

Αναλυτικό Βιογραφικό Σημείωμα Καθηγητή Γεράσιμου Λυμπεράτου



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Άλλες θέσεις/λειτουργίες:

- Συνεργαζόμενο μέλος ΔΕΠ ΙΤΕ/ΙΕΧΜΗ
- Πρόεδρος Δημοτικού Συμβουλίου Χαλανδρίου, εντεταλμένος για θέματα ανακύκλωσης
- Αν.Πρόεδρος Ελληνικού Υδατικού Συνδέσμου
- Editor, Journal of Hazardous Materials (ELSEVIER)
- Associate Editor, Waste and Biomass Valorization (SPRINGER)
- Associate Editor, GNEST Journal

Εκπαίδευση:

- Λύκειο: Κολλέγιο Αθηνών, Ιούνιος 1977
- Bachelor of Science στη Χημική Μηχανική, Massachusetts Institute of Technology, USA, June 1980
- Masters of Science στη Χημική Μηχανική California Institute of Technology, USA, Ιούνιος, 1982
- PhD στη Χημική Μηχανική, California Institute of Technology, USA, Ιούνιος 1984

Τίτλος διδακτορικής διατριβής: "*Dynamic and Steady-State Bifurcation for Modeling Chemical Reaction Systems*", Επιβλέπων: Prof. James E. Bailey

Παρελθούσες Θέσεις:

- 2005-2017, ΣΕΠ, Ελληνικό Ανοικτό Πανεπιστήμιο στο Μεταπτυχιακό Πρόγραμμα «Διαχείριση Αποβλήτων» (τα πρώτα χρόνια και Ακαδημαϊκός υπεύθυνος, επίσης συντονιστής ενότητας «Διαχείριση στερεών αποβλήτων» μέχρι το 2016)
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- Σεπ.1999 – Αυγ.2003 Πρόεδρος Χημικών Μηχανικών, Πανεπιστήμιο Πατρών
- Σεπ.1994-Αυγ.1997, Αντιπρύτανης του Πανεπιστημίου Πατρών
- Ιούλιος 1990-Σεπ.1993, Αναπληρωτής καθηγητής, Πανεπιστήμιο Πατρών
- Αυγ. 1988-Ιούλιος1990 , Associate Professor(tenured), University of Florida, USA
- Δεκ. 1983-Αυγ. 1988, Assistant Professor, University of Florida
- 1981-1982, Teaching Assistant, California Institute of Technology

Ξένες Γλώσσες:

- Αγγλικά (άριστα)
- Γαλλικά (καλά)
- Γερμανικά (καλά)
- Ισπανικά (μέτρια)
- Ιταλικά (λίγα)

Μέλος στα:

- International Water Association
- International Solid Wastes Association
- Ελληνική Εταιρεία Διαχείρισης Στερεών Αποβλήτων
- Ελληνική Εταιρεία Βιοτεχνολογίας
- Μικροβιόκοσμος
- Τεχνικό Επιμελητήριο Ελλάδος
- Πανελλήνιος Σύνδεσμος Χημικών Μηχανικών
- Ελληνικός Υδατικός Σύνδεσμος
- Γεωργική Ακαδημία Αθηνών

Συγγραφικό έργο:

- 223 δημοσιεύσεις σε διεθνή επιστημονικά περιοδικά με κριτές
- 378 συμμετοχές σε επιστημονικά συνέδρια (313 διεθνή)
- 4 βιβλία
- 13 κεφάλαια σε βιβλία

H index SCOPUS: 49

SCOPUS 8208 αναφορές

Επίβλεψη διατριβών:

37 διδακτορικές

34 Μάστερ

1. ΕΡΕΥΝΗΤΙΚΟ ΕΡΓΟ

A. Δημοσιεύσεις σε διεθνή περιοδικά με κριτές

1. Abulesz, E.M. and Lyberatos, G., "Novel Approach for Determining Optimal Regimen for Cancer Chemotherapy," *Int. J. Systems Science*, v. 19, pp. 1483-1497, (1988).
2. Abulesz, E.M. and Lyberatos, G., "Periodic Impulse Forcing of Nonlinear Systems: a New Method," *International Journal of Control*, 48, pp. 469-480, (1988).
3. Abulesz, E.M. and Lyberatos, G., "Periodic Operation of a Continuous Culture of Baker's Yeast," *Biotechnology and Bioengineering*, v. 34, 741-749, (1989).
4. Abulesz, E-M. and Lyberatos, G., "Periodic Optimization of Microbial Growth Processes," *Biotechnology and Bioengineering*, 29, pp. 1059-1065, (1987).
5. Aggelis G., Ehaliotis C., Nerud F., Stoychef I., Lyberatos G., Zervakis G.I., "Evaluation of white-rot fungi for detoxification and decolorization of effluents from the green olive debittering process", *Applied Microbiology and Biotechnology*, 59, 353-360, (2002)
6. Aggelis G., Gavala H.N. and Lyberatos G., "Combined and separate aerobic and anaerobic biotreatment of green olive debittering wastewater", *Journal of Agricultural Engineering Research*, 80, 3, 283-292, (2001)
7. Alexandropoulou, M., Antonopoulou, G., Lyberatos, G., "A novel approach of modeling continuous dark hydrogen fermentation" , *Bioresource Technology*, 250, pp. 784-792, (2018)
8. Alexandropoulou M., Antonopoulou G., Ntaikou I., Lyberatos G., "Fungal pretreatment of willow sawdust with *Abortiporus biennis* for anaerobic digestion: Impact of an external nitrogen source», *Sustainability*, 9 (1), 130, (2017)
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15. Antonopoulou, G ; Ntaikou, I ; Bebelis, S ; Lyberatos, G , "On the evaluation of filtered and pretreated cheese whey as an electron donor in a single chamber microbial fuel cell", *BIOMASS CONVERSION AND BIOREFINERY*, 11, 633-643, (2021)
16. Antonopoulou, G ; Alexandropoulou, M ; Ntaikou, I ; Lyberatos, G, "From waste to fuel: Energy recovery from household food waste via its bioconversion to energy carriers based on microbiological processes", *SCIENCE OF THE TOTAL ENVIRONMENT*, 732, 139230. 10.1016/j.scitotenv.2020.139230, (2020)
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37. Δούναβης Α., Ντάικου Ι., Λυμπεράτος Γ., «Επίδραση της συγκέντρωσης υποστρώματος κατά την παραγωγή βιοϋδρογόνου από βιομηχανική γλυκερόλη με ακινητοποιημένους μικροοργανισμούς», Αθήνα 23-25 Μαΐου, (2013)
38. Δούναβης Α., Γ. Σαβογλίδης, Κ. Κράβαρης και Γ. Λυμπεράτος «Αυτόματη ρύθμιση αναερόβιου χωνευτήρα τύπου CSTR τροφοδοτούμενου με οξικό οξύ», 8^ο Πανελλήνιο επιστημονικό Συνέδριο Χημικής Μηχανικής, Θεσσαλονίκη (2011)
39. Καμπράνης Α., Α.Πιστική, Α.Κούβελας, Α.Θεοδωρακοπούλου, Γ.Λυμπεράτος, Κ.Αγγελόπουλος, «Βιολογική Καλλιέργειας γλυκού σόργου για την παραγωγή βιομάζας – η επίδραση της έλλειψης νερού άρδευσης στις αποδόσεις» 2ο Πανελλήνιο Συνέδριο Εναλλακτικών Καυσίμων και Βιοκαυσίμων, Λίμνη Πλαστήρα, Απρίλιος (2007)
40. Κουμέλης Ι., Ντάικου Ι., Λυμπεράτος Γ., «Παραγωγή βιοαποδομήσιμων πλαστικών από συνθετικά υποστρώματα και βιομηχανική γλυκερόλη μέσω μικτών μικροβιακών καλλιεργειών», Αθήνα 23-25 Μαΐου, (2013)
41. Κουμέλης Ι., Δούναβης Α., Ντάικου Ι., Λυμπεράτος Γ., «Συνδυαστική παραγωγή βιοϋδρογόνου και πολυ-υδροξυαλκανοϊκών εστέρων από βιομηχανική γλυκερόλη», 5ο Συνέδριο της Επιστημονικής Εταιρίας Mikrobiokosmos, Αθήνα 14-16 Δεκεμβρίου (2012)
42. Κουμέλης Ι., Ντάικου Ι., Ιατρίδη Ζ., Τσιτσιλιάνης Κ., Λυμπεράτος Γ., «Polyhydroxyalkanoates (PHAs) production from mixed microbial cultures derived from soil: effect of nitrogen on final yields and properties», National conference on Polymers, Thessaloniki (2012)
43. Λυμπεράτος Γ., «Κομποστοποίηση και Αναερόβια Χώνευση Αγροβιομηχανικών Αποβλήτων», Συνέδριο με θέμα «Κομποστοποίηση και Εναλλακτική Διαχείριση Αποβλήτων στη Τοπική Αυτοδιοίκηση», Αθήνα, 26-28 Νοεμβρίου (2014)
44. Λυμπεράτος Γ., «Αναερόβια χώνευση – Κομποστοποίηση: Απαραίτητος συνδυασμός για ολοκληρωμένη ενεργειακή αξιοποίηση οργανικών αποβλήτων», στην ημερίδα «ΕΝΕΡΓΕΙΑ από BIOMAZA: Ενέργεια από αγροτικά υπολείμματα και αγροτοβιομηχανικά απόβλητα», Μ.Ε.Σ. Expo Center, Παιανία, 6 Οκτωβρίου 2013
45. Λυμπεράτος Γ., Ντάικου Ι. και Αντωνοπούλου Γ., “Η δυνατότητα παραγωγής βιοϋδρογόνου από απόβλητα και βιομάζα”, “Καινοτόμες μέθοδοι για ολοκληρωμένη αξιοποίηση αποβλήτων από την επεξεργασία αγροτικών προϊόντων”, ΕΚΕΤΑ, Θεσσαλονίκη, 19 – 20 Νοεμβρίου (2013)
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50. Λυμπεράτος Γ., Μαραζιώτη Κ., «Περιβαλλοντική Κατάσταση των Λιμνοθαλασσών Αιτωλικού –Μεσολογίου», Ημερίδα «Η λιμνοθάλασσα του Αιτωλικού και το περιβάλλον της», Αιτωλικό, 11/3 (2007)

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52. Λύτρας Γ.-Μ., Μαλαβέτας Γ., Ντάικου Ι., Παπαδοπούλου Κ., Λυμπεράτος Γ., Λύτρας Χ., «Υλοποιώντας ένα διαφασικό βιοαντιδραστήρα για την απομάκρυνση Cr(VI) από βιομηχανικά απόβλητα», 10th Panhellenic Scientific Conference in Chemical Engineering, Patras, Greece, June 4-6 (2015).
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56. Παπανικόλα Κ., Παπαδοπούλου Κ., Τσιλιγιάννης Χ., Κατσιάμπουλας Α., Χαλαράκης Ε., Γεωργιοπούλου Μ., Μιχαλόπουλος Γ., Λυμπεράτος Γ., “ΕΝΕΡΓΕΙΑΚΗ ΑΞΙΟΠΟΙΗΣΗ ΒΙΟΜΑΖΑΣ ΑΠΟ ΟΙΚΙΑΚΑ ΖΥΜΩΣΙΜΑ ΑΠΟΡΡΙΜΜΑΤΑ ΩΣ ΕΝΑΛΛΑΚΤΙΚΑ ΚΑΥΣΙΜΑ ΣΤΗΝ ΤΣΙΜΕΝΤΟΒΙΟΜΗΧΑΝΙΑ”, 11th Panhellenic Scientific Conference in Chemical Engineering, Thessaloniki, Greece, May 25-27 (2017).
57. Παπαδοπούλου Κ., Λύτρας Χ., Νιάκας Σ., Μελανίτου Ε., Παπανικόλα Κ., Λύτρας Γ., Μιχαλόπουλος Ι., Χατζηκωνσταντίνου Δ., Τρεμούλη Α., Ντάικου Ι., Αντωνοπούλου Γ., Λυμπεράτος Γ. “ΠΑΡΑΓΩΓΗ ΚΑΙ ΑΞΙΟΠΟΙΗΣΗ ΠΡΟΪΟΝΤΟΣ ΒΙΟΜΑΖΑΣ ΑΠΟ ΟΙΚΙΑΚΑ ΖΥΜΩΣΙΜΑ ΑΠΟΒΛΗΤΑ” 11th Panhellenic Scientific Conference in Chemical Engineering, Thessaloniki, Greece, May 25-27 (2017).
58. Παπαδοπούλου Κ., Χ. Λύτρας, Σ. Νιάκας, Ε. Μελανίτου, Κ. Παπανικόλα, Γ. Λύτρας, Ι. Μιχαλόπουλος, Δ. Χατζηκωνσταντίνου, Δ. Μαθιουδάκης, Α. Τρεμούλη, Ι. Ντάικου, Γ. Αντωνοπούλου, Γ. Λυμπεράτος “Παραγωγή και αξιοποίηση προϊόντος βιομάζας από οικιακά ζυμώσιμα απόβλητα στο Δήμο Χαλανδρίου”, 5ο Διεθνές Συνέδριο ΕΕΔΣΑ, «Η Διαχείριση Στερεών Αποβλήτων και η Συμβολή της στην Κυκλική Οικονομία, Αθήνα 14-15 Δεκεμβρίου 2017.
59. Ντάικου Ι. και Λυμπεράτος Γ., «Αξιοποίηση αποβλήτων ελαιοτριβείων μέσω μικροβιακών διεργασιών», Μικροβιόκοσμος 2011, Ιωάννινα (2011)
60. Σαβογλίδης Γ., Γ. Λυμπεράτος, Κ. Σταματελάτου και Κ. Κράβαρης, «Παρακολούθηση και ρύθμιση βάσει μαθηματικού μοντέλου ενός αναερόβιου χωνευτήρα τύπου CSTR», 7ο Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής, Πάτρα, 3-5 Ιουνίου (2009)
61. Σταματελάτου Κ. και Λυμπεράτος Γ., «Μικροβιακές Κυψελίδες Καυσίμων: ο βιολογικός καθαρισμός του μέλλοντος», Ημερίδα ΤΕΕ και ΠΠ «Νέες Τεχνολογίες και Πολίτης», 22/11 (2008)
62. Σταματελάτου Κ., Δοκιανάκης Σ., Δρίλλια Π., Φουντουλάκης Μ., Φρούντα Κ., Κορνάρος Μ. και Γ. Λυμπεράτος «Η πορεία των φαρμακευτικών ουσιών μέχρι την εναπόθεση τους στο περιβάλλον: το παράδειγμα της οφλοξακίνης» 4ο Πανελλήνιο Συνέδριο Χημικής Μηχανικής, Πάτρα, 1045-1048, 29-31 Μαΐου (2003)

63. Τζιώτζιος Γ., Βαγενάς Δ. Β. και Λυμπεράτος Γ., *”Βιολογική Απομάκρυνση φαινόλης με τη χρήση Χαλικοδιυλιστηρίου»*, 5^ο Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής, Θεσ/νίκη, Μάιος (2005)
64. Τρεμούλη Α., Φερτάκη Σ., Αντωνοπούλου Γ. και Γ.Λυμπεράτος, *«Παραγωγή ηλεκτρικού ρεύματος από συνθετικό απόβλητο και αστικό λύμα σε μικροβιακή κυψελίδα καυσίμου»*, 8ο Πανελλήνιο επιστημονικό Συνέδριο Χημικής Μηχανικής, Θεσσαλονίκη (2011)
65. Φουντουλάκης Μ., Πάκου Κ., Μπλικά Ε. , Σταματελάτου Κ., Γαβαλά Χ., Σκιαδάς Ι., και Λυμπεράτος Γ., *«Τύχη των Ξενοβιοτικών Ουσιών κατά την Επεξεργασία της Ιλύος»*, 5^ο Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής, Θεσ/νίκη, Μάιος (2005)

Summer schools:

1. Lyberatos G., *Microbial Fuel Cells*, 1st Training school, Energy recovery in anaerobic processes in wastewater and sludge processing, Silesian University of Technology, Gliwice, Poland, 24th-27th September 2013
2. Lyberatos G., *Hydrogen and biopolymer production*, 1st Training school, Energy recovery in anaerobic processes in wastewater and sludge processing, Silesian University of Technology, Gliwice, Poland, 24th-27th September 2013
3. Lyberatos G., *Science and Engineering of biowaste conversion pathways*, 1st SAHYOG Summer School, Athens, 9-16 June 2013
4. Lyberatos G., *Chemicals in electronic wastes. Impacts and technologies for recovery and safe disposal*, EWASTEU: Legal Regulations and Implementations on E-Waste in EU - Yasar University Izmir, Turkey 28 April-11 May 2013
5. Lyberatos G., *“Organic Wastes and Wastewaters as Sources of Materials and Energy”*, WasteEng 2014, Rio di Janeiro Brazil (2014)
6. Lyberatos G., *“Biohydrogen and biomethane and from agro-industrial wastewaters”*, Nicosia, Cyprus, October 29-31, (2014)

2. ΕΚΠΑΙΔΕΥΤΙΚΟ ΕΡΓΟ

A. Διδαχθέντα μαθήματα

1. Εθνικό Μετσόβιο Πολυτεχνείο :

Βιοχημική Μηχανική
Περιβαλλοντική Μηχανική
Στοιχεία Μηχανολογικού Εξοπλισμού
Ηλεκτρομηχανολογικός εξοπλισμός Διεργασιών
Βιοτεχνολογία και Περιβάλλον
Φαινόμενα Μεταφοράς I: Ροή Ρευστών
Βιομάζα (μεταπτυχιακό, ΔΠΜΣ Παραγωγή και Διαχείριση Ενέργειας)

2. Ελληνικό Ανοικτό Πανεπιστήμιο:

ΔΙΑ 51 Διαχείριση Στερεών Αποβλήτων

3. Πανεπιστήμιο Πατρών:

1. Τεχνολογία Περιβάλλοντος
2. Βιοχημικές Διεργασίες
3. Επεξεργασία Βιομηχανικών Αποβλήτων
4. Επεξεργασία Στερεών Απορριμμάτων
5. Βιολογία

4. Μεταπτυχιακά/Επιμορφωτικά Μαθήματα στο Παν/μιο Πατρών:

1. Βιολογικός Καθαρισμός (Φθινόπωρο '91, 60 ώρες εισηγήσεων)
2. Βιοχημικές Διεργασίες (Φθινόπωρο '91, 30 ώρες εισηγήσεων)
3. Ρύθμιση Διεργασιών, (μεταπτυχιακό)
4. Τεχνολογία Περιβάλλοντος, (μεταπτυχιακό)
5. Περιβαλλοντική Βιοτεχνολογία, (μεταπτυχιακό)

University of Florida:

Προπτυχιακά:

1. ECH 3023 Introduction to Chemical Engineering
2. ECH 4404L Chemical Engineering Operations Laboratory
3. CAP 3210 Computer Model Formulation
4. ECH 4934 Professional Seminar
5. ECH 4524 Reactor Dynamics and Design
6. ECH 4504 Chemical Kinetics and Processing

Μεταπτυχιακά:

1. ECH 5746 Biochemical Engineering Principles
2. ECH 3012 Elements of Chemical Engineering
3. ECH 6937 Graduate Thermodynamics
4. ECH 6926 Graduate Seminar

5. ECH 6126 Computer Control of Processes

B. Επίβλεψη διατριβών:

Διδακτορικά:

1. O'Neil, D.G., "Dynamic Modelling of Continuous Microbial Growth Processes", 1988, U. Florida
2. Abulesz, E.M., "Periodic Optimization of Biological Systems", 1988, U. Florida
3. Stephens, M.L., "The Effect of Periodic Operation on Mixed and Recombinant Bacterial Populations", 1989, U. Florida
4. Harmon, J., "Adaptive Optimization of Continuous Microbial Growth Processes", 1990, U. Florida
5. Rodin, B., "Temporal Versus Spatial Separation of Growth and Lactate Production Phases for a Mutant Escherichia Coli Culture", 1992, U. Florida
6. Pullamanapallip, P., "Modelling and Control of the Anaerobic Digestion Process", 1992, U. Florida
7. Vayenas D., " Modeling of Nitrifying Trickling Filters", 1994, University of Patras
8. Kornaros M., "Modeling and Optimization of Denitrification Systems", 1995, University of Patras
9. Skiadas I., "The Periodic Anaerobic Baffled Reactor", 1998, U.of Patras
10. Zafiri C., "Modeling of Biological Phosphorus Removal", 1996, University of Patras
11. Liakou S., "Integrated Chemical and Biological Wastewater Treatment" 1998, U. of Patras
12. Gavala H., "Anaerobic Codigestion of Agroindustrial wastewaters", in process, 1998, U. of Patras
13. Zissi U., "Biodegradation of azo-dyes by pure and defined mixed microbial cultures", 1998, U. of Patras
14. Stamatelatou, K., "Optimization of anaerobic treatment processes", 1999, U.of Patras
15. Katsoyannis A., "Biological Nitrogen Removal and Adaptive Optimization of Nitrification in Sequencing Batch Reactors", 2001, U. of Patras
16. Agelis George, "Treatment of Edible Olive Processing Wastewater", 2001, U. of Patras
17. Marazioti Constantina, "Dynamics of Mixed Denitrifying Cultures", 2003, U. of Patras
18. Drillia Panagiota, "Fate of pharmaceuticals in soils, natural waters and wastewater treatment processes", 2005, U. of Patras
19. Fountoulakis, Michael, "Fate and Impact of xenobiotics on the anaerobic digestion of wastewaters and sludge", 2005, U.of Patras
20. Dokianakis Spyros, "Impact of Xenobiotic Compounds and dissolved oxygen on the nitrification process and optimization of nitrogen removal from municipal wastewaters", 2006 U.of Patras
21. Antonopoulou Georgia, "Development of an Integrated Process for the Production of Hydrogen and Biogas from a Sweet Sorghum Energy Crop", 2006, U.of Patras

22. Ntaikou Ioanna, “Production of Hydrogen from Synthetic Substrates and a Sweet Sorghum Energy Crop by a pure Culture of the fibrolytic bacterium *Ruminococcus albus*“, 2006 U.of Patras
23. Dravillas Constatinos, “Development of a two-stage system for the production of biogas from solid waste and biomass”, 2007, U.of Patras
24. Kalfas Haralambos, “Biogas production though the anaerobic digestion of pretreated and nonpretreated olive pulp”, 2007, U.of Patras
25. Georgiopoulou Martha, “ Development of Methods for the Selection of the Best Available Technology for Industrial Wastewater Treatment”, 2007, University of Patras
26. Vlahos Panagiotis, “Development of Alternative Processes for the Disinfection and Deodorisation of Natural Corks”, 2007, U.of Patras
27. Koutrouli Eleni, “Hydrogen production from olive pulp”, 2008, U. of Patras
28. Blika Paraskevi, “Biotechnological Methods for Olive-mill Wastewater Treatment”, 2009, U. of Patras
29. Pakou Constantina, «Fate of xenobiotics during sludge composting”, 2010, U. of Patras
30. Vlassis Theofilos, “Processes for energetic valorization of glycerol with production of biogas, biohydrogen and/or electricity using a microbial fuel cell”, 2011, U.of Patras
31. Venetsaneas Nikolaos, “Production of hydrogen and methane from cheese whey” , 2012, U. of Patras
32. Tremouli, Asimina, “Development of a Novel Microbial Fuel Cell Process for the energetic valorization of Liquid Wastes, 2013, U. of Patras
33. Galanopoulos Christos, “Optimization of natural wastewater treatment systems”, 2013, University of Patras
34. Dounavis Athanassios, “Biotechnological Production of Hydrogen and Methane from Crude Glycerol”, 2015, University of Patras
35. Michalopoulos Ioannis, Integrated valorization of organic solid wastes for the production of biogas in a pilot scale Periodic Anaerobic Baffled Reactor (PABR) and for the production of compost, 2017, National Technical University of Athens
36. Alexandropoulou Maria, “Production of gaseous biofuels from food industry wastes through biotechnological processes”, 2017, National Technical University of Athens
37. Lytras Georgios-Marios, “Two-phase biotechnological removal of hexavalent chromium”, 2018, National Technical University of Athens

Διατριβές Master:

1. Jain, R., "Mathematical Modelling and Assessment of Optimal Operational Strategies for a Nitrogen-Removing Wastewater Treatment Plant", (1988), U. Florida
2. Hamilton, J., "Pilot-Plant Study for a Predenitrification System at the Kanapha WasteWater Treatment Plant "(1988), U. Florida
3. Antoniou, P., "Determination of Biokinetic Coefficients for Nitrification in the Activated Sludge Process "(1988), U. Florida

4. Rodin, B., "Effect of Transient Operation on the Behavior of Escherichia Coli and Development of an Appropriate Time-Delay Model", (1989), U.Florida
5. Βλάχση Μ., "Απομάκρυνση Αζώτου από Αστικά Λύματα σε Αντιδραστήρα SBR", 2000, Πανεπιστήμιο Πατρών
6. Βάντζος Ε., «Επίδραση της Αλατότητας στη Διεργασία της Καθίζησης», 1999, Πανεπιστήμιο Πατρών
7. Ρωξάνης Θ., «Επεξεργασία αποβλήτων βιομηχανίας ανακύκλωσης ορυκτελαίων», 2001, Πανεπιστήμιο Κρήτης
8. Φρούντα Κ., «Βιολογική επεξεργασία αποβλήτων Βαφείου», 2001, Πανεπιστήμιο Κρήτης
9. Κωνσταντινίδου Γεωργία, «Ανάπτυξη διεργασιών απομάκρυνσης του φαινολικού φορτίου αποβλήτων ελαιουργείων με βάση τους μύκητες λευκή σήψης», 2006, Πανεπιστήμιο Κρήτης
10. Φλέσσα Γεωργία « Βιολογική απομάκρυνση του αζώτου από υγρά απόβλητα μέσω παράκαμψης της παραγωγής νιτρικών σε αντιδραστήρα SBR», 2003, Παν/μιο Πατρών
11. Κακογιάννη Αλεξάνδρα « Επίδραση του κλάσματος αερισμού στην βιολογική αδαίρεση αζώτου απ'πο αστικά λύματα σε σύστημα συστοιχίας αντιδραστήρων CSTR», 2003, Παν/μιο Πατρών
12. Παπάζογλου Χριστίνα, «Δυναμική συμπεριφορά αναερόβιων αντιδραστήρων τύπου CSTR για την παραγωγή βιοαερίου μέσω της διεργασίας της αναερόβιας χώνευσης», 2009, Παν/μιο Κρήτης
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18. Νεμτσόβ Δημήτριος, ΑΝΑΕΡΟΒΙΑ ΧΩΝΕΥΣΗ ΖΩΪΚΩΝ ΥΠΟΠΡΟΪΟΝΤΩΝ, ΕΑΠ 2012
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30. Ρόκκα Χ, «ΔΙΑΧΕΙΡΙΣΗ ΤΩΝ ΦΑΡΜΑΚΕΥΤΙΚΩΝ ΑΠΟΒΛΗΤΩΝ ΚΑΙ ΤΩΝ ΠΕΡΙΒΑΛΛΟΝΤΙΚΩΝ ΕΠΙΠΤΩΣΕΩΝ ΤΟΥΣ», ΕΑΠ, 2015
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33. ΑΡΓΥΡΗ ΕΛΕΝΗ, «ΟΛΟΚΛΗΡΩΜΕΝΟ ΣΧΕΔΙΟ ΔΙΑΧΕΙΡΙΣΗΣ ΚΕΝΩΝ ΣΥΣΚΕΥΑΣΙΩΝ ΤΩΝ ΠΡΟΪΟΝΤΩΝ ΦΥΤΟΠΡΟΣΤΑΣΙΑΣ ΣΤΟ ΝΟΜΟ ΒΟΙΩΤΙΑΣ», ΕΑΠ, 2017
34. Δημοπούλου Ιωάννα, 'Τεχνικές και Δυνατότητες Ανακύκλωσης Χαρτιού”

3. ΔΙΟΙΚΗΤΙΚΟ ΕΡΓΟ

Εθνικό Μετσόβιο Πολυτεχνείο

1. Μέλος της Συγκλητικής Επιτροπής Προπτυχιακών Σπουδών, 2014-σήμερα
2. Συντονιστής Επιτροπής Προγράμματος Σπουδών 2014-2016

Πανεπιστήμιο Πατρών

1. Αντιπρύτανης Πανεπιστημίου Πατρών, 1994-1997
2. Πρόεδρος Χημικών Μηχανικών, 1999-2003
3. Πρόεδρος Επιτροπής Πολιτιστικής Ανάπτυξης, 1995-1997, 2000-2003
4. Πρόεδρος Γραφείου Διαμεσολάβησης και Καινοτομιών, 1995-1997
5. Πρόεδρος Γραφείου Διεθνών Σχέσεων, 1995-1997
6. Αναπληρωματικό μέλος Επιτροπής Ερευνών
7. Πρόεδρος Θεατρικών Σπουδών (1996-1997)

University Florida

- *Department Service :*

1. Seminar Coordinator, Spring 1987, Spring 1988
2. Qualifying Examinations Committee
3. Computer Departmental Committee
4. Chairman Search Committee
5. Faculty Search Committee
6. Chairman of the proposal committee for 3 graduate students and member of the proposal committee for over 15 students
7. Graduate Student Admissions

- *College Service :*

Engineering Library Committee

- *University Service :*

1. Biotechnology "Task Force," Spring 1986-Spring 1987 Committee that formed the Interdisciplinary Center for Biotechnology Research
2. Biotechnology Seminar Committee
3. Patent Committee on Chemical Compounds, Compositions and Processes, 1987-1990

4. Διοργάνωση Συνεδρίων και Summer Schools

Διοργάνωση Διεθνών Συνεδρίων

1. Engineering for Waste Valorisation WasteEng08, Πάτρα 3-5 Ιουνίου 2008
2. Protection and Resoration of the Environment 9, Κεφαλονιά 29/6-3/7,2008
3. INTERNATIONAL SYMPOSIUM ON CONSTRUCTED WETLANDS & SMALL DECENTRALIZED WASTEWATER TREATMENT PLANTS, ISCW2019, 29th-31st August 2019, Patras, Greece
4. Wastewater Treatment Technologies and Environmental Impact, Olympia Village Hotel, July 2019

Διοργάνωση Ελληνικών Συνεδρίων

1. 4^ο Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής, Πάτρα, Ιούνιος 2003
2. 7^ο Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής, Πάτρα, Ιούνιος 2009