

ΣΥΝΤΟΜΟ ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Όνομα : **Ευθυμία**
Επώνυμο: **Παπαδοπούλου-Μουρκίδου**
Ημερομηνία και
Τόπος Γέννησης: 29 Μαΐου, 1948, Γεωργιανή Καβάλας
Ταχ. Διεύθυνση: Αριστοτέλειο Πανεπιστήμιο
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Σπουδές

1971 Πτυχίο Γεωπονίας του ΑΠΘ
1974 Πτυχίο Φαρμακευτικής του Τμήματος Φαρμακευτικής της Σχολής Υγείας του ΑΠΘ
1977 Master of Science στη Βιοχημεία και Φυσιολογία Φυτού, Purdue University, Indiana, ΗΠΑ
1982 Ph. D. στα Γεωργικά Φάρμακα, University of California, Riverside, ΗΠΑ

Εμπειρία και Απασχόληση

1996- καθηγήτρια Γεωργικών Φαρμάκων στο Τμήμα Γεωπονίας του ΑΠΘ
1992 αναπληρ. καθηγ. Γεωργικών Φαρμάκων στο Τμήμα Γεωπονίας του ΑΠΘ
1992- Διευθύντρια Εργαστηρίου Γεωργικών Φαρμάκων του ΑΠΘ
1988 επικ. Καθηγ. Γεωργικών Φαρμάκων στο Τμήμα γεωπονίας του ΑΠΘ
1985 εκλογή στη βαθμίδα λέκτορα στο αντικείμενο Γεωργικών Φαρμάκων στο Τμήμα Γεωπονίας του ΑΠΘ
1978 βοηθός έρευνας και υπότροφος του Πανεπιστημίου Καλιφορνίας, Riverside
1976-77 βοηθός έρευνας και διδασκαλίας στο Τμήμα Βιοχημείας του Πανεπιστημίου Purdue, Indiana
1972-80 οηθός Εγαστηρίου Γεωργικής Χημείας, ΑΠΘ

1. Ήταν και είναι επιστημονικά υπεύθυνη σε πολυάριθμα ερευνητικά και άλλα προγράμματα στο επιστημονικό πεδίο των γεωργικών φαρμάκων (τοξικολογία, οικοτοξικολογία, χημεία και συμπεριφορά στο περιβάλλον κ.ά.) Όπως αναφέρονται ενδεικτικά ορισμένα παρακάτω:
 - 1.1. Πρόγραμμα Περιβάλλοντος (Environment and Climate), ΕΕ proj. Cont. No. EV5V-CT92-0105 (1992-95): Development of an automated system for monitoring pesticides and their conversion products at trace levels in aquatic systems. Partner.
 - 1.2. Πρόγραμμα Περιβάλλοντος (Environment and Climate), ΕΕ proj. Cont. No. ENV4-CT97-0608 (1998-2000): On-line field sampling and monitoring in combination with automated determination of micropollutnats in industrial and communal waste water (OWWA). Partner.

- 1.3. Quality of Life, the Cell factory: Strategies to accelerate the productive biodegradation of several herbicides under environmental stress conditions, EE proj. Cont. QLRT-1999-00041 (2000-2002).Partner
 - 1.4. Πρόγραμμα Interreg I & II. Ρύπανση του ποταμού Αξιού και επιδράσεις από και προς τη γεωργία (1991-1999). Συντονίστρια.
 - 1.5. Πρόγραμμα: Pesticide residues in groundwater of major corn growing areas of Greece (1993-97). Χρηματοδοτούμενο από την εταιρεία Ciba-Geigy Ελβετίας. Συντονίστρια
 - 1.6. Πρόγραμμα: Followup study of pesticide monitoring in groundwater of corn growing areas of Macedonia-Thrace (1999-2003). Το πρόγραμμα χρηματοδοτείται από την εταιρεία Novartis σημερινή Syngenta, Ελβετίας. Συντονίστρια
 - 1.7. Πρόγραμμα Ελεγχου Ποιότητας Επιφανειακών υδάτων στη Μακεδονία και Θράκη (1999-2000), Υπουργείο Γεωργίας. Συντονίστρια
 - 1.8. Πρόγραμμα με τίτλο ``Έλεγχος χημικής ποιότητας αρδευτικών υδάτων (επιφανειακών και υπόγειων) σε κλίμακα λεκάνης απορροής ποταμώνΜακεδονίας-Θράκης και Θεσσαλίας(2009-σήμερα).
 - 1.9. Πρόγραμμα με τίτλο ``Έλεγχος χημικής Ποιότητας αρδευτικών υδάτων (επιφανειακών και υπόγειων) σε κλίμακα λεκάνων απορροής ποταμών Μακεδονίας-Θράκης και Θεσσαλίας (2010-σήμερα).
2. Συμμετοχή σε πολυάριθμα άλλα προγράμματα συνεργασίας στον ευρωπαϊκό χώρο όπως:
 - προγράμματα BCR (Measurement and Testing): Intercomparison study of the analysis of N- and P- pesticides in cereals (1994-95).
 - πρόγραμμα BCR: Intercomparison study of two CEN multiresidue methods for the enforcement of EU MRLs for pesticides in fruits, vegetables and grain (1996-1999).
 - πρόγραμμα Γαλλο-Ελληνικής συνεργασίας
 - πρόγραμμα Ελληνο-Γιουγκοσλαβικής συνεργασίας
 - προγράμματα COST: Actions 66 και 629 (1995-2005)
 - πρόγραμμα Concerted Action (1993-97): Accelerated degradation of pesticides in soils.
 3. Συμμετοχή στη διοργάνωση διεθνών συνεδρίων στην Ελλάδα και το εξωτερικό.
 4. Συμμετοχή στο δίκτυο ειδικών κριτών των επιστημονικών περιοδικών J. Agricultural and Food Chemistry & Assoc. Off. Anal. Chem. (AOAC)
 5. Μέλος της συντακτικής επιτροπής περιοδικού Αναλυτικής χημείας (SRN-on-line).
 5. Συμμετοχή στο προπτυχιακό και μεταπτυχιακό πρόγραμμα σπουδών του Τμήματος Γεωπονίας του ΑΠΘ.
 6. **Από το Νοέμβριο του 2000 μέχρι τον Ιανουάριο 2003 ήταν μέλος του Scientific Committee on Plants της ΕΕ (DG: SANGO) κατόπιν εκλογής με τριετή θητεία.**
 7. Από το 1993 είναι μέλος του Ανωτάτου Συμβουλίου Φαρμάκων (ΑΣΥΓΕΦ) του Υπουργείου Γεωργίας.
 8. **Από τον Μάιο του 2003-2006 ήταν εκλεγμένο μέλος του PPR (Scientific Panel on Plant Protection Products and Residues) του νεοιδρυθέντος τότε φορέα Ασφάλειας Τροφίμων της Ευρωπαϊκής Ένωσης (EFSA, European Food safety Authority).**

ΔΗΜΟΣΙΕΥΜΕΝΟ ΕΡΕΥΝΗΤΙΚΟ ΕΡΓΟ

Κατάλογος Δημοσιεύσεων

1. Gunther, F.A., Iwata, Y., **Papadopoulou, E.**, Berck, B., and Smith, C.A.: Rapid field method for estimating organophosphorus insecticides on crop foliage. **Bull. Environm. Contam. Toxicol. 24:** 903-909 (1980).
2. **Papadopoulou-Mourkidou, E.**, Iwata, Y., and Gunther, F. A.: Utilization of an infrared detector for selective liquid chromatographic analysis. Formulation analysis of the pyrethroid insecticides resmethrin, permethrin, and fenvalerate. **J. Agric. Food Chem. 28:** 1043-1059 (1980).
3. **Papadopoulou-Mourkidou, E.**, Iwata, Y., and Gunther, F. A.: Utilization of an infrared detector for selective liquid chromatographic analysis. 2. Formulation analysis of the pyrethroid insecticides allethrin, decamethrin, cypermethrin, phenothrin, and tetramethrin. **J. Agric. Food Chem., 29:** 1105-1111 (1981).
4. **Papadopoulou-Mourkidou, E.**, Iwata, Y., and Gunther, F. A.: Analysis of the carbamate insecticides aldicarb and carbaryl in formulations utilizing a high performance liquid chromatographic system with on-line infrared detector. **J. Liquid Chromatogr., 4:** 1663-1676 (1981).
5. **Papadopoulou-Mourkidou, E.**: Liquid chromatography with an on-line infrared detector for pyrethroid analysis. Dissertation, University of California, Riverside (1982). **Diss. Absts. Int.B (43)5:** 1362-3 (1982).
6. **Papadopoulou-Mourkidou, E.**: Analysis of established pyrethroid insecticides. **Residue Reviews 89:** 179-208 (1983).
7. **Papadopoulou-Mourkidou, E.** and Iwata, Y.: Behaviour of different groups of pesticides during liquid-solid chromatography on silica gel with ternary mobile phases. **Chromatographia 17:** 695-700 (1983).
8. **Papadopoulou-Mourkidou, E.**, Iwata, Y., and Gunther, F. A.: Application of a high performance liquid chromatographic system with an on-line infrared detector to residue analysis of permethrin. **J. Agric. Food Chem., 31:** 629-633 (1983).
9. **Papadopoulou-Mourkidou, E.**, Iwata, Y., and Gunther, F. A.: Behaviour of pyrethroid insecticides under liquid-solid chromatographic conditions. **J. Agric. Food Chem. 32:** 800-805 (1984).
10. **Papadopoulou-Mourkidou, E.**: Direct analysis of fenvalerate isomers by liquid chromatography. Application to formulation and residue analysis of fenvalerate. **Chromatographia 20:** 376-378 (1985).

11. **Papadopoulou-Mourkidou**, E., Mourkides, G. A., Katsanos, A. A., and Kakanis, P. K.: Elemental analysis of water and sediments by external beam PIXE. Part 3. Axios (Vardar) River, Greece, **Chemistry in Ecology 2**: 335-350 (1986).
12. Katsanos, A. A., Panayiotakis, N., Tzoumezi, M., **Papadopoulou-Mourkidou**, E., and Mourkides, G. A.: Elemental analysis of water and sediments by external beam PIXE. Part 2. Industrial zone of Ptolemais, Greece. **Chemistry and Ecology 3**: 75-100 (1987).
13. **Papadopoulou-Mourkidou**, E.: Effect of column temperature on the direct determination of (RS)- α -cyano(3-phenoxyphenyl)methyl (RS)-2-(4-chlorophenyl)-3-methylbutyrate optical isomers by high-performance liquid chromatography/diode array system. **Anal. Chem. 61**: 1149-1151 (1989).
14. **Papadopoulou-Mourkidou**, E.: Temperature-dependent solute retention time variations, base-line drifts, and solute peak splits during the analysis of fenvalerate by a high-performance liquid chromatography/diode array system. **Anal. Chem., 61** 1152-1158 (1989).
15. **Papadopoulou-Mourkidou**, E., Kotopoulou, A., and Stylianidis, D.: Field dissipation of the pyrethroid insecticide/acaricide biphenthrin on the foliage of peach trees, in the peel and pulp of peaches, and in tomatoes. **Ann. Appl. Biol. 115**: 405-416 (1989).
16. Mourkides, G. A., **Papadopoulou-Mourkidou**, E., Katsanos, A. A., and Kakanis, P. K.: Elemental analysis of water and sediments by external beam PIXE. Part 4. Aliakmon River, Greece. **Chemistry and Ecology, 4**: 65-83 (1990).
17. **Papadopoulou-Mourkidou**, E. and Milothridou, A.: Residue and persistence of endosulfan in dry tobacco leaves and cigarettes. **Bull. Environm. Contam. Toxicol. 44**: 394-400 (1990).
18. **Papadopoulou-Mourkidou**, E.: Postharvest-applied agrochemicals and their residues in fresh fruits and vegetables. **J. Assoc. Off. Anal. Chem 74**:745-765 (1991).
19. **Papadopoulou-Mourkidou**, E. and Tomazou, T: Persistence and activity of permethrin in stored wheat and its residues in wheat milling fractions. **J. Stored Prod. Res., 27**:249-254 (1991).
20. Theophilidis, G., Pappa, A., and **Papadopoulou-Mourkidou**, E: The neurophysiological effects of deltamethrin and fluvalinate on an insect mechanoreceptor, the metathoracic femoral chordotonal organ of *Locusta migratoria*. **Pesticide Biochemistry and Physiology, 45**:198-209 (1993).

21. **Papadopoulou-Mourkidou**, E., Kotopoulou, A., Papadopoulos, G., and Chatziphanis, Ch. Dissipation of cyproconazole and quinalphos in/on grapes. **Pesticide Science** **45**:111-116 (1995).
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23. **Papadopoulou-Mourkidou**, E. and Patsias, J.: Development of a semi-automated HPLC-DAD system for screening pesticides at trace levels in aquatic systems of the Axios River basin. **J. Chromatography A**, **726**:99-113 (1996)
24. Patsias, J. and **Papadopoulou-Mourkidou**, E.: A rapid method for the analysis of a variety of chemical classes of pesticides in surface and ground waters by off-line solid-phase extraction and gas chromatography-ion trap-mass spectrometry. **J. Chromatography A**, **740**: 83-98 (1996).
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27. Μουρκίδης, Γ., Φαχαντίδης, Π., Μυλωθρίδου, Α., και Παπαδοπούλου-Μουρκίδου, Ε.: Οι λίμνες της Βορείου Ελλάδος. ΙΧ Βεγορίτιδα. Η τροφική κατάστασή της, η χρήση γης και τα φορτία αζώτου και φωσφόρου της λεκάνης απορροής της. Επιστ. Επετ. Δασολογικού Τμήματος, ΑΠΘ. Τόμος Καϊλίδη (ΛΕ), **473-488** (1996).
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28. Μουρκίδης, Γ., Φαχαντίδης, Π., Μυλωθρίδου, Α. και Παπαδοπούλου-Μουρκίδου, Ε.: Το επιφανειακό ίζημα της λίμνης Καστοριάς. Κλασμάτωση, προσρόφηση και έκλυση φωσφορικών. Γεωτεχνικά Επιστημονικά Θέματα, **7(2)**: 27-36 (1996).
[Mourkides G., Fachandides P., Mylothridou A., and **Papadopoulou-Mourkidou** E.:The surface sediment of the Lake Kastoria. Fractionation, adsorption/desorption of phosphates. **Geotechnical Scientific Subjects**, **7(2)**:27-36 (1996)]
29. **Papadopoulou-Mourkidou**, E., Patsias, J. and Kotopoulou, A.: Development of a multiresidue method for the analysis of a variety of chemical classes of

pesticides in soils by gas chromatography-ion trap-mass spectrometry. **JAOAC International**, **80**:447-454(1997).

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31. Papadopoulos, A. I., Stankou, E. I., Kostaropoulos, I., and **Papadopoulou-Mourkidou**, E.: Effect of organophosphate and pyrethroid insecticides on the GST's from *Tenebrio Molitor* larvae. **Pesticide Biochemistry and Physiology**, **63**:26-33, 1999.

32. Charizopoulos, E. and **Papadopoulou-Mourkidou**, E. Occurrence of pesticides in rain of the Axios River Basin, Greece. **Environmental Science & Technology**, **33**: 2363-2368 (1999).

33. Patsias, J. and **Papadopoulou-Mourkidou**, E. A fully automated system for Analysis of Pesticides in Water: on-line extraction followed by liquid Chromatography-tandem Photodiode Array/Postcolumn Derivatization/Fluorescence Detection. **J. AOAC International** **82**:968-981 (1999).

34. Papastergiou A. and **Papadopoulou-Mourkidou**, E. Occurrence and spatial and temporal distribution of pesticide residues in groundwater of major corn growing areas of Greece (1996-97). **Environmental Science & Technology** **35**:63-69 (2001).

35. Patsias, J and **Papadopoulou-Mourkidou** E. Development of an automated on-line solid-phase extraction-high performance liquid chromatography method for the analysis of aniline, phenol, caffeine and various selected substituted aniline and phenol compounds in aqueous matrices. **J. Chromatography A** **904**:171-188 (2000).

36. Papadopoulos, A. I., Boukouvala, E., Kakalouris, G., Kostaropoulos, I and **Papadopoulou-Mourkidou**, E. Effect of organophosphate and pyrethroid insecticides on the expression of GSTs from *Tenebrio molitor* pupae. **Pesticide Biochemistry and Physiology**, **68**:26-33 (2000).

37. Kostaropoulos, I., Papadopoulos, A. I., Metaxakis, A., Boukouvala, E., and **Papadopoulou-Mourkidou**, E. Glutathione S-transferase in the defence against pyrethroids in insects. **Insect Biochemistry and Molecular Biology** **31**:313-319 (2001).

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environmental water by on-line anion exchange solid phase extraction followed by cation exchange liquid chromatography and post column derivatization. **J. Chromatography A, 932**:83-90 (2001).

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41. Vryzas Z. and **Papadopoulou-Mourkidou** E. Microwave-assisted extraction (MAE)-acid hydrolysis of dithiocarbamates for trace analysis in Tobacco and peaches. **J. Agric. Food Chem., 50**:5026-5033, (2002).

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43. Patsias, J., Papadakis, E. N. and **Papadopoulou-Mourkidou**, E. Analysis of phenoxyalkanoic acid herbicides and their phenolic conversion products in soil by microwave assisted solvent extraction and subsequent analysis of extracts by on-line solid-phase extraction-liquid chromatography. **J. Chromatogr. A. 959**:153-161 (2002).

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45. E Papadopoulou-Mourkidou; D G Karpouzias; J Patsias; A Kotopoulou; A Milothridou; K Kintzikoglou; P Vlachou

The potential of pesticides to contaminate the groundwater resources of the Axios river basin in Macedonia, Northern Greece. Part I. Monitoring study in the north part of the basin.

The Science of the total environment 321(1-3):127-46 (2004)

46. E Papadopoulou-Mourkidou; D G Karpouzias; J Patsias; A Kotopoulou; A Milothridou; K Kintzikoglou; P Vlachou

The potential of pesticides to contaminate the groundwater resources of the Axios river basin. Part II. Monitoring study in the south part of the basin.

The Science of the total environment 321(1-3):147-64 (2004).

47. Dimitrios Georgios Karpouzias; Polydoros Hatziapostolou; Euphemia Papadopoulou-Mourkidou; Ioannis O Giannakou; Athena Georgiadou

The enhanced biodegradation of fenamiphos in soils from previously treated

- sites and the effect of soil fumigants.**
Environmental toxicology and chemistry / SETAC 23(9):2099-107 (2004).
48. Stefanos P Hatzilazarou; Emmanouel T Charizopoulos; Euphemia Papadopoulou-Mourkidou; Athanasios S Economou
Dissipation of three organochlorine and four pyrethroid pesticides sprayed in a greenhouse environment during hydroponic cultivation of gerbera.
Pest management science 60(12):1197-204 (2004).
49. Emmanouil N Papadakis; Zisis Vryzas; Euphemia Papadopoulou-Mourkidou
Rapid method for the determination of 16 organochlorine pesticides in sesame seeds by microwave-assisted extraction and analysis of extracts by gas chromatography-mass spectrometry.
Journal of chromatography. A 1127(1-2):6-11 (2006).
50. Zisis Vryzas; Ageliki Tsaboula; Euphemia Papadopoulou-Mourkidou
Determination of alachlor, metolachlor, and their acidic metabolites in soils by microwave-assisted extraction (MAE) combined with solid phase extraction (SPE) coupled with GC-MS and HPLC-UV analysis.
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51. Emmanouil N Papadakis; Despina Lazarou; Raphael Grougnet; Prokopios Magiatis; Alexios L Skaltsounis; Euphemia Papadopoulou-Mourkidou; Athanasios I Papadopoulos
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52. Z Vryzas; G Vassiliou; C Alexoudis; E Papadopoulou-Mourkidou
Spatial and temporal distribution of pesticide residues in surface waters in northeastern Greece.
Water research 43(1):1-10 (2009).
53. Silvina Niell; Lucia Pareja; Gabriel Gonzalez; Joaquin Gonzalez; Zisis Vryzas; M Veronica Cesio; Euphemia Papadopoulou-Mourkidou; Horacio Heinzen
Simple determination of 40 organophosphate pesticides in raw wool using microwave-assisted extraction and GC-FPD analysis.
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54. S S Andreadis; Z Vryzas; E Papadopoulou-Mourkidou; M Savopoulou-Soultani
Cold tolerance of field-collected and laboratory reared larvae of Sesamia nonagrioides (Lepidoptera: Noctuidae).
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55. Z Vryzas; C Alexoudis; G Vassiliou; K Galanis; E Papadopoulou-Mourkidou
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56. Charalampos K Myresiotis; Emmanouil N Papadakis; Zisis G Vryzas; Euphemia Papadopoulou-Mourkidou
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57. Zisis Vryzas; Emmanuel Nikolaos Papadakis; E Papadopoulou-Mourkidou
Leaching of Br-, metolachlor, alachlor, atrazine, deethylatrazine and deisopropylatrazine in clayey vadoze zone: a field scale experiment in north-east Greece.
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58. Charalampos K Myresiotis; Zisis Vryzas; Euphemia Papadopoulou-Mourkidou
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59. Charalampos K Myresiotis; George S Karaoglanidis; Zisis Vryzas; Euphemia Papadopoulou-Mourkidou
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60. Vryzas Z., Papadakis E.N., Vassiliou G., **Papadopoulou-Mourkidou E.** Occurrence of pesticides in transboundary aquifers of North-eastern Greece. Science of the Total Environment: 441, 41-48 (2012).
61. Vryzas Z., Papadakis E.N., Oriakli K., Moysiadis T.P., **Papadopoulou-Mourkidou E.** 2012. Biotransformation of atrazine and metolachlor within soil profile and changes in microbial communities. Chemosphere 89: 1330-1338 (2012).
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