

# ANASTASIA P. MIHOU

## CURRICULUM VITAE

Name : Anastasia P. Mihou  
Date of Birth : October 11<sup>th</sup>, 1972  
Place of Birth : Athens  
Occupation : Laboratory Teaching Staff  
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## EDUCATION

2001 Ph.D. in Organic Chemistry, Agricultural University of Athens  
Prof. E. A. Couladouros (Grade: Excellent)  
1994 B.Sc. in Chemistry, University of Patras (Grade: 7.76)

## APPOINTMENTS

**6/2014 -** Laboratory Teaching Staff, Chemistry Laboratory,  
Department of Food Science and Human Nutrition,  
Agricultural University of Athens  
**4/2002-6/2014** Administrative Staff, Chemistry Laboratory, Agricultural  
University of Athens. Main Duties:  
➤ Assistant Laboratory Teaching (Inorganic, Organic  
and Analytical Chemistry)  
➤ Participation in financial management and  
administrative support of eleven research programs  
**5/1995-8/1996:** **ALCHIMICA** Building Chemicals  
• Head of the Quality Control Department  
• Head of the Quality Management System of the  
company (ISO 9002)

## **TUTORIAL EXPERIENCE**

Teaching , supervision and grading of laboratory exercises course:

- 2002 -** Inorganic Chemistry, AUA  
Organic Chemistry, AUA
- 2010 -** Analytical Chemistry, AUA
- 10/2014 -** Instrumental Chemical Analysis, AUA

## **PUBLICATIONS - CONFERENCES**

Nine (9) published articles in ICI Web of Science listed journals

One (1) patent.

Twelve (12) participations in scientific conferences.

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## SCIENTIFIC WORK

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### Ph.D. Thesis

1. A. P. Mihou. Polyurea-polyurethane controlled release systems with application in Agriculture, **2001**, Agricultural University of Athens.

### Scientific Articles

2. Michaelakis, A. P. Mihou. Oviposition aggregation pheromone for *Culex* mosquitoes: Bioactivity and synthetic approaches (Review). *Hellenic Plant Protection Journal* **2010**, 3(2) pp 33-56.
3. Michaelakis, A. P. Mihou, G. Koliopoulos and E. A. Couladouros. Influence of the microencapsulated pheromone from aged infusion as an oviposition medium of the West Nile virus vector *Culex pipiens*. *Parasitology Research* **2009**, 104(5), 1005-1009. (I. F. 2.852, Cit. 4)
4. Michaelakis, A. P. Mihou, G. Koliopoulos and E. A. Couladouros. Attract-and-Kill Strategy. Laboratory Studies on Hatched Larvae of *Culex pipiens*. *Pest Manag. Sci.* **2007**, 63 (10), 954-959. (I. F. 2.594, Cit. 9)
5. P. Mihou, A. Michaelakis, F. D. Krokos, B. E. Mazomenos, and E. A. Couladouros. Prolonged Slow Release of (Z)-11-Hexadecenyl Acetate, the Sex Pheromone of Several *Noctuidae* Species, Employing Polyurea Microcapsules. *J. Appl. Entomol.*, **2007**, 131(2), 128-133. (I. F. 1.56, Cit. 5)
6. Michaelakis, A. P. Mihou, E. A. Couladouros, A. K. Zounos and G. Koliopoulos. Oviposition Responses of *Culex pipiens* to a Synthetic Racemic *Culex quinquefasciatus* Oviposition Aggregation Pheromone. *J. Agric. Food Chem.* **2005**, 53, 5225-5229. (I. F. 2.906, Cit. 11)
7. E. A. Couladouros, A. P. Mihou, E. A. Bouzas. First Total Synthesis of *trans*- and *cis*-Resorcylic acid: Remarkable Hydrogen-Bond-Controlled, Stereospecific Ring Closing Metathesis. *Org. Lett.*, **2004**, 6, 977-980. (I. F. 6.142, Cit. 30)

8. D. Tsiourvas, A. P. Mihou, E. A. Couladouros, C. M. Paleos. Liquid Crystals Resulting from Combined Ionic and Hydrogen Bonding Interactions of Nucleobase Derivatives. *Mol. Cryst. Liq. Cryst.*, **2001**, vol. 362, 177-184. (I. F. 0.53, Cit. 1)
9. E. A. Couladouros, A. P. Mihou. A General Synthetic Route Towards  $\gamma$ - and  $\delta$ -Lactones. Total Asymmetric Synthesis of (-)-Muricatacin and the Mosquito Oviposition Pheromone (5*R*,6*S*)-6-Acetoxy-hexadecanolide. *Tetrahedron Lett.*, **1999**, 40, 4861-4862. (I. F. 2.376, Cit. 35)

### Conferences

1. Evaluation of the synthetic racemic oviposition pheromone of *Culex quinquefasciatus* and the use of its microencapsulated form in the “attract and kill” strategy  
A. Michaelakis, E. A. Couladouros, A. P. Mihou and G. Koliopoulos. 15th European Society for Vector Ecology (SOVE) Meeting. Serres, Greece, 10–14 April **2006**.
2. Slow Release of *Culex quinquefasciatus* Oviposition Aggregation Pheromone Employing Polyurea Microcapsules  
Michaelakis, A.; Mihou, A. P.; Koliopoulos, G.; Couladouros, E. A.  
11th Pan-Hellenic Symposium on Entomology, Karditsa, 11-14 October **2005**.
3. Studies on the Encapsulation and the Slow Release of Pheromones by Employing Oil-containing Polyurea Microcapsules  
Michaelakis, A.; Mihou, A. P.; Koliopoulos, G.; Krokos, F.; Mazomenos, B.; Couladouros, E. A.  
1st Pan-Hellenic Symposium on Biotechnology and Food Technology, Athens, April **2005**.
4. General Methodology for the Synthesis of Resorcylic Macrolides using Ring Closing Metathesis. Application to the Syntheses of *trans*-Resorcylic, *cis*-Resorcylic and Radicicol  
E. A. Bouzas, A. P. Mihou, E. A. Couladouros  
1st Hellenic Symposium of Organic Synthesis from chemistry to biology, to medicine and material science, National Kapodistrian University of Athens, 4-6 November, **2004**

5. The development of an alternative control method for *Culex pipiens* (Diptera: *Culicidae*).  
A. Zounos, A. Michaelakis, A. P. Mihou, G. Koliopoulos, and E. A. Couladouros. 10th Pan-Hellenic Symposium on Entomology, Heraklio Crete, 4–7 November **2003**.
6. Synthetic approaches towards Radicicol  
E. Bouzas, A. Mihou, E. A. Couladouros, 8th Postgraduate Conference in Chemistry, University of Crete, Anogia, June **2002**.
7. Synthetic approaches towards Radicicol  
E. Bouzas, A. Mihou, E. A. Couladouros, Ischia Advanced School of Organic Chemistry - IASOC 2002, Ischia Italy, September **2002**.
8. Application of the carbonylative Stille cross-coupling reaction in the attempt of synthesis of Radicicol  
E. Bouzas, A. Mihou, E. A. Couladouros, 19<sup>th</sup> Pan-Chemistry Conference: Hellenic Conference on Chemistry: The Many Faces of Chemistry and its Applications, University of Crete, Heraklion, November, **2002**.
9. Natural products–Total synthesis, designed derivatives, biological studies. Biodiversity and the effects on health and nutrition  
E. A. Couladouros, E. Pitsinos, M. Sagnou, I. Soufli, Z. Plyta, A. Mihou, G. Saracinos, V. Moutsos, A. Strogilos, V. Vidali, A. Magos, E. Bouzas, A. Michaelakis, Kifissia. The Goulandris Natural History Museum, December 12, **2001**.
10. Methodologies for the Synthesis of  $\gamma$ - and  $\delta$ -Lactones – Microencapsulation and Slow Release  
Mihou, A. P.; Couladouros, E. A. *5th Postgraduate Conference in Chemistry*, University of Crete, Kolimpari, **1999**.
11. A New, General and Convenient Method for the Asymmetric Synthesis of Substituted  $\gamma$ - and  $\delta$ - Lactones  
Mihou, A. P.; Couladouros, E. A. 1st International Conference of the Chemical Societies of the South-East European Countries, Halkidiki, Greece, **1998**.
12. Methodologies for the Synthesis of  $\gamma$ - and  $\delta$ - Lactones with Biological Interest  
Mihou, A. P.; Couladouros, E. A. *8th Hellenic Symposium on Medicinal Chemistry*, Athens, **1997**.

## **Patents**

1. Prolonged slow release of volatile organic molecules employing polyurea microcapsules. Couladouros, E.; Mihou, A.; Michaelakis, A.; Koliopoulos, G. Greek Patent, 20050100488, **2005**.