο-φωσφονικά οξέα μέσω χρήσης της υδροθερμικής μεθόδου	Olga Miliou	2011	
50	Study of the aqueous chemistry of Al(III) in the presence of physiological substrates	Eva Hadzigeorgiou	2012	
51	Σύνθεση, απομόνωση και φυσικοχημικός χαρακτηρισμός νέας υβριδικής ένωσης με βάση το μεταλλοϊόν του ζιρκονίου	Manolis Koutroumpis	2013	
52	Σύνθεση, απομόνωση, δομικός	Artemis	2013	

	και φασματοσκοπικός χαρακτηρισμός νέων πολυαδικών συστημάτων βισμουθίου(III) με οργανικά υποστρώματα	Tsiaprazi-Stamou		
53	Σύνθεση και φυσικοχημικός χαρακτηρισμός βιοκαταλυτών με εγκλεισμό ενζύμων σε υδρόφοβη πυριτία.	Nancy Tziamourani	2014	
54	Σύνθεση, απομόνωση, δομικός και φασματοσκοπικός χαρακτηρισμός υβριδικών συμπλόκων υδραργύρου παρουσία φυσιολογικών υποκαταστατών.	Maria Barouta	2014	
55	Σύνθεση, απομόνωση, δομικός και φυσικοχημικός χαρακτηρισμός υβριδικών ενώσεων του La(III) με υβριδικά υποστρώματα	Χρήστος Κρίκης	2014	
56	Μελέτη της χημείας 3d-4f ετερομεταλλικών λανθανιδικών υβριδικών υλικών Ln-MOFs με δικαρβοξυλικούς υποκαταστάτες	Ρεβέκκα Τεκίδου	2014	
57	Σχεδιασμός και σύνθεση δυαδικών-τριαδικών υλικών μολύβδου με δικαρβοξυλικά οξέα μεγάλης ανθρακικής αλυσίδας	Κωνσταντίνος Φλιούκας	2015	
58	Αξιολόγηση ινσουλινομιμητικής δράσης συνθετικών μορφών ψευδαργύρου και βαναδίου σε σχέση με το σακχαρώδη διαβήτη τύπου ΙΙ	Μελανθία Καφαντάρη	2015	
59	Αξιολόγηση της δράσης διακριτών μορφών ψευδαργύρου στην κυτταρική επιβίωση και στη μεταναστευτικότητα του λιπώδους ιστού	Χρήστος Κεχαγιόγλου	2015	
60	Σύνθεση, απομόνωση, δομικός και φασματοσκοπικός χαρακτηρισμός υδατοδιαλυτών συμπλόκων του βαναδίου με οργανικά υποστρώματα	Βασίλειος Βαρσάμης	2015	
61	Δομο-εξειδικευμένη ανάπτυξη ινσουλινοενισχυτικής και ινσουλινομιμητικής δράσης του	Φαίδρα Παπαηλία	2015	

	Cr(III)			
62	Σύνθεση, απομόνωση, δομικός και φυσικοχημικός χαρακτηρισμός υβριδικών συμπλόκων ενώσεων του Hf(IV) με υδροξυκαρβοξυλικά υποστρώματα	Θωμάς Μπλεμπουτζάκης	2015	
63	Διερεύνηση της αντιμικροβιακής δράσης νέων συμπλόκων ενώσεων του βισμουθίου(III) με οργανικούς υποκαταστάτες	Χρυσάνθη-Μαρία Μωϋσίδου	2015	
64	Σύνθεση, απομόνωση, δομικός και φασματοσκοπικός χαρακτηρισμός υδατοδιαλυτών υλικών του χαλκού με αμινο-φωσφονικά οξέα.	Δημήτρης Μουτουσίδης	2015	
65	Σύνθεση, απομόνωση, δομικός και φασματοσκοπικός χαρακτηρισμός νέων ενώσεων του Pb(II). Μελέτη των οπτικών ιδιοτήτων νέων MOF-Pb(II) υλικών.	Άγγελος Βαγγέλης	2015	
66	Σύνθεση δυαδικών και τριαδικών Ln-MOF υλικών με υποκαταστάτη το γλουταρικό οξύ. Δομικός και φυσικοχημικός χαρακτηρισμός.	Δανάη Βελλιάδου	2015	
67	Σύνθεση, απομόνωση και φυσικοχημικός χαρακτηρισμός δυαδικών και τριαδικών κρυσταλλικών υλικών ζιρκονίου με υδροξυκαρβοξυλικά οξέα.	Ασημένια Καραμελίδου	2016	
68	Επίδραση υβριδικών νανοσωματιδίων πυριτίας με εγκλεισμένη κατεχίνη στην τοξικότητα του Cu(II) και συναπτική απώλεια στα πρωτογενή νευρωνικά κύτταρα	Σοφία Μερμίγγη	2016	
69	Υδατική δομική ειδοκατανομή σε δυαδικά συστήματα βόριο/θάλλιο-υδροξυκαρβοξυλικό οξύ. Συνθετικές, φυσικοχημικές και βιολογικές μελέτες.	Σεβαστή Μάτσια	2016	
70	Σύνθεση, απομόνωση, δομικός και φασματοσκοπικός χαρακτηρισμός δυαδικών και τριαδικών υλικών MOFs του	Βασιλική Παπαηλία	2016	

	Pb(II) με δικαρβοξυλικούς υποκαταστάτες.			
71	Εγκλεισμός φλαβονοειδούς σε προηγμένα υβριδικά επιφανειακά τροποποιημένα νανοσωματίδια και μελέτη σε πρωτογενές νευρωνικό κυτταρικό περιβάλλον. Συσχέτιση δομής-λειτουργίας στην αντιμετώπιση της νευροεκφυλιστικής νόσου Alzheimer.	Δέσποινα Ελευθεριάδου	2016	
72	Δομοεξαρτώμενο αδιπογενετικό δυναμικό βιοδιαθέσιμων βαναδομορφών στην ασθένεια του σακχαρώδους διαβήτη	Κωνσταντίνα Χαχλιουτάκη	2016	
73	Μελέτη κυτταροτοξικότητας βιοδιαθέσιμης σύμπλοκης χαλκομορφής στη νευροεκφύλιση τύπου Alzheimer	Κωνσταντίνος Ασλανίδης	2016	
74	Δυαδικά συστήματα Ga(III)-(υδροξυ)καρβοξυλικών οξέων σε υδατικό περιβάλλον. Συνθετικές προσεγγίσεις σε βιολογικά συστήματα	Μαρία-Νεφέλη Αντωνοπούλου	2016	
75	Διερεύνηση της αντιβακτηριακής δράσης νέων εγκλεισμένων συμπλόκων ενώσεων ψευδαργύρου σε νανοσωματίδια πυριτίας	Θωμάς Γιαννουλόπουλος	2016	
76	Λιπογενετικό Δυναμικό επιλεγμένων ψευδαργυρομορφών στον Σακχαρώδη Διαβήτη τύπου ΙΙ. Συσχέτιση Δομής-Λειτουργίας	Χριστίνα Κούτρα	2016	
77	In vitro αξιολόγηση της τοξικής δράσης του καδμίου με έμφαση στη δομική ειδοκατανομή του σε βιολογικά συστήματα	Αφροδίτη Καπουράνη	2017	
78	Επίδραση του μήκους της ανθρακικής αλυσίδας δικαρβοξυλικών οξέων σε πλέγματα δυαδικών και τριαδικών συστημάτων μολύβδου που οδηγούν σε πολυμερή συναρμογής	Ευγενία Ντουράκη	2017	
79	Φυσικοχημικός χαρακτηρισμός λιποσωμικών φορέων για ενθυλάκωση βιογενών	Αγγελική Γούτου	2018	

	μεταλλικών ιόντων.			
80	Διερεύνηση του (α)τοξικού προφίλ του χρωμίου στις διάφορες οξειδωτικές βαθμίδες in vitro.	Αναστασία Κολιού	2018	
81	In vivo μελέτη υβριδικών νανοσωματιδίων πυριτίας με ενθυλακωμένη κερσετίνη έναντι της νευροεκφυλιστικής νόσου Alzheimer	Μαρία Μαρινάκη	2018	
82	Τριαδικές ενώσεις συναρμογής του Cd(II) με δικαρβοξυλικό οξέα με τη συνεισφορά N-υποκαταστατών	Μενέλαος Ζαγανίδης	2018	
83	Διερεύνηση της βιομιμητικής δραστικότητας νεο-συντιθέμενων υδατοδιαλυτών ειδών τιτανίου με έμφαση στην αδιπογένεση	Ασημίνα Τσιρίγκα	2018	
84	Σύνθεση και χαρακτηρισμός μονοδιάσπαρτων λιποσωμικών φορέων φαρμάκων	Χαράλαμπος Κουφός	2018	
85	Σχεδιασμός και σύνθεση μεταλλο-οργανικών υβριδικών υλικών Co(II,III) με N,O-υποστρώματα	Ιωάννης Τάκης	2019	
86	Ανάπτυξη παραγώγων φλαβονοειδών με στόχο την ενίσχυση της βιολογικής τους δραστικότητας	Απόστολος Μουστάκας	2019	
87	Σύνθεση, απομόνωση, δομικός και φασματοσκοπικός χαρακτηρισμός υδατοδιαλυτών υλικών χρωμίου με φυσιολογικά υποστρώματα	Στεφανία Σκανδάλου	2019	
88	Τροποποιημένα φλαβονοειδή στη βιολογική δραστικότητα μετάλλων	Αφροδίτη Κοντσέ	2019	
89	Συνθετική βελτιστοποίηση παραγωγής νανοσωματιδίων πυριτίας για εγκλεισμό αιθερίων ελαίων	Δέσποινα Δούκα	2019	
90	Σύνθεση και Μελέτη Τριαδικών Συστημάτων Μεταλλο-Οργανικών Υλικών Καδμίου με Αλειφατικά Δικαρβοξυλικά Οξέα Μεσαίας και Μεγάλης Αλυσίδας	Ηλιάνα Κυριαζίδου	2019	
91	Διερεύνηση της (α)τοξικής δράσης μεταλλοτοξινών	Υβόννη Ξεσφύγγη	2019	

	ενδογενών και μη μεταλλοϊόντων σε in vitro μοντέλα κυτταρικών παθοφυσιολογιών			
92	Ανάπτυξη τεχνικών κατασκευής εμπλουτισμένων υβριδικών υλικών με βιοδιαθέσιμο μεταλλοσύμπλοκο κιτρικού κοβαλτίου, για χρήση σε κατασκευή μεμβρανών και νημάτων 3D εκτυπωτών.	Γεώργιος Μπίνιας	2020	
93	Συγκριτική μελέτη ινσουλινομίμησης βαναδίου(IV,V) στο διαβήτη τύπου ΙΙ	Σταυρούλα Μάντζιου	2020	
94	Σχεδιασμός και σύνθεση δυαδικών και τριαδικών συστημάτων νικελίου(ΙΙ) με αμινοαλκοόλες και N,N-υποστρώματα	Άννα Καούλλα	2020	
95	Σύνθεση νέων μεταλλο-οργανικών υβριδικών υλικών Co(II,III) με N,O-υποκαταστάτες σε διαφορετικούς διαλύτες και σύγκριση των οπτικών ιδιοτήτων τους	Στυλιανός Τικόπουλος	2020	
96	Διερεύνηση της ινσουλινομιμητικής δράσης νεοσυντεθέντων συμπλόκων μορφών του ψευδάργυρου	Βασιλική Τζανακοπούλου	2020	
97	Σύνθεση και φυσικοχημικός χαρακτηρισμός υβριδικών υλικών που περιέχουν μεταλλοϊόντα και φλαβονοειδή	Λάμπρος Μπουτούρης	2021	
98	Παραγωγή αντιμικροβιακών πολυμερικών υμενίων και διερεύνηση των μηχανικών ιδιοτήτων τους	Κονσταντιβος Αβραμίδης	2021	
99	Διερεύνηση της ενδεχομένης ινσουλινομιμητικής δράσης ενώσεων κοβαλτίου με φυσιολογικά υποστρώματα, με έμφαση στην αδιπογένεση	Χριστόφορος Χαλκιαδάκης	2021	
100	Σύνθετα βιοπολυμερή υλικά προς παρασκευή νημάτων για τρισδιάστατη εκτύπωση	Χρήστος Ανδριώτης	2021	
101	Διεξοδική μελέτη σύνθεσης νανοσωματιδίων πυριτίας προς ενθυλάκωση αντιοξειδωτικών	Χρήστος Βασιλείου	2021	

	ουσιών φαρμακευτικής αξίας			
102	Παραγωγή και χαρακτηρισμός λεπτών βιο-πολυμερικών υμενίων για εφαρμογές στην ασφάλεια τροφίμων	Συμεών Σιδηρόπουλος	2021	
103	Σύνθεση και φυσικοχημικός χαρακτηρισμός τριαδικών υβριδικών υλικών τρισθενών μεταλλοϊόντων με αντιοξειδωτικά υποστρώματα. Μελέτη των οπτικών ιδιοτήτων τους.	Γεώργιος Λαζόπουλος	2021	
104	Τεχνολογία 3D Printing για την παρασκευή ικριωμάτων προς χρήση στην ιστομηχανική	΄Δημήτριος Αργυρούδης	2021	
105	Ανάπτυξη εμπλουτισμένων υλικών PLA για κατασκευή 3D ικριωμάτων για βιολογικές εφαρμογές	Κωνσταντίνα Βλαχάκη	2021	
106	Παράγοντες που επηρεάζουν την άμεση ηλεκτροχημική αναγωγή της γλυκερόλης προς προϊόντα υψηλής προστιθέμενης αξίας	Θεοδώρα Λυκοκώστα	2021	
107	Microfluidics και Lab on a chip: Ανάπτυξη τεχνικών κατασκευής micro-chips από PDMS και μελέτη μικροροών σε αυτό.	Παύλος Φαρμάκης	2022	
108	Σχεδιασμός και σύνθεση δυαδικών/τριαδικών συστημάτων δισθενών μεταλλοϊόντων με υπόστρωμα κινικού οξέος. Θεωρητικές μελέτες.	Ραχήλ Σφονδύλα	2022	
109	Ενθυλάκωση φαρμακευτικών ουσιών σε μικροσωματίδια πολυμερικής μήτρας και πλήρης φυσικοχημικός χαρακτηρισμός για την αντιμετώπιση της Χρόνιας Αποφρακτικής Πνευμονοπάθειας	Αθανάσιος Τσίμπρης	2022	
110	Σχεδιασμός και σύνθεση δυαδικών υλικών χαλκού(ΙΙ) και νικελίου(ΙΙ) με αμινοαλκοόλες	Θέτις Γκόγκου	2022	
111	Ενθυλάκωση εκχυλισμάτων ρίγανης και υδατοδιαλυτής πρόπολης σε τροποποιημένα ανόργανα σωματίδια πυριτίας. Ποσοτικοί προσδιορισμοί	Κλεοπάτρα Καρακώστα	2022	
112	Παρασκευή ικριωμάτων από	Βασιλεία	2022	

	υδροπηκτές και θερμοπλαστικά πολυμερή για εφαρμογή στην ιστομηχανική	Καρακώστα		
113	Σχεδιασμός, σύνθεση και φυσικοχημικός χαρακτηρισμός υβριδικών υλικών λανθανίδων με υποστρώματα φλαβονοειδών	Κατερίνα Τσίκο	2022	
114	Σχεδιασμός και σύνθεση τροποποιημένων φυσικών προϊόντων προς ενίσχυση της αντιοξειδωτικής και βιολογικής τους δράσης	Μυρσίνη Πουλή	2022	
115	Design, synthesis and physicochemical characterization of flavonoids with polyamines	Evangelos Kozaris	2023	
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	

Σημείωση: Πέραν των προαναφερθέντων περατωθέντων διπλωματικών εργασιών **πέντε (5)** διπλωματικές εργασίες βρίσκονται εν εξελίξει.

ΕΠΙΒΛΕΨΗ ΠΡΑΚΤΙΚΗΣ ΑΣΚΗΣΗΣ ΦΟΙΤΗΤΩΝ

	Φοιτητής/τρια	**Έτος**	**Εταιρεία**
1	Βασίλειος Βαρσάμης	2012	Βαφείο υφασμάτων Βαρσάμης
2	Αλέξανδρος Λεμοντζόγλου	2014	Novo Nordisk ΕΛΛΑΣ Ε.Π.Ε.
3	Δέσποινα Ελευθεριάδου	2015	ΣΥΓΧΡΟΝΗ ΑΝΑΛΥΤΙΚΗ – Μάριος Μαρούλης
4	Αφροδίτη Καπουράνη	2015	Χημικά Λουφάκης, ΑΒΕΕ
5	Κωνσταντίνα Χαχλιουτάκη	2015	Χημικά Λουφάκης, ΑΒΕΕ
6	Στεφανία Σκάνδαλου	2015	ΕΚΕΦΕ Δημόκριτος
7	Γρηγόριος Αντωνιάδης	2016	CHIMAR HELLAS A.E. (MARLIT)
8	Κωνσταντίνα Τσιώτα	2016	Γενικό Χημείο του Κράτους (Φλώρινα)
9	Νικόλαος Ραφαήλ Γεωργιάδης	2016	Χημικά Λουφάκης, ΑΒΕΕ
10	Σπυρίδων Βαρουκτσής	2016	Γενικό Χημείο του Κράτους (Θεσσαλονίκη)
11	Γεωργία Καλατζή	2017	Γενικό Χημείο του Κράτους (Βόλος)
12	Ειρήνη Γκάργκαλη	2017	ΑΓΚΡΟΛΑΜΠ Α.Ε. (Σίνδος, Θεσσαλονίκη)
13	Ηλιάνα Καναβάκη	2017	Γενικό Χημείο του Κράτους Υπ. Κεντρικής Μακεδονίας
14	Κωνσταντίνος Κρήτας	2017	Modern Analytics (Θέρμη)
15	Ηλιάνα Κυριαζίδου	2017	ΓΕΩΤΕΚ Α.Τ.Ε. (Νέα Καρβάλη, Καβάλα)
16	Μαρία Παπασπυροπούλου	2017	Γενικό Χημείο του Κράτους Υπ. Κεντρικής Μακεδονίας
17	Μαρία Τρικαλιώτη	2017	CHIMAR HELLAS A.E. (MARLIT)
18	Ελπίδα Παντελίδου	2018	Ανεξάρτητη Αρχή Δημοσίων Εσόδων-Γενική Διεύθυνση Γενικού Χημείου του Κράτους-Χημική Υπηρεσία Κεντρικής Μακεδονίας – Τομέας Καυσίμων
19	Ευάγγελος Πέτλης	2018	Ανεξάρτητη Αρχή Δημοσίων Εσόδων - Γενική Διεύθυνση Γενικού Χημείου Του Κράτους - Χημική Υπηρεσία ΚΕΝ Τομέας Τροφίμων και Καυσίμων
20	Γεωργία Τριβυζά	2018	Γενικό Χημείο του Κράτους Τμήμα Χημικών Υπηρεσιών Κερκύρας
21	Φιλοθέη Καπλάνη	2018	Σουρωτή Ανώνυμη Εταιρία Εμφιάλωσης και Εμπορίας του Μεταλλικού Νερού

			"ΣΟΥΡΩΤΗ"
22	Θεοφάνης – Ματθαίος – Άλντο Μίγκος	2018	Χημική Υπηρεσία Λαμίας
23	Μαρία Ντούλα	2019	Βιομηχανία 3Π ΚΑΛΙΑΦΑΣ Σ. ΠΟΥΡΔΑΛΑΣ Ο.Ε. (3Π ΣΑΛΑΤΕΣ), Καρδίτσα
24	Μαρία Σαμαρά	2019	Ανεξάρτητη Αρχή Δημοσίων Εσόδων - Γενική Διεύθυνση Γενικού Χημείου Του Κράτους - Χημική Υπηρεσία ΚΕΝ Τομέας Τροφίμων και Καυσίμων, Θεσσαλονίκη
25	Πασχαλίνα-Δανάη Σάρρα	2019	Ανεξάρτητη Αρχή Δημοσίων Εσόδων - Γενική Διεύθυνση Γενικού Χημείου Του Κράτους - Χημική Υπηρεσία ΚΕΝ Τομέας Τροφίμων και Καυσίμων, Θεσσαλονίκη
26	Σπύρος Κρεμασμένος	2019	Εταιρεία ΠΛΑΣΤΙΚΑ ΚΡΗΤΗΣ Α.Ε., Ηράκλειο
27	Αλεξάνδρα Πράσινου	2020	Σουρωτή Ανώνυμη Εταιρία Εμφιάλωσης και Εμπορίας του Μεταλλικού Νερού "ΣΟΥΡΩΤΗ"
28	Κυριαζής Καρακαντές	2020	Ανεξάρτητη Αρχή Δημοσίων Εσόδων - Γενική Διεύθυνση Γενικού Χημείου Του Κράτους - Χημική Υπηρεσία ΚΕΝ Τομέας Τροφίμων και Καυσίμων, Θεσσαλονίκη
29	Παναγιώτης Αθανασόπουλος	2020	Ανεξάρτητη Αρχή Δημοσίων Εσόδων - Γενική Διεύθυνση Γενικού Χημείου Του Κράτους - Χημική Υπηρεσία ΚΕΝ Τομέας Τροφίμων και Καυσίμων, Θεσσαλονίκη
30	Σταματία Σκουτίδα	2020	ΕΨΑ Α.Ε. Βιομηχανία αναψυκτικών και χυμών, Αγριά, Βόλος 37300, Μαγνησία
31	Κωνσταντίνος Μερενίδης	2021	Κτήμα Κώστα Λαζαρίδη Α.Ε. Οινοποιείο
32	Αικατερίνη Τσίκο	2021	Ανεξάρτητη Αρχή Δημοσίων Εσόδων - Γενική Διεύθυνση Γενικού Χημείου Του Κράτους - Χημική Υπηρεσία ΚΕΝ Τομέας Τροφίμων και Καυσίμων, Θεσσαλονίκη
33	Μαρία Μορίδου	2021	Γ' Κτηνιατρικό Νοσοκομείο Θεσσαλονίκη

34	Μάρθα Τσάμη	2021	Ανεξάρτητη Αρχή Δημοσίων Εσόδων - Γενική Διεύθυνση Γενικού Χημείου Του Κράτους - Χημική Υπηρεσία ΚΕΝ Τομέας Τροφίμων και Καυσίμων, Ξάνθη
35	Παντελής Ζαΐμης	2021	Ανεξάρτητη Αρχή Δημοσίων Εσόδων - Γενική Διεύθυνση Γενικού Χημείου Του Κράτους - Χημική Υπηρεσία ΚΕΝ Τομέας Τροφίμων και Καυσίμων, Θεσσαλονίκη
36	Ιωάννης Γεωργαλάς	2022	ΙΝΤΕΡΓΚΕΟ ΕΠΕ Τεχνολογία Περιβάλλοντος – Βιομηχανικό Πάρκο Θέρμης, Θεσσαλονίκη 57 001
37	Στυλιανός Κεφάλας	2022	Κρι Κρι Βιομηχανία Γάλακτος 3ο km Εθνικής Οδού Σερρών - Δράμμας Σέρρες 62125
38	Κωνσταντίνος Όθωνος	2022	Ambrosia Oils (1976) Ltd - Larnaka Industrial Estate, P.O. Box 40433, Larnaka 6304, Cyprus
39	Αθανάσιος Παπαδόπουλος	2022	Λουφάκης Χημικά ΑΒΕΕΕ – Βιομηχανική Περιοχή Θεσσαλονίκης, Θεσσαλονίκη, Τ.Θ. 1247, Τχυδρομικός Κώδικας 57022
40	Κωνσταντίνος Παπουτσής	2022	ΒΙΟΜΗΧΑΝΙΑ ΓΑΛΑΚΤΟΣ ΔΡΑΜΑΣ ΑΕ ΝΕΟΓΑΛ. – Τέλος οδού 1ης Ιουλίου, Δράμα 66100
41	Αχιλλέας Τσαντεκίδης	2022	Σύγχρονη Αναλυτική – Αναλυτικά Εργαστήρια – 14ο km Θεσσαλονίκης – Πολυγύρου, Γέφυρα Θέρμης, Θέρμη 57001, Θεσσαλονίκη
42	Χριστίνα Χουχούλη	2022	CaO Hellas A.E. Μακεδονική Ασβεστοποιία ΤΙΤΑΝ 6ο km Θεσσαλονίκης – Λαγκαδά, Θεσσαλονίκη
43	Μάριος Δημάκης	2023	ΕΛΒΑΚ Α.Ε. 5.5 km Εθνικής Οδού Λάρισας, Φαλάνης, Λάρισα 41110
44	Αναστάσιος Γκατζιάς	2023	Καρκανιάς Τεχνολογία Περιβάλλοντος Α.Ε. Βιομηχανική Περιοχή Λάρισας Τ.Κ. 41004, Τ.Θ. 3053

45	Χριστίνα Γιαννούλη	2023	Χημικό Εργαστήριο Α. Μανούρας Ε.Π.Ε. Ιακωβάκη 13, Τρίκαλα
46	Νικόλαος Λάδης	2023	Αγροτικός Συνεταιρισμός Λήμνου - Η Ένωση Λιμάνι Αγίου Νικολάου, Περιοχή Σωληνάρια, ΜΥΡΙΝΑ 81400
47	Παύλος Στέκας	2023	Τσιμεντοποιία Βασιλικού Δημόσια Εταιρεία Λτδ Περιοχή Βασιλικού 7738, Κύπρος
48	Θεοφανία Κλεισούρα	2023	Ηπειρωτική Βιομηχανία Εμφιαλώσεων Α.Ε. (ΒΙΚΟΣ Α.Ε.) Περίβλεπτος Ιωαννίνων Ιωάννινα 45500

Συνεργασία με Ερευνητές στο Εργαστήριο
Μετδιδακτορικοί Ερευνητές

	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- παρόν	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

Επιτροπές Διδακτορικών Διατριβών (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: Κατεργασία δύο αποικοδομήσιμων πολυμερών και φαρμακευτικών ουσιών με υπερκρίσιμα ρευστά	2006	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
9	C. Polatidis Title: Ηλεκτροχημική απομάκρυνση νιτρικών από υδατικά διαλύματα και περιβαλλοντικά δείγματα με χρήση σταθερού και παλλόμενου δυναμικού	2007	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
10	S. Chaitidou Three Member Committee Title: Πειραματική μελέτη σύνθεσης μοριακά αποτυπωμένων πολυμερικών μικρο- και νανο-σωματιδίων για την επιλεκτική αναγνώριση πεπτιδίων	2008	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
11	J. Katsounaros Three Member Committee Title: Ηλεκτροχημική απομάκρυνση των νιτρικών σε καθόδους μετάλλων των ομάδων (III) και (IV) του περιοδικού συστήματος και κράματά τους	2009	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
12	C. Gabriel	2009	Department of

	Three Member Committee Title: Σύνθεση, απομόνωση και φυσικοχημικός χαρακτηρισμός ενώσεων μεταξύ (O, N)-οργανικών υποστρωμάτων και μεταλλοτοξινών		Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
13	M. Menelaou Three Member Committee Title: Μελέτη της δομικής ειδογένεσης και των φθορισμομετρικών ιδιοτήτων οργανικών υποστρωμάτων με τοξικά μεταλλοϊόντα σε υδατικό και μη υδατικό περιβάλλον	2009	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
14	K. Tsioptsias Title: Ανάπτυξη νέων σύνθετων υλικών βιοπολυμερούς-βιοκεραμικού για εφαρμογές ιστομηχανικής	2009	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece
15	K. Simeonidis Title: Ανάπτυξη διμεταλλικών μαγνητικών νανοσωματιδίων με διαμορφούμενη μαγνητική συμπεριφορά	2009	Department of Physics Aristotle University of Thessaloniki, Thessaloniki, Greece
16	P. Panagiotidis Three Member Committee Title: Συνθετικές προσεγγίσεις στη κατανόηση των αλληλεπιδράσεων των μεταλλοϊόντων τιτανίου και καδμίου με φυσιολογικά και μη φυσιολογικά ligands σε δυαδικά και τριαδικά	2009	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece

	υδατικά συστήματα		
17	C. NDay Three Member Committee Title: Μελέτη της επίδρασης μεταλλοτοξινών στις νευροεκφυλιστικές διαδικασίες με έμφαση στη νόσο Alzheimer	2009	
18	D. Koutsonikolas Title: Τροποποίηση κεραμικών μεμβρανών για διαχωρισμό αερίων και διάσπαση αερίων ρυπαντών σε αντιδραστήρες μεμβρανών	2010	
19	S. Papadopoulou Title: Συστηματική μελέτη των παραγόντων που επηρεάζουν την προστατευτική ικανότητα επιστρώσεων σε έργα πολιτισμού	2010	
20	D. Kavousanaki Title: Μελέτη της χημικής σύστασης και των τεχνικών κατασκευής υαλωδών αντικειμένων του αιγιακού χώρου	2010	Graduate program “Studies on preservation and restoration of cultural monuments” School of Engineering Aristotle University of Thessaloniki Thessaloniki, Greece
21	D. Nassiopoulou Title: Σύνθεση και Μελέτη Αντιδράσεων Χρωμενονικών και Πυρανονικών Παραγώγων	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 molecular simulation methods	2012	Department of Chemical Engineering Aristotle University of Thessaloniki, Thessaloniki, Greece

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-organic materials with antidiabetic properties	2014	Department of Chemical Engineering Aristotle University of Thessaloniki,

	and molecular hosts of encapsulation, transport and release of metallo-drugs and other micro- and macro-molecular substrates in cellular tissues.		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
35	Zoi G. Lada Development and Study of Materials with 'Smart' Properties for their Potential Use in Food Packaging	2019	Department of Chemistry, School of Natural Sciences, 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,	2022	School of Chemical Engineering

	construction, and operation of three dimensionally printed implants from advanced composite materials with biomedical applications		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

Επιτροπές Υφηγεσίας σε Ιδρύματα του εξωτερικού

	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

Επιτροπές Διδακτορικών Διατριβών (Ph.D.) σε Ιδρύματα του Εξωτερικού

	Title	Ph.D. candidate	Year	Institution
1	Δομή και δραστικότητα σιλανο-αμινοαλκοολών με σύμπλοκα οξοβαναδίου και βορίου σε υδατικό διάλυμα	Eugene Eugeniou	February 2006	Department of Chemistry, University of Cyprus

Επιτροπές Διατριβών Μεταπτυχιακού Διπλώματος Ειδίκευσης (M.Sc.)

	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	Sofia 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 Thessaloinki
24	M. Karamitrou	July 13, 2020	Graduate program “Chemical and Biomolecular Engineering” School of Chemical Engineering, Aristotle University of Thessaloinki
25	S. Koumpia	July 13, 2020	Graduate program “Chemical and Biomolecular Engineering” School of Chemical Engineering, Aristotle University of Thessaloinki
26	D. Karagiannidou	December 7, 2021	Graduate program “Chemical and Biomolecular

			Engineering" School of Chemical Engineering, Aristotle University of Thessaloinki
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

Επιτροπές Διατριβών Μεταπτυχιακού Διπλώματος Ειδίκευσης (M.Sc.) σε Διαπανεπιστημιακά Μεταπτυχιακά Προγράμματα

	M.Sc. title	M.Sc. candidate	Year	Place
1	Σύνθεση, χαρακτηρισμός και μελέτη νέων συμπλόκων ενώσεων, με πιθανή αντι-ιϊκή δράση, των ιόντων της 11 ομάδας του περιοδικού πίνακα με υποκαταστάτες ετεροκυκλικά θειοαμίδια	Panagiotis Zachariadis	2002	Department of Chemistry University of Ioannina Ioannina, Greece
2	Μεταλλικά σύμπλοκα υποκαταστατών βιολογικής σημασίας στηριγμένα σε ανόργανα υλικά	Alexia Serafeimidis	2002	
3	Μελέτη του μηχανισμού δράσης των θειοαμιδίων στην αναστολή της σύνθεσης των θυρεοειδικών ορμονών. Σχεδιασμός και σύνθεση νέων αντιθυρεοειδικών φαρμάκων	Ghada J. Corban	2003	

Επιτροπές Διατριβών Μεταπτυχιακού Διπλώματος Ειδίκευσης (M.Sc.) σε Ενδοπανεπιστημιακά Μεταπτυχιακά Προγράμματα

	M.Sc. title	M.Sc. candidate	Year	Place
1	Αξιολόγηση της επίδρασης μεταλλοϊόντων στο νευρικό σύστημα των θηλαστικών. Ex vivo και in vitro μελέτη.	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. Malandrinos, K. Milios, I. Th. Mourtzinos, 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. Koui, A. Salifoglou. M. Hatzinikolaidou
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
A. Salifoglou
Korakidis Publications
Thessaloniki **2006**

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-παρόν
Aristotle University of Thessaloniki
Department of Chemical Engineering
Graduate Studies Program
Thessaloniki, Greece

4. Faculty of Engineering — 2008-παρόν
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- παρόν
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- παρόν

   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" – Timişoara
Faculty of Food Engineering
May 23-24, 2019, Timişoara, 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" – Timişoara
Faculty of Food Engineering
May 23-24, 2019, Timişoara, 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, Timişoara, 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, Timişoara, 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" – Timişoara
Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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
June 13-14, 2013, Timişoara, 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, Timişoara, Romania

21. Member of the Scientific Committee
The 4th International Conference on Food Chemistry, Engineering & Technology
May 30-31, 2013, Timişoara, 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- παρόν
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, Timişoara, 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, Timişoara, 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, pharmaceutics 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 every day 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

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	1997-1998 4,950,000 Dr.
2.	Technology and Production of Olive Oil and Wine in Crete DIAVLOS Program General Secretariat of Research and Technology Principal Investigator	1997-1998 650,000 Dr.
3.	The role of carcinogenic metals in the interaction of VTR $_{HRAS1}$ with transcriptional regulators Research Committee of the University of Crete Principal Investigator	1999-2001 2,000,000 Dr.
4.	Vanadium complexes. Synthesis and Biological Activity Research Committee of the University of Crete Principal Investigator	1999-2001 2,300,000 Dr.
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	1999-2001 32,000,000 Dr.
6.	Metal Dependent oxidative Damage of β-Amyloid Peptides Related to Alzheimer's Disease CRG Grant NATO- Principal Investigator	1997-1999 2,100,000 Dr.
7.	Undergraduate Study Programs and University Textbooks Ministry of Education and Religious Affairs EPEAEK- Principal Investigator	1997-1999 66,500,000 Dr**.**
8.	Evaluation of AEI Educational Work Ministry of Education and Religious Affairs EPEAEK- Principal Co-Investigator	1999 9,000,000 Dr**.**
9.	Novel Bioinorganic Chemistry of Aluminum …in Continuous Ambulatory Peritoneal Dialysis Patients General Secretariat of Research and Technology Bilateral Collaboration with Slovenia Principal Investigator	1998-2000 2,730,000 Dr.
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	1997-2001 1,800,000 Dr.

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
mount 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 (ΕΚΤ and ΕΤΠΑ): 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 2001- 2003
complex aqueous chemistry relevant to Alzheimer's disease
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
(ΕΚΤ and ΕΤΠΑ) 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 450,000 €

25. Advanced Materials for Mercury Removal (MerCap) 2012-2015
Partner Investigator 600,000 €

26. ERA-NET Blue-Bio. MARIEGREEN Project 2021-2024
"Sustainable utilization of MARIne resources to foster GREEN plant production in Europe"
Partner Investigator 1,488,000 €

27. "Innovation Investment Plans" Action 2021-2023
"Development of natural product with neuroprotective action based on the plant cranum"
Operational Program "Central Macedonia 2014-2020" 263,090 €

28. Charcot-Marie-Tooth Association (CMTA) 2023-2026
"Nanoparticle-based gene delivery to Schwann cells for treating CMT disease"
Partner Investigator 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
Collborators: 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. Department of Chemistry, National and Kapodistrian University of Athens, Athens 15771, Greece.
Collaborators: T. Mavromoustakos

8. Department of Chemistry, Aristotle University of Thessaloniki, Thessaloniki 54124, 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 V. E. Sahini, Dr. G. Ionita

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, V13
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, Timişoara, 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 – Timişoara
May 25–26, 2023, Timişoara, 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 – Timişoara
May 25–26, 2023, Timişoara, 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 – Timişoara
May 25–26, 2023, Timişoara, 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, Timişoara, 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" – Timişoara
May 27, 2022, Timişoara, 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" – Timişoara
May 26–27, 2022, Timişoara, 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" – Timişoara
May 26–27, 2022, Timişoara, 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" – Timişoara
May 26–27, 2022, Timişoara, 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" – Timişoara
May 26–27, 2022, Timişoara, 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" – Timişoara
May 26–27, 2022, Timişoara, 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" – Timişoara
May 26–27, 2022, Timişoara, 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" – Timişoara
May 26–27, 2022, Timişoara, 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" – Timişoara
May 26–27, 2022, Timişoara, 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
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" – Timişoara
May 20th– 21th 2021, Timişoara, 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" – Timişoara
May 20th– 21th 2021, Timişoara, 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" – Timişoara
May 20th– 21th 2021, Timişoara, 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" – Timişoara
May 20th– 21th 2021, Timişoara, 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" – Timişoara
May 24, 2019, Timişoara, 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" – Timişoara
May 23-24, 2019, Timişoara, 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, Timişoara, 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, Timişoara, 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" – Timişoara
May 24-25, 2018, Timişoara, 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, Romania

54. "Titanium and its Biomimetic Reactivity Toward Metabolic Pathophysiologies"
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, Timişoara, 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" – Timişoara
Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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
8º 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.
8º 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, Timişoara, Romania

94. "The influence of the environmental metallotoxin Al(III) on neuronal cell structures linked to neurodegeneration"
Plenary Lecture
The 3nd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timişoara, 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, Timişoara, 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 Aβ 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, Timişoara, 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 Melittus 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 Biotoxicity 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, Przno, 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 H_2O_2 and O_2"
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, 2005-06-01
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, Timişoara, 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, Timişoara, 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" Timişoara
Faculatatea de Chimie Industrială şi Ingineria Mediului
Institutul de Chimie al Academiei
May 23, 2003, Timişoara, Romania

179. "Seeking quality of life out of vanadium chemistry"
Universitatea de Ştiinţe Agricole şi 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, Timişoara, 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 <u>Presented</u> and <u>Awarded</u> 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
Nanotexnology 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
Nanotexnology 2019
International Conferences, Organic Elecronics & 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 <u>Presented</u> and <u>Published</u> 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. Mourtzinos, 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, Timişoara, 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, Timişoara, 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, Timişoara, Romania

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

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 Vanadıum-Peroxido-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 charaterization
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 26st – 28st, 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 26st – 28st, 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 26st – 28st, 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 26st – 28st, 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 26st – 28st, 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 26st – 28st, 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 26st – 28st, 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 26st – 28st, 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 26st – 28st, 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
Nanotexnology 2019
International Conferences, Organic Elecronics & Nanomedicine
June 29 – July 6, 2019, Thessaloniki, Greece

51. Metal- and Structure-Speci□c 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. M. Karagiaouri, G. Katsipis, E. Halevas, T.A. Papadopoulos, A. Hatzidimitriou, I. Sanakis, G. Mitrikas, K. Ypsilantis, G. Litsardakis, A. Salifoglou, A. Pantazaki
Study of the pro-oxidant/antioxidant activity of a newly synthesized complex of V(IV) with curcumin.
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
13-15 December, 2017, Gijón, Spain

54. "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
IFMBE CONFERENCE
International Conference on Biomedical and Health Informatics (ICBHI 2017)
18-21 November, 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
10–13 September, 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, Timişoara, 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, Graham 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, I. 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 hydrocycarboxylic 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"
Christiane 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 Biotoxicity"
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 H_2O_2 and O_2"
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**
20o 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
19*th 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 Biotoxicity 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 Fe_4 and Fe_2S_2 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 $[Fe_2S_2]^{2+}$ 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" – Timişoara
Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

4. SESSION: BIOCHEMICAL ENGINERING-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 AMD 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 Panehellenic 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, Timişoara, Romania

15. SESSION: General Symposium II: Biotechnology, Biomaterials, Tissue Engineering
Chairs: Maya Simionescou and A. Salifoglou
5th International Congress and the 31st Annual Scientific Session of the Romanian Society for Cell Biology
June 5-9, 2013, Timişoara, Romania

16. SESSION: Biobanks
Chair: A. Salifoglou
8o 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 FGIPS 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, V13
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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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. Bâdulescu, A.-K. Løes, J. Cabell, A. Salifoglou, M. Maroulis, S. Matsia, C. Râducanu, 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 aminoalcohools 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" – Timişoara
May 26–27, 2022, Timişoara, 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" – Timişoara
May 26–27, 2022, Timişoara, 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" – Timişoara
May 26–27, 2022, Timişoara, 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" – Timişoara
May 26–27, 2022, Timişoara, Romania

32. Hydrid 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 Timişoara
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 Timişoara
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
June 23– 25, 2021, Online

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" – Timişoara
May 20– 21, 2021, Timişoara, Romania

36. Hydrid 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" – Timişoara
May 20– 21, 2021, Timişoara, 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. Kiriazidi, 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. Biotoxicity 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" – Timişoara
May 23-24, 2019, Timişoara, 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" – Timişoara
May 23-24, 2019, Timişoara, 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" – Timişoara
May 23-24, 2019, Timişoara, 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" – Timişoara
May 23-24, 2019, Timişoara, 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" – Timişoara

May 23-24, 2019, Timişoara, 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
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May 23-24, 2019, Timişoara, Romania

59. Quercetin in magnetic silica nanoparticles. application against Cu(II)-mediated neurodegenerative processes
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Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timişoara
May 23-24, 2019, Timişoara, Romania

60. Structural investigation and physicochemical properties of binary materials of Thallium with organic substrates
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The 8th International Conference on Food Chemistry, Engineering & Technology
Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timişoara
May 23-24, 2019, Timişoara, 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" – Timişoara
May 23-24, 2019, Timişoara, Romania

62. The development of a new functional polynuclear Ti(IV)-carboxylic acid complex. Synthesis, characterization and in depth structure-properties investigation
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The 8th International Conference on Food Chemistry, Engineering & Technology
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May 23-24, 2019, Timişoara, Romania

63. Structure-specific adipogenic activity of binary/ternary V(V)-schiff base materials. Structure-function correlations toward insulinmimesis at the molecular level
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May 23-24, 2019, Timişoara, 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
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May 23-24, 2019, Timişoara, Romania

65. Hybrid peroxido vanadate complexes as advanced materials in biological systems
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May 23-24, 2019, Timişoara, Romania

66. Optimizing Peroxido-Vanadate chemotherapeutics
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May 23-24, 2019, Timişoara, Romania

67. Magnetic chrysin silica nanomaterials behavior in an amyloidogenic environment.
C. Nday, A. Salifoglou
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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
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3rd Mediterranean Conference on Neurodegenerative Diseases
February 14-17, 2019, Thessaloniki, Greece

69. Advanced catechin nanomaterials exert protectitve effects against amyloid segregtation.
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70. Quercetin in magnetic silica nanoparticles application against Cu(II) mediated neurodegenerative processes.
C. Nday, J. Graham, A. Salifoglou
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February 14-17, 2019, Thessaloniki, Greece

71. Improvement of flavonoids nano-technology against Alzheimer-type neurodegeneration.
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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
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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
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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
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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 pathophysiologies. 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 ($Ln_2Zr_2O_7$): 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 NANOTEXNOLOGY 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
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Politehnica University of Timisoara
Faculty of Industrial Chemistry and Environmental Engineering
June 28-29, 2018, Timişoara, Romania

85. Design, Synthesis and Physicochemical Characterization of Binary Cadmium-Quinic Acid System. In Vitro Cytotoxicity and Cytoprotection Assessment
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86. Zn(II) vs. V(IV)-Citrate Adipogenic Activity Through Related Metallogenetic Interactions
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Faculty of Industrial Chemistry and Environmental Engineering
June 28-29, 2018, Timişoara, Romania

88. Overview of Machine Learning and Data Mining in Diabetes Mellitus
O. Tsave, I. Kavakiotis, I. Chouvarda, N. Maglaveras, A Salifoglou
Conference of the Hellenic Society for Computational Biology and Bioinformatics (HSCBB17)
Hellenic Pasteur Institute
11-13 October 2017, Athens, Greece

89. Synthesis and multiscale study of hybrid magnetic liposome nanocarriers of novel antioxidant metal-flavonoid complexes for targeted drug delivery
E. Halevas, T. Papadopoulos, C. Swanson, G.C. Smith, A. Salifoglou, G. Litsardakis
14th International Conference on Nanosciences & Nanotechnologies – NN17
Porto Palace Conference Centre & Hotel
July 4-7, 2017, Thessaloniki, Greece

90. Hybrid Encapsulated Zinc Complexes Toward Antimicrobial Nanotechnology Applications
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June 08-09, 2017, Timişoara, Romania

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92. In Vitro Enhanced Antioxidant Properties of Catechin Nanoparticles Against Neurodegenerative Phenotypes
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June 08-09, 2017, Timişoara, Romania

93. Insulin Mimetic Zinc-Induced Adipogenesis in vitro. Structure-Specific Design and Synthesis of a Family of Binary and Ternary Zn(II)-Schiff Base Materials
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June 08-09, 2017, Timişoara, Romania

94. Flavonoid Nanoparticles As Potential Alzheimer's Disease Therapeutic Agents
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June 08-09, 2017, Timişoara, Romania

97. Quercetin Nanoparticles Protect Cell Synaptic Connectivity and Survival Rate Under Cu(II)-Linked Oxidative Stress in Neurodegeneration
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Faculty of Industrial Chemistry and Environmental Engineering
June 08-09, 2017, Timişoara, Romania

98. Vanadium Reduces Autophagy and Inhibits Metastatic Niche by Induction of Trail-Induced Apoptosis in Cancer Cells
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June 08-09, 2017, Timişoara, Romania

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104. Assessment of the Adipogenic Potential of V(V)-Schiff Base Complexes in 3T3-L1 Pre-Adipocytes
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Faculty of Industrial Chemistry and Environmental Engineering
June 08-09, 2017, Timişoara, Romania

105. Binary Ga(III)-(hydroxy) carboxylic acid systems in aqueous media. Synthetic approaches in biological systems.
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Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" – Timişoara
Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

106. Structure-specific adipogenic Cr(III). A molecular approach toward metal-induced enhancement of insulin mimesis in vitro.
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

107. Effects of encapsulated catechin against Cu(II)-mediated neuronal and synaptic loss in primary hippocampal cells
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

108. Zinc-Essential oil "cocktails" for potential antibacterial nanotechnology
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

109. Studying the impact of cadmium structural speciation to its induced toxicity. Link to food chain contamination.
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

110. Pursuing peroxido vanadate complexes in catalysis
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

111. Synthesis, X-Ray Studies and catalytic activity of oxo-peroxido-zwitterion vanadate compounds
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May 25-26, 2017, Timişoara, Romania

112. Peroxido vanadate complex behavior in olefin oxidation catalysis
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

113. Aqueous binary thallium-hydroxycarboxylic acid systems. Physicochemical and structural studies.
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

114. Magnetic Quercetin Silica Nanoparticles Encapsulation against Alzheimer's disease Neurodegenerative conditions
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

115. Nano-encapsulated Quercetin Possess Improved Antioxidant Properties against Aβ Amyloid Peptide toxicity
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

116. Regulation of TGF-β/Smad signaling by antitumor vanadium
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

117. A study on the composition of PLA mixtures with hydroxyapatite as substrates in 3D-printing bioapplications
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

118. Novel V(IV,V) Nanoparticles for Potential Enhanced Antioxidant and Antiradical Activities
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

119. Structure-specific zincoforms in adipogenesis in vitro
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Faculty of Food Processing Technology
May 25-26, 2017, Timişoara, Romania

120. Development of V(V) insulin mimetic technology with emphasis in metal-induced adipogenesis.
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Chemical Engineering: Lever of Innovation and Development
May 25-27, 2017, Thessaloniki, Greece

121. In vitro evaluation of cadmium toxicity with emphasis in its structural speciation in biological systems
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11th Pan-Hellenic Conference in Chemical Engineering
Chemical Engineering: Lever of Innovation and Development
May 25-27, 2017, Thessaloniki, Greece

122. Zn(II)-induced adipogenesis in the treatment of insulin resistance in Diabetes mellitus
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123. Hybrid Ga(III)-hydroxycarboxylic acid systems in aqueous systems. Synthetic approaches in biological systems.
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Chemical Engineering: Lever of Innovation and Development
May 25-27, 2017, Thessaloniki, Greece

124. Mechanistic investigation and development of protection biotechnology from Cu(II) oxidative stress in Alzheimer's disease
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Chemical Engineering: Lever of Innovation and Development
May 25-27, 2017, Thessaloniki, Greece

125. Scaffolds from biomaterials synthesis as substrate for tissue development in bones
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126. Comparative study of metal-induced oxidative stress based on bioavailable hybrid forms of Cu(II).
C. Iordanidou O. Tsave, A. Salifoglou
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May 25-27, 2017, Thessaloniki, Greece

127. Synthesis, structural and physicochemical characterization of hybrid magnetic liposomal nanocarriers for targeted transport and release of antioxidant compounds
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Chemical Engineering: Lever of Innovation and Development
May 25-27, 2017, Thessaloniki, Greece

128. Pathway Analysis of Prenatal Combined Exposure to Heavy Metals and Phthalates Related Child Motor Development
D.A. Sarigiannis, K. Polanska, W. Hanke, A. Salifoglou, A. Gabriel, N. Papaioannou, E. Handakas, S. Karakitsios

129. Synthesis, structural, physical and chemical characterization of hybrid magnetic liposome nanocarriers of novel antioxidants for targeted drug delivery.
E. Halevas, T.A. Papadopoulos, A. Hatzidimitriou, D. Reid, A. Salifoglou, G. Litsardakis
INTERMAG Europe 20
Bio-Medical Magnetic Therapies III. Session FM.
April 24-28, 2017, Dublin, Ireland

130. Antioxidant activity of naringin nanoparticles with potential applications in neurodegenerative diseases
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

131. Enhanced catechin inhibitory action in copper-induced morphological and functional consequences on Sprague Dawley neuronal cells
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February 2-5, 2017, Thessaloniki, Greece

132. Hybrid nanotechnology of antioxidant protection of curcumin in neurodegenerative processes
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February 2-5, 2017, Thessaloniki, Greece

133. The role of quercetin nanospheres in the development of neuronal cells in an antioxidant environment
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134. Evaluation of endogenous and non-endogenous metal ion activity in the peripheral and central nervous system
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10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece

135. Metal-induced oxidative stress and antioxidant protection in Alzheimer's type neurodegeneration
O. Tsave, A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece

136. Diabetes and obesity in Alzheimer's disease
C.M. Nday, D. Eleftheriadou, A. Salifoglou
10th Panhellenic Conference on Alzheimer's Disease (PICAD) and 2nd Mediterranean Conference on Neurodegenerative Diseases (MeCoND)
February 2-5, 2017, Thessaloniki, Greece

137. Study of zincoform lipogenicity in Diabetes mellitus II. Structure-function correlation
O. Tsave, C. Gabriel, M. Kafantari, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

138. Structure-dependent investigation of the toxic profile of hybrid materials of cadmium with physiological substrates
O. Tsave, A. Kapourani, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

139. Physicochemical study of binary systems of thallium with hydroxycarboxylic acids in aqueous solutions
S. Matsia, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

140. Synthesis, isolation and physicochemical characterization of a new binary material of Cu(II) with (O,N,)-substrates
O. Tsave, C. Gabriel, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

141. The lipogenic potential of vanadium in the form of Schiff base complexes with organic substrates
O. Tsave, K. Chachlioutaki, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

142. Vanadium-peroxido coordination compounds with zwitterionic substrates in the oxidation of alkene substrates
E. Kioseoglou, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

143. Encapsulation of antimicrobial combinations of essences with Zn(II) complexes in chitozan nanoparticles
E. Halevas, C.M. NDay, G. Litsardakis, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

144. Synthesis of silica nanoparticles with encapsulated antioxidant V(IV,V) formulations
E. Halevas, C.M. NDay, D. Eleftheriadou, G. Litsardakis, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

145. Quercetin encapsulation in magnetic nanoparticles and use in in vivo processes
C.M. NDay, E. Halevas, G. Litsardakis, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

146. Zn(II) complex nanoparticles for antibacterial use
C.M. NDay, E. Halevas, G. Litsardakis, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

147. New nanoparticles with encapsulated catechin against metals interrupting neuronal synaptic communication
C.M. NDay, E. Halevas, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

148. Synthesis of binary-ternary complex forms of Zn(II) with physiological substrates and structure-dependent insulin mimetic action
O. Tsave, M. Kafantari, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

149. Assessment of lipogenic potential of Cr(III) with emphasis in Diabetes mellitus II
O. Tsave, M. Kafantari, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry

December 2-4, 2016, Thessaloniki, Greece

150. Development of new binary and ternary materials of Ti(IV) with physiological substrates in potential pharmaceutical applications
A. Iordanidou, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

151. Synthesis and characterization of binary materials of Cd(II) with (hydroxyl)carboxylic acid substrates. Toxicity correlations
A. Iordanidou, A. Salifoglou
22th Pan-Hellenic Conference on Chemistry
December 2-4, 2016, Thessaloniki, Greece

152. A Novel Bacteria-Based Broadcast System Exploiting Chemotaxis
S. Mavridopoulos, P. Nicopolitidis, O. Tsave, A. Salifoglou, I. Vlahavas.
ACM NanoCom 2016
3rd ACM International Conference on Nanoscale Computing and Communication
September 28-30, 2016, New York, USA

153. Structural Speciation in Binary and Ternary Cd(II)(α-Hydroxycarboxylic Acid) Systems. Correlation with Heavy Metal Toxicity
A. Iordanidou, A. Salifoglou
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary

154. Vanadium Reduces Autophagic Flux and Inhibits Epithelial Mesenchymal Transition by Triggering Trail Induced Apoptosis in Cancer Cells
E. Kioseoglou, S. Petanidis, D. Anestakis, A. Salifoglou
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary

155. Regulation of TGF-β/SMAD Signaling by Antitumor Vanadium
S. Petanidis, E. Kioseoglou, D. Anestakis, A. Moustakas, J. Carthy, A. Salifoglou
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary

156. The Advent of Molecular Studies Formulating Zinc Metallodrugs in Insulin Mimetic Activity Toward Diabetes Mellitus II
C. Gabriel, O. Tsave, S. Petanidis, A. Salifoglou
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary

157. Chromium Enhancement of Adipogenesis and Influence on Molecular Markers
O. Tsave, M. Kafantari, C. Gabriel, A. Salifoglou
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary

158. Crossing the Pathway of Vanadium Peroxido Zwitterion Compounds and Catalysis of Alkene Substrates.

E. Kioseoglou, S. Petanidis, A. Salifoglou
13th European Biological Inorganic Chemistry Conference (Eurobic 13)
August 28-September 1, 2016, Budapest, Hungary

159. Structure-specific binary and ternary Zn(II)-Schiff base materials and insulin mimetic zinc-induced adipogenesis in 3T3-L1 fibroblasts
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

160. The link between vanadium-peroxido-betaine compounds and alkene epoxidation catalysis
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 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania

161. Regulation of TGF-β/SMAD signaling by antitumor vanadium
E. Kioseoglou, S. Petanidis, 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 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania

162. Investigating the pathway of vanadate-oxo-peroxido-betaine coordination chemistry and potential applications in biology
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 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania

163. Delving into the pathway of vanadium-peroxido-betaine compounds in catalysis
E. Kioseoglou, 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

164. Chitosan nanocarriers of zinc-essential oil “cocktails” for potential antibacterial activity
E. Halevas, C. M. NDay, A. Tsiaprazi-Stamou, D. Eleftheriadou, 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

165. Discovering the links between the synthesis and physicochemical properties of peroxide-vanadium-zwitterion compounds and the catalytic action in industry and biology
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 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania

166. Finding the protagonistic role of vanadium-diperoxido-betaine compounds as oxidizing catalysts
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 9th Edition of Symposium with International Participation
June 9-10, 2016, Timisoara, Romania

167. Catechin silica nanoparticle use against Cu(II) toxicity and synaptic loss in primary neuronal cells
C. M. NDay, 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

168. Vanadium reduces autophagy and inhibits metastatic niche by induction of trail-induced apoptosis in cancer cells
S. Petanidis, E. Kioseoglou, D. Anestakis, 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
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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)-H_2O_2-(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, Timişoara, 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, Timişoara, 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, Timişoara, 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
June 4-5, 2015, Timişoara, Romania

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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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
The 8th Edition of symposium with international participation
Romanian Academy of Sciences
June 4-5, 2015, Timişoara, 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, Timişoara, 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, Timişoara, 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. 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. Mermingi, 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. Moisidou, 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
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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
May 28-29, 2015, Timisoara, Romania

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
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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, K.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-b/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, 2014, 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 metastastic 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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 benzilic 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, Timişoara, 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, Timişoara, 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
Banat University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara
May 30-31, 2013, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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
8o 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
8o 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 3nd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timişoara, Romania

277. "Structural speciation in the Binary Cr(III)-Citrate system"
C. Gabriel, C. Mateescu, A. Salifoglou
The 3nd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timişoara, 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 3nd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timişoara, Romania

279. "The chemistry of the ternary vanadium-peroxido-betaine systems in aqueous media"
E. Kioseoglou, C. Gabriel, A. Salifoglou
The 3nd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timişoara, 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 3nd International Conference on Food Chemistry, Engineering & Technology
May 10-11, 2012, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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 (IIII,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-H_2O_2 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, Timişoara, 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, Timişoara, Romania

314. "Neuroprotective effects of chelator agents toward aluminium and Aβ 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, 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, Timişoara, Romania

320. "In vitro investigation of neuroprotective effects toward Al and Aβ 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 Foumaric 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. Vamvoureli, 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, Aβ(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 Aβ 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 Symposiu*m
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
Volume A, p. 341-344
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece

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. Kylindris
6th Panhellenic Scientific Conference of Chemical Engineering
Volume A, p. 365-368
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece

357. "Study of the Development of the Aqueous Chemistry of Co(II) with Phosphonate Substrates. Synthesis, Structural and Spectroscopic Studies"
M. Menelaou, A. Salifoglou, C. Mateescu
6th Panhellenic Scientific Conference of Chemical Engineering
Volume A, p. 349-352
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece

358. "The Chemistry of Ti(IV) in Ternary Systems Containing H_2O_2. Synthetic, Structural and Spectroscopic Studies of the Ti(IV)-peroxo-citrate in Aqueous Solutions"
P. Panagiotidis, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering
Volume A, p. 361-364
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece

359. "Understanding the Metallobiochemistry of Co(II) through the Structural Speciation of the Binary System Co(II)-Quinic Acid"
M. Menelaou, A. Constantopai, A. Salifoglou
6th Panhellenic Scientific Conference of Chemical Engineering

Volume A, p. 345-348
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece

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
6th Panhellenic Scientific Conference of Chemical Engineering
Volume A, p. 549-552
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece

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
6th Panhellenic Scientific Conference of Chemical Engineering
Volume A, p. 557-560
May 31- June 2, 2007, ABG Conference Center, Kastri, Athens, Greece

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
29th Scientific Conference E.E.B.E.
17-19 May 2007, Kavala, Greece

363. "Synthesis and Characterization of Two New Co(II)-Quinate Complex Forms from Aqueous Solutions. Correlation with the Biological Co(II) Speciation"
Melita Menelaou, A. Konstantopai, A. Salifoglou
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania

364. "The Synthesis, Isolation and Spectroscopic Characterization of a new Ni(II)-Hydroxycarboxylate Complex. Steps toward Understanding of Ni(II) Toxicity"
Melita Menelaou, C. Mateescu, A. Salifoglou
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania

365. "Investigation of the Aqueous Binary System Al(III)-Organophosphate Ligand. Relevance to Al(III) Biotoxicity"
Melita Menelaou, V. Georgantas, A. Salifoglou
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania

366. "Investigation of Neurotoxic Effects of Al(III) on Neuronal and Glial Cells Through N-Methyl D-Aspartic Acid Receptors"

Christiane Nday, Alison J. Drysdale, Bettina Platt, A. Salifoglou
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania

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.
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania

368. Aqueous Studies of The Binary Cr(III)-Citrate System
Catherine Gabriel, C. Mateescu, A. Salifoglou
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania

369. Aqueous Synthetic Chemistry of Vanadium(V) with Citrate
Catherine Gabriel, A. Salifoglou
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania

370. Study of The Interaction of The Neurotoxin Al(III) With Quinic Acid
Catherine Gabriel, Melita Menelaou, Athanasios Salifoglou
Trends in Food Safety and Processing
Banat University of Agricultural Sciences and Veterinary Medicine
May, 17-18, 2007, Timisoara, Romania

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

372. "Neuroprotective Effects of Two New Crystalline Compounds of Al(III) on Neuronal Cells"
Christiane Nday, A. J. Drysdale, B. Platt, A. Salifoglou
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus

373. "Study of the Interaction of Neurotoxic Al(III) with the Organophosphonic Substrate NTAP"
M. Menelaou, K. Gabriel, A. Salifoglou
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus

374. "Synthesis, Isolation and Physicochemical Characterization of New Crystalline Compounds of Co(II) With Quinic Acid"
M. Menelaou, A. Constantopai, A. Salifoglou
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus

375. "The Neuroprotective Action of Quinic Acid Toward Toxicity Effects of Al(III)"
J. Lazaridis. A. Stergiadi, Bettina Platt, A. Salifoglou.
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus

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

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

378. "Synthetic Approaches in the Structural Speciation of Neurotoxic Al(III) with Quinic Acid"
C. Gabriel, M. Menelaou, A. Salifoglou
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus

379. "Synthetic, Structural and Spectroscopic Studies of Ternary Systems of Ti(IV)-H_2O_2-Citric Acid in Aqueous Solution"
P. Panagiotidis, A. Salifoglou
9th Greece-Cyprus Conference
Chemistry and Sustainable Growth
April 27-30, 2007, Larnaca, Cyprus

380. "The role of the aqueous chemistry of biotoxic aluminum in the presence of quinic acid in neurodegeneration"
C. Gabriel, M. Menelaou, A. Salifoglou
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece

381. "The metallotoxicity of Al(III) and the neuroprotective effect of quinic acid"

J. Lazaridis, A. Stergiadi, A. Salifoglou, B. Platt
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece

382. "Correlation of Al(III) toxicity with Alzheimer's type neurodegenerative diseases"
C. Nday, A. J. Drysdale, A. Salifoglou, B. Platt
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece

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
February 22-25, 2007, Thessaloniki, Greece

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
5th National Conference in Alzheimer's Disease and Related Disorders
February 22-25, 2007, Thessaloniki, Greece

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
May 25-26, 2006, Timisoara, Romania

386. "Synthesis, Structural and Spectroscopic Characterization of a New Cr(III)-Citrate Complex. Relevance to Chromium Toxicity"
Catherine Gabriel, C. Mateescu, A. Salifoglou
New Trends in Food Safety and Food Technology
May 25-26, 2006, Timisoara, Romania

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
May 25-26, 2006, Timisoara, Romania

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
May 25-26, 2006, Timisoara, Romania

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

May 25-26, 2006, Timisoara, Romania

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
5th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2005, Athens, Greece

392. "Inorganic-Organic hybrid aqueous chemistry in the binary Mn(II)-quinate system"
M. Menelaou, A. Salifoglou
5th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2005, Athens, Greece

393. "Growth of aqueous chemistry of environmental metallotoxin Hg(II) with biomimetic phosphonic substrates"
J. Mpounias, A. Salifoglou
5th International Symposium on Trace Elements in Human: New Perspectives
October 13-15, 2005, Athens, Greece

394. "The synthetic chemistry of Vanadium V(V) with citric acid in the presence of hydrogen peroxide"
C. Gabriel, M. Kaliva, A. Salifoglou
20o Pan-Hellenic Chemistry Conference
"Chemistry: Education, Research and Implementation"
September 20-24, 2005, Ioannina, Greece

395. "The synthetic chemistry of manganese Mn(II) with quinic acid
M. Menelaou, A. Salifoglou
20o 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
20o Pan-Hellenic Chemistry Conference
"Chemistry: Education, Research and Implementation"
September 20-24, 2005, Ioannina, Greece

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
20o Pan-Hellenic Chemistry Conference
"Chemistry: Education, Research and Implementation"

September 20-24, 2005, Ioannina, Greece

398. "Aqueous chemistry of Ti(IV) with physiological ligands. Synthesis and characterization of a new Ti(IV)-citric complex in aqueous media"
P. Panagiotidis, E. Kefalas, A. Salifoglou
20^{o} Pan-Hellenic Chemistry Conference
"Chemistry: Education, Research and Implementation"
September 20-24, 2005, Ioannina, Greece

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 Kortz, Bernd Jastorff, Elpida-N. Emmanouil-Nikoloussi
"Sustainable Green Chemistry and Chemical Technology"
Conference on Knowledge-Based Materials and Technologies for Sustainable Chemistry
June 1-5, 2005, Tallin, Estonia.

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
Banat University of Agricultural and Veterinary Medicine
May 26-27, 2005, Timisoara, Romania

401. "Synthesis and characterization of new Cd(II)-citrate complexes. Aqueous Cd(II)-citrate speciation studies"
P. Panagiotidis, E. Kefalas, A. Salifoglou
Volume XI, No. 1, p. 53-56
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

402. "A chromium(III)-citrate complex from aqueous solutions
C. Gabriel, A. Salifoglou
Volume XI, No. 1, p. 57-60
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

403. "Synthesis of an inorganic-organic hybrid manganese(II)-quinate from aqueous solutions
M. Menelaou, A. Salifoglou
Volume XI, No. 1, p. 61-64
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

404. "Structural speciation attempts in the binary Ti(IV)-citrate system in aqueous media"
P. Panagiotidis, E. Kefalas, A. Salifoglou
Volume XI, No. 1, p. 65-68
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

405. Speciation studies of Europium(III) with (poly)phosphonate ligands. The case of EDTMP.
C. Mateescu, D. Dogaru, E. Princz, A. Salifoglou
Volume XI, No. 1, p. 73-78
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

406. Isolation and characterization of a new complex of neurotoxic Al(III) with citric acid.
C. Gabriel, M. Menelaou, A. Salifoglou
8th Greece-Cyprus Chemistry Conference
"Chemistry, Quality of Life and Education"
December 10-14, 2004, Thessaloniki, Greece

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
8th Greece-Cyprus Chemistry Conference
"Chemistry, Quality of Life and Education"
December 10-14, 2004, Thessaloniki, Greece

408. Speciation chemistry of cadmium Cd(II) with citric acid. Water-soluble complex species of potential toxicity.
P. Panagiotidis, E. Kefalas, A. Salifoglou
8th Greece-Cyprus Chemistry Conference
"Chemistry, Quality of Life and Education"
December 10-14, 2004, Thessaloniki, Greece

409. Structural speciation of insulin mimetic vanadium with citric acid in the presence of hydrogen peroxide.
M. Kaliva, A. Salifoglou
8th Greece-Cyprus Chemistry Conference
"Chemistry, Quality of Life and Education"
December 10-14, 2004, Thessaloniki, Greece

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
10th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2004
Banat's University of Agricultural Sciences and Veterinary Medicine. Faculty of Agrofood Technologies
May 20-21, 2004, Timisoara, Romania

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
10th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2004
Banat's University of Agricultural Sciences and Veterinary Medicine. Faculty of Agrofood Technologies
May 20-21, 2004, Timisoara, Romania

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
10th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2004
Banat's University of Agricultural Sciences and Veterinary Medicine. Faculty of Agrofood Technologies
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
10th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2004
Banat's University of Agricultural Sciences and Veterinary Medicine. Faculty of Agrofood Technologies
May 20-21, 2004, Timisoara, Romania

414. Protonation Behavior of Aminopolyphosphonic Acids. The Case of EDTMP.
C. Mateescu, E. Princz, A. Mateescu, A. Salifoglou
10th Symposium on "Agroalimentary Processes and Technologies" of the Timisoara's Academic Days 2004
Banat's University of Agricultural Sciences and Veterinary Medicine. Faculty of Agrofood Technologies
May 20-21, 2004, Timisoara, Romania

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
October 1-4, 2003, Rome, Italy.

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
11th Physical Chemistry Conference with International Participation
ROMPHYSCHEM 11
September 2-5, 2003, Timişoara, Romania.

417. Speciation studies of aluminum with EDTMP
A. Mateescu, C. Mateescu, A. Salifoglou
11th Physical Chemistry Conference with International Participation
ROMPHYSCHEM 11
September 2-5, 2003, Timişoara, Romania.

418. Study of the antioxidant properties and HPLC analysis of sage extracts in organic solvents
N. Petrakis, M. Kapsokefalou, A. Salifoglou
11th Physical Chemistry Conference with International Participation
ROMPHYSCHEM 11
September 2-5, 2003, Timişoara, Romania.

419. Systematic studies of aqueous chemistry of insulin-mimetic vanadium(V) with citric acid
M. Kaliva, C. P. Raptopoulou, A. Terzis, A. Salifoglou
11th Physical Chemistry Conference with International Participation
ROMPHYSCHEM 11
September 2-5, 2003, Timişoara, Romania.

420. Varying neurotoxicity upon short-term exposure to different aluminium salts
A. J. Drysdale, E. v. L. Roloff, A. Salifoglou, B. Platt
Fifth Keele Meeting on Aluminium
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
November 6-10, 2002, Heraklion, Greece

422. Synthesis, Isolation and Characterization of complexes $(NH_4)_5[Ti_4(O_2)_4(cit)_2(citH)_2] \cdot 2H_2O$ and $K_7[Ti_4(O_2)_4(cit)_2(citH)_2] \cdot 2H_2O$ in Studies of the Aqueous Chemistry of Titanium with the Physiological Citric Acid.
E. Kefalas, M. Dakanali, A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece

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 $K[Al(C_7H_{11}O_6)_3(OH] \cdot 5H_2O$ 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. Manioydaki, C. Mateescu, A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece

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
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece

426. Studies of the Aqueous Chemistry of Vanadium(V) with Citric Acid
M. Kaliva, A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece

427. Speciation Studies of Aluminum with (poly)Phosphonate ligands. The Case of EDTMP (Ethylene Diamine Tetramethylene Phosphonic acid).
A. Mateescu, C. Mateescu, A. Salifoglou
19th Pan-Hellenic Conference on Chemistry
November 6-10, 2002, Heraklion, Greece

428. In vitro Antioxidant Activity of Mediterranean Herb Infusions Toward Iron Under Simulated Gastrointestinal Conditions
C. Matsingou, M. Kapsokefalou, A. Salifoglou
17th International Congress on Nutrition
August 27-31, 2001, Vienna, Austria

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
18th Panhellenic Conference in Chemistry
March 10-13, 2001, Pireaus, Greece.

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
18th Panhellenic Conference in Chemistry
March 10-13, 2001, Pireaus, Greece.

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
18th Panhellenic Conference in Chemistry
March 10-13, 2001, Pireaus, Greece.

432. The Chemistry of Lead and Cadmium with Tricarboxylic Acids. Potential Structural

Links to the Biotoxicity of Those Heavy Metal Ions.
M. Dakanali, M. Kourgiantakis, C. P. Raptopoulou, A. Terzis, A. Salifoglou
18th Panhellenic Conference in Chemistry
March 10-13, 2001, Pireaus, Greece.

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
5th FGIPS Meeting in Inorganic Chemistry
October 27-31, 1999, Toulouse, France.

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
37th IUPAC Congress and 27th GDCh General Meeting
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
5th International Symposium on Applied Bioinorganic Chemistry
April 13-17, 1999, Corfu, Greece.

437. Aluminum Citrate Studies in Neurodegenerative Diseases
M. Kourgiantakis, M. Dakanali, M. Matzapetakis, A. Terzis, C. P. Raptopoulou, A. Salifoglou
5th International Symposium on Applied Bioinorganic Chemistry
April 13-17, 1999, Corfu, Greece.

438. Antioxidant Activity of Plant Extracts Under in vitro Digestion Conditions
C. Matsingou, M. Kapsokefalou, A. Salifoglou
9th Panhellenic Pharmaceutical Congress
November 7-9, 1998, Athens, Greece.

439. Vanadium Citric Acid Chemistry in Aqueous Solutions
A. Salifoglou, M. Tsaramyrsi, C. P. Raptopoulou, A. Terzis
XXXIII International Conference on Coordination Chemistry
"The Chemistry of Metal Ions in Everyday Life"
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
1st International Conference of the Chemical Societies of the South-East European Countries
"Chemical Sciences and Industry"

June 1-4, 1998, Halkidiki, Greece.

441. Polyphenols, Iron and Antioxidant Activity in Black Tea.
C. Matsingou, M. Kapsokefalou, A. Salifoglou
Dept. of Chemistry, University of Crete, Heraklion, Greece
2nd Symposium of the Institute of Physical Chemistry
"Chemical Research and Industry"
December 3-5, 1997, NRCPS "Demokritos", Athens, Greece.

442. The Chemical Affinity of Vanadium for Citrates in Biological Fluids.
M. Tsaramirsi, T. Salifoglou
Dept. of Chemistry, University of Crete, Heraklion, Greece
A. Terzis, C. P. Raptopoulou
NRCPS "Demokritos", Institute of Material Science, Aghia Paraskevi, Attiki, Greece.
2nd Symposium of the Institute of Physical Chemistry
"Chemical Research and Industry"
December 3-5, 1997, NRCPS "Demokritos", Athens, Greece.

443. The Influence of Zn^{2+} 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
14-18 October 1997, Corfu, Greece.

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
NRCPS "Demokritos", Institute of Material Science, Agia Paraskevi, Attiki, Greece.

4th (FGIPS) European Mediterranean Conference in Inorganic Chemistry
October 14-18, 1997, Corfu, Greece.

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
17th Panhellenic Chemical Society Meeting
"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 Fe_2S_2 Complexes. A Comparison with the Fe_2S_2 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.