

# ***Dr. VICTORIA MAGRIOTI***

## **PERSONAL**

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Date of Birth: **23/8/1974**  
Place of Birth: **Athens, Greece**  
Nationality: **Greek**  
Telephone: **+30 210 7274497**  
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## **STUDIES/PROFESSIONAL EXPERIENCE**

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**May 2015 –** **Faculty, Assistant Professor in Organic /Medicinal Chemistry**  
Laboratory of Organic Chemistry, Department of Chemistry, University of Athens, Athens, Greece

**Jan 2011 – May 2015** **Faculty, Lecturer in Organic /Medicinal Chemistry**  
Laboratory of Organic Chemistry, Department of Chemistry, University of Athens, Athens, Greece

**Jul 2006 – Dec 2010** **Research in Organic Chemistry**  
Laboratory of Organic Chemistry, Department of Chemistry, University of Athens, Athens, Greece (Prof. George Kokotos)

**Jan 2006 – Jul 2006** **Post-Doc in Medicinal Chemistry**  
Center for Drug Discovery, Northeastern University, Boston, USA (Prof. Alexandros Makriyannis)

**2003-2005** **Post-Doc in Organic Chemistry**  
Laboratory of Organic Chemistry, Department of Chemistry, University of Athens, Athens, Greece (Prof. George Kokotos)

**1999-2003** **Ph.D. in Chemistry**  
Department of Chemistry, Agricultural University of Athens, Athens, Greece (Supervisor: Prof. Violetta Constantinou)  
3 months in CNRS Marseille under the supervision of Director Dr. Robert Verger for training and applications on biological testing of new synthetic inhibitors of human lipases.  
*Title of the doctorate dissertation: “Synthesis of Non Natural Amino Acids and 2-Amino-Alcohols. Synthesis of Sterically Hindered Triglyceride Analogues and Study of their Inhibitory Effect on Human Pancreatic and Gastric Lipase”*

**1998** **Bachelor’s degree in Chemistry**  
Department of Chemistry, National and Kapodistrian University of Athens, Athens, Greece

## **AWARDS/DISTINCTIONS/SCHOLARSHIPS**

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- 2011** Greek Representative in the 2011 Young Investigator Workshop of EuCheMs (8-9 July 2011 - Invited)
- 2000-2003** PhD Scholarship funded by the Greek National Scholarship Foundation.

## **FOREIGN LANGUAGES**

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- English: Excellent (Proficiency of Cambridge)
- French: Very Good (DELF I)

## **RESEARCH INTERESTS**

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Drug design and development

Design, synthesis and study of new inhibitors of enzymes such as phospholipases, lipases, enzymes of the endocannabinoid system etc.

Use of N-heterocyclic carbenes (NHCs) as organocatalysts

Synthesis of novel compounds with pharmacological interest

Synthesis and study of novel bioactive compounds with anti-inflammatory and analgesic activity

Enzymatic organic synthesis

## **TEACHING**

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- Academic years 2015-** Lectures to postgraduate students on Medicinal Chemistry, NMR Spectroscopy, HPLC techniques, use of scientific databases.
- Teaching of Organic Chemistry and Medicinal Chemistry to Chemistry students.
- Academic years 2010-2015** Lectures to postgraduate students on Medicinal Chemistry, NMR Spectroscopy, HPLC techniques, use of scientific databases.
- Teaching of Organic Chemistry to Biology students and Medicinal Chemistry to Chemistry students.
- Academic years 2003-2010** Lectures to postgraduate students on NMR Spectroscopy, HPLC techniques, use of scientific databases.

## **SUPERVISION/LAB MANAGEMENT**

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- Academic years 2011-** Teaching and supervision of graduate and undergraduate students in the Laboratory of

Organic Chemistry, University of Athens, Athens, Greece. Supervision of graduate and PhD students during their thesis.

**Academic years 2003-2011**

Teaching and supervision of graduate and undergraduate students in the Laboratory of Organic Chemistry, University of Athens, Athens, Greece. Supervision of graduate and PhD students during their thesis in the group of Prof. G. Kokotos.

**Academic years 1999-2002**

Teaching and supervision of students in the Laboratory of Inorganic and Organic Chemistry, Department of Chemistry, Agricultural University of Athens, Athens, Greece.

**SUPERVISION OF UNDERGRADUATE AND POSTGRADUATE STUDENTS**

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**A. POSTGRADUATE STUDENTS**

1. Evanthia Papadaki (PhD candidate / Dec 2015 – today)
2. Christina Dedaki (PhD candidate / Aug 2014 – today)
3. Alexandros Pagonis (M.Sc. candidate / Oct 2016 – today)
4. Sofia Kavvalou (M.Sc. candidate / Oct 2014 – Oct 2016)
5. Evanthia Papadaki (M.Sc. candidate / Oct 2013 – Oct 2015)
6. Konstantina Dimitrakopoulou (M.Sc. candidate / Oct 2013 – Oct 2015)
7. Christina Dedaki (M.Sc. candidate / Oct 2012 – Jul 2014)
8. Matina Giannakopoulou (M.Sc. candidate / Nov 2011 – Dec 2013)

**B. UNDERGRADUATE STUDENTS**

1. Babis Flavouraris (Diploma Thesis / Feb 2012 - Sep 2012)
2. Giannis Malamos (Diploma Thesis / Feb 2012 - Sep 2012)
3. Konstantina Dimitrakopoulou (Diploma Thesis / Sep 2012 - Feb 2013)
4. Panagiotis Bonanos (Diploma Thesis / Sep 2012 - Feb 2013)
5. Alexandra Filinta (Diploma Thesis / Feb 2013 - Jul 2013)
6. Dimitris Kontomarkos (Diploma Thesis / Feb 2013 - Jul 2013)
7. Vanessa Papadaki (Diploma Thesis / May 2013 - Sep 2013)
8. Marina Kotsifi (Diploma Thesis / Sep 2013 - Jan 2014)
9. Alexandros Pagonis (Diploma Thesis / Sep 2013 - Jan 2014)
10. Eleni Anastasiadi (Diploma Thesis / Jan 2014 - Jan 2015)
11. Panagiota Koroli (Diploma Thesis / Jan 2014 - Jan 2015)
12. Aikaterini Pagoni (Diploma Thesis / Jan 2015 - Jul 2015)
13. Dimitris Zonidis (Diploma Thesis / Jan 2015 - Jul 2015)

14. Alexandros Dritsopoulos (Diploma Thesis / May 2015 - Jul 2016)
15. Dimitris Kanakis (Diploma Thesis / May 2015 - Jul 2016)
16. Dimitrios Doumazos (Diploma Thesis / May 2016 - Oct 2016)
17. Panagoula Kalkounou (Diploma Thesis / May 2016 - Oct 2016)
18. Alexandra Kallitsi (Diploma Thesis / Feb 2017 - today)
19. Panagiotis Bandouvakis (Diploma Thesis / Feb 2017 - today)
20. Vassiliki Mavrikaki (Diploma Thesis / Feb 2017 - today)

## SCIENTIFIC PUBLICATIONS – ORAL PRESENTATIONS

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### A. PUBLICATIONS IN SCIENTIFIC JOURNALS

1. Karikas, A.; Constantinou-Kokotou, V.; Magrioti, V.; Kokotos, G. Study of DNA interactions with melphalan, busulphan, and analogues using an HPLC method. *J. Liq. Chrom. & Rel. Technol.* **2000**, *23*, 1859-1864.
2. Constantinou-Kokotou, V.; Magrioti, V.; Markidis, T.; Kokotos, G. Synthesis of enantiopure non-natural  $\alpha$ -amino acids using tert-butyl (2*S*)-2-[bis-(tert-butoxycarbonyl)amino]5-oxopentanoate as key-intermediate: The first synthesis of (S)-2-amino-oleic acid. *J. Peptide Res.* **2001**, *58*, 325-331.
3. Magrioti, V.; Antonopoulou, G.; Pantoleon, E.; Kokotos, G. Synthesis of 2-amino alcohols and unnatural amino acids from serine. *Arkivoc* **2002**, *2002*, 55-61.
4. Magrioti, V.; Constantinou-Kokotou, V. Synthesis of (S)- $\alpha$ -amino oleic acid. *Lipids* **2002**, *37*, 223-228.
5. Constantinou-Kokotou, V.; Magrioti, V. Synthesis and use of *N,N*-di-Boc-glutamate  $\gamma$ -semialdehydes and related aldehydes. *Amino Acids* **2003**, *24*, 231-243.
6. Magrioti, V.; Hadjipavlou-Litina, D.; Constantinou-Kokotou, V. Synthesis and in vivo anti-inflammatory activity of long-chain 2-amino-alcohols. *Bioorg. Med. Chem. Lett.* **2003**, *13*, 375-377.
7. Constantinou-Kokotou, V.; Magrioti, V.; Verger, R. Sterically Hindered Triacylglycerol Analogues as Potent Inhibitors of Human Digestive Lipases. *Chem. Eur. J.* **2004**, *10*, 1133-1140.
8. Magrioti, V.; Verger, R.; Constantinou-Kokotou, V. Triacylglycerols Based on 2-(*N*-tert-Butoxycarbonylamino)oleic Acid Are Potent Inhibitors of Pancreatic Lipase. *J. Med. Chem.* **2004**, *47*, 288-291.
9. Magrioti, V.; Kokotos, G. Synthetic inhibitors of group IVA and group VIA phospholipase A<sub>2</sub>. *Antiinflamm. Antiallergy Agents Med. Chem.* **2006**, *5*, 189-203.
10. Six, D. A.; Barbayianni, E.; Loukas, V.; Constantinou-Kokotou, V.; Hadjipavlou-Litina, D.; Stephens, D.; Wong, A. C.; Magrioti, V.; Moutevelis-Minakakis, P.; Baker, S. F.; Dennis, E. A.; Kokotos, G. Structure-activity relationship of 2-oxoamide inhibition of group IVA cytosolic phospholipase A<sub>2</sub> and group V secreted phospholipase A<sub>2</sub>. *J. Med. Chem.* **2007**, *50*, 4222-4235.
11. Antonopoulou, G.; Barbayianni, E.; Magrioti, V.; Cotton, N.; Stephens, D.; Constantinou-Kokotou, V.; Dennis, E. A.; Kokotos, G. Structure-activity

- relationships of natural and non-natural amino acid-based amide and 2-oxoamide inhibitors of human phospholipase A<sub>2</sub> enzymes. *Bioorg. Med. Chem.* **2008**, *16*, 10257-10269.
12. Antonopoulou, G.; Magrioti, V.; Stephens, D.; Constantinou-Kokotou, V.; Dennis, E. A.; Kokotos, G. Synthesis of 2-oxoamides based on sulfonamide analogs of gamma-amino acids and their activity on phospholipase A<sub>2</sub>. *J. Peptide Sci.* **2008**, *14*, 1111-1120.
  13. Baskakis, C.; Magrioti, V.; Cotton, N.; Stephens, D.; Constantinou-Kokotou, V.; Dennis, E. A.; Kokotos, G. Synthesis of polyfluoro ketones for selective inhibition of human phospholipase A<sub>2</sub> enzymes. *J. Med. Chem.* **2008**, *51*, 8027-8037.
  14. Magrioti, V.; Naxakis, G.; Hadjipavlou-Litina, D.; Makriyannis, A.; Kokotos, G. A novel monoacylglycerol lipase inhibitor with analgesic and anti-inflammatory activity. *Bioorg. Med. Chem. Lett.* **2008**, *18*, 5424-5427.
  15. Barbayianni, E.; Stephens, D.; Grkovich, A.; Magrioti, V.; Hsu, Y. H.; Dolatzas, P.; Kalogiannidis, D.; Dennis, E. A.; Kokotos, G. 2-Oxoamide inhibitors of phospholipase A<sub>2</sub> activity and cellular arachidonate release based on dipeptides and pseudodipeptides. *Bioorg. Med. Chem.* **2009**, *17*, 4833-4843.
  16. Kalyvas, A.; Baskakis, C.; Magrioti, V.; Constantinou-Kokotou, V.; Stephens, D.; López-Vales, R.; Lu, J.-Q.; Yong, V. W.; Dennis, E. A.; Kokotos, G.; David, S. Differing roles for members of the phospholipase A<sub>2</sub> superfamily in experimental autoimmune encephalomyelitis. *Brain* **2009**, *132*, 1221-1235.
  17. Kokotos, G.; Hsu, Y.-H.; Burke, J. E.; Baskakis, C.; Kokotos, C. G.; Magrioti, V.; Dennis, E. A. Potent and Selective Fluoroketone Inhibitors of Group VIA Calcium-Independent Phospholipase A<sub>2</sub>. *J. Med. Chem.* **2010**, *53*, 3602-3610.
  18. Magrioti, V.; Fotakopoulou, I.; Athinaios, N.; Anastasopoulou, P.; Constantinou-Kokotou, V.; Kokotos, G. Resolution of *N*-Protected amino alcohols by porcine pancreatic lipase. *Lett. Org. Chem.* **2010**, *7*, 159-162.
  19. Magrioti, V.; Kokotos, G. Phospholipase A<sub>2</sub> inhibitors as potential therapeutic agents for the treatment of inflammatory diseases. *Expert Opin. Ther. Patents* **2010**, *20*, 1-18.
  20. Dennis, E. A.; Cao, J.; Hsu, Y.-H.; Magrioti, V.; Kokotos, G. Phospholipase A<sub>2</sub> enzymes: Physical structure, biological function, disease implication, chemical inhibition, and therapeutic intervention. *Chem. Rev.* **2011**, *111*, 6130-6185.
  21. Mouchlis, V. D.; Magrioti, V.; Barbayianni, E.; Cermak, N.; Oslund, R. C.; Mavromoustakos, T. M.; Gelb, M. H.; Kokotos, G. Inhibition of secreted phospholipases A<sub>2</sub> by 2-oxoamides based on  $\alpha$ -amino acids: Synthesis, in vitro evaluation and molecular docking calculations. *Bioorg. Med. Chem.* **2011**, *19*, 735-743.
  22. Ali, T.; Kokotos, G.; Magrioti, V.; Bone, R. N.; Mobley, J. A.; Hancock, W.; Ramanadham, S. Characterization of FKGG18 as Inhibitor of Group VIA Ca<sup>2+</sup>-Independent Phospholipase A<sub>2</sub>: Candidate Drug for Preventing Beta-Cell Apoptosis and Diabetes. *PLoS ONE* **2013**, *8*, e71748.
  23. Barbayianni, E.; Magrioti, V.; Moutevelis-Minakakis, P.; Kokotos, G. Autotaxin inhibitors: A patent review. *Expert Opin. Ther. Patents* **2013**, *23*, 1123-1132.

24. Magrioti, V.; Kokotos, G. Phospholipase A<sub>2</sub> inhibitors for the treatment of inflammatory diseases: A patent review (2010-present). *Expert Opin. Ther. Patents* **2013**, *23*, 333-344.
25. Magrioti, V.; Nikolaou, A.; Smyrniotou, A.; Shah, I.; Constantinou-Kokotou, V.; Dennis, E. A.; Kokotos, G. New potent and selective polyfluoroalkyl ketone inhibitors of GVIA calcium-independent phospholipase A<sub>2</sub>. *Bioorg. Med. Chem.* **2013**, *21*, 5823-5829.
26. Gil-De-Gómez, L.; Astudillo, A. M.; Guijas, C.; Magrioti, V.; Kokotos, G.; Balboa, M. A.; Balsinde, J. Cytosolic group IVA and calcium-independent group VIA phospholipase A<sub>2</sub>s act on distinct phospholipid pools in zymosan-stimulated mouse peritoneal macrophages. *J. Immunol.* **2014**, *192*, 752-762.
27. Kokotos, G.; Feuerherm, A. J.; Barbayianni, E.; Shah, I.; Saether, M.; Magrioti, V.; Nguyen, T.; Constantinou-Kokotou, V.; Dennis, E. A.; Johansen, B. Inhibition of group IVA cytosolic phospholipase A<sub>2</sub> by thiazolyl ketones in vitro, ex vivo, and in vivo. *J. Med. Chem.* **2014**, *57*, 7523-7535.
28. Bone, R. N.; Gai, Y.; Magrioti, V.; Kokotou, M. G.; Ali, T.; Lei, X.; Tse, H. M.; Kokotos, G.; Ramanadham, S. Inhibition of Ca<sup>2+</sup>-independent phospholipase A<sub>2</sub>β (iPLA<sub>2</sub>β) ameliorates islet infiltration and incidence of diabetes in NOD mice. *Diabetes* **2015**, *64*, 541-554.
29. Antonopoulou, G.; Magrioti, V.; Kokotou, M. G.; Nikolaou, A.; Barbayianni, E.; Mouchlis, V. D.; Dennis, E. A.; Kokotos, G. 2-Oxoamide inhibitors of cytosolic group IVA phospholipase A<sub>2</sub> with reduced lipophilicity. *Bioorg. Med. Chem.* **2016**, *24*, 4544-4554.
30. Vasilakaki, S.; Barbayianni, E.; Magrioti, V.; Pastukhov, O.; Constantinou-Kokotou, V.; Huwiler, A.; Kokotos, G. Inhibitors of secreted phospholipase A<sub>2</sub> suppress the release of PGE<sub>2</sub> in renal mesangial cells. *Bioorg. Med. Chem.* **2016**, *24*, 3029-3034.
31. Nikolaou, A.; Kokotos, G.; Magrioti, V. Efficient microwave-assisted synthesis of hydroxymethyl ketones using NHC organocatalysts. *Tetrahedron* **2016**, *72*, 7628-7632.
32. Kokotou, M. G.; Galiatsatou, G.; Magrioti, V.; Koutoulogenis, G.; Barbayianni, E.; Limnios, D.; Mouchlis, V. D.; Satpathy, B.; Navratil, A.; Dennis, E. A.; Kokotos, G. 2-Oxoesters: A novel class of potent and selective inhibitors of cytosolic group IVA phospholipase A<sub>2</sub>. *Sci. Rep.* **2017**, *7*, 7025.

## B. ORAL PRESENTATIONS

1. “Synthesis of bioactive derivatives of 2-amino oleic acid”, V. Magrioti, V. Constantinou-Kokotou, 3<sup>rd</sup> Hellenic Forum on Bioactive Peptides, 11-14 April 2002, Patras.
2. “Sterically hindered triacylglycerols: Potent inhibitors of human pancreatic lipase”, V. Magrioti, R. Verger, V. Constantinou-Kokotou, 1<sup>st</sup> Hellenic Symposium Organic Synthesis, 4-6 November 2004, Athens.
3. “A novel selective monoacylglycerol lipase (MGL) inhibitor presents analgesic and anti-inflammatory activity”, V. Magrioti, G. Naxakis, D. Hadjipavlou-Litina, Y. Pei, A. Makriyannis, G. Kokotos, 13<sup>th</sup> Hellenic Medicinal Chemistry Symposium, 14-15 March 2008, Athens.

4. “*Selective inhibition of human intracellular and extracellular phospholipases A<sub>2</sub> by synthetic 2-oxoamides and perfluoroketones*”, V. Magrioti, G. Antonopoulou, C. Baskakis, C. Kokotos, E. Barbayianni, N. Cotton, D. Stephens, V. Constantinou-Kokotou, E. A. Dennis, G. Kokotos, 6<sup>th</sup> Euro Fed Lipid Congress, 7-10 September 2008, Athens.
5. “*Polyfluoroketones: A fascinating tool in the quest for iPLA<sub>2</sub> selective inhibitors*” V. Magrioti, C. Baskakis, C. G. Kokotos, Y.-H. Hsu, J. E. Burke, E. A. Dennis, G. Kokotos, 3<sup>rd</sup> Hellenic Symposium Organic Synthesis, 15-17 October 2009, Athens.
6. *Invited Lecture: “Lipolytic enzyme inhibitors”* V. Magrioti, 3<sup>rd</sup> Young Investigator’s Workshop, Organic Division of EuChemS, 8-9 July 2011, Crete.
7. *Invited Lecture: “Lipolytic enzyme inhibitors”* V. Magrioti, Department of Chemistry, National and Kapodistrian University of Athens, 2 May 2012, Athens.
8. “*Mass Spectrometry Studies on the Fragmentation of Fluoroketone PLA<sub>2</sub> Inhibitors and Applications of their Determination in Serum by LC/MS/MS*” V. Magrioti, Symposium on Mass Spectrometry and Health, National and Kapodistrian University of Athens, 18-19 November 2014, Athens.
9. “*Mass Spectrometry Applications on the Determination of Lipidemic Markers and Lipids*” V. Magrioti, 6<sup>th</sup> Hellenic Conference on Medicinal Biochemistry, 7-9 May 2015, Athens.
10. *Invited Lecture: “Design, Synthesis and Study of Lipolytic Enzyme Inhibitors”* V. Magrioti, Department of Chemistry, Aristotle University of Thessaloniki, 12 May 2017, Athens.

### C. PATENTS

1. “*Phospholipase A<sub>2</sub> inhibitors and their use in treating neurological injury and disease*”, E. A. Dennis, D. Stephens, S. David, R. Lopez-Vales, A. Kalyvas, G. Kokotos, V. Constantinou-Kokotou, E. Barbayianni, V. Magrioti, WO 2009009449 A2, 2009-01-15.
2. “*Anti inflammatory 2-oxothiazoles and 2-oxooxazoles*”, G. Kokotos, B. Johansen, V. Magrioti, M. Tsakos, WO 2011/039365 A1, 2010-10-01; US20170166539.

### D. CHAPTERS IN SCIENTIFIC BOOKS

1. “*Synthesis of enantiopure non-natural  $\alpha$ -amino acids using tert-butyl (S)-2-[di-(tert-butyloxycarbonyl)amino]-5-oxo-pentanoate as key intermediate*”, V. Magrioti, T. Markidis, V. Constantinou-Kokotou, G. Kokotos, 2<sup>nd</sup> Hellenic Forum on Bioactive Peptides, P. Cordopatis (Ed.), Typorama, **2001**, 259-263.
2. “*Synthesis of (S)-2-amino oleic acid and other bioactive molecules through glutamate semialdehydes*”, V. Constantinou-Kokotou, V. Magrioti, T. Markidis, G. Kokotos, *Drug Discovery and Design: Medical Aspects*, J. Matsoukas and T. Mavromoustakos (Eds.), IOS Press, **2002**, 76-82.
3. “*Synthesis and in vivo antiinflammatory activity of long chain 2-amino-alcohols*”, V. Constantinou-Kokotou, V. Magrioti, D. Hadjipavlou-Litina, *Peptides 2002*, E. Benedetti and C. Pedone (Eds.), Editioni Ziino, **2002**, 74-75.

4. “*Synthesis of bioactive derivatives of 2-amino oleic acid*”, V. Magrioti, V. Constantinou-Kokotou, 3<sup>rd</sup> Hellenic Forum on Bioactive Peptides, P. Cordopatis, E. Manessi-Zoupa, G.N. Pairas [Eds.], Typorama, **2003**, 177-186.
5. “*Lipase mediated desymmetrization of serinol*”, A. Chiou, V. Magrioti, I. Fotakopoulou, A. Peristeraki, G. Kokotos, 3<sup>rd</sup> Hellenic Forum on Bioactive Peptides, P. Cordopatis, E. Manessi-Zoupa, G.N. Pairas [Eds.], Typorama, **2003**, 321-325.
6. “*Synthesis of unnatural amino acids from serine*”, V. Magrioti, G. Antonopoulou, E. Pantoleon, G. Kokotos, 4<sup>th</sup> Hellenic Forum on Bioactive Peptides, P. Cordopatis, E. Manessi-Zoupa, G.N. Pairas [Eds.], Typorama, **2003**, 235-239.
7. “*Resolution of Boc-protected 2-amino alcohols by porcine pancreatic lipase*”, V. Magrioti, I. Fotakopoulou, V. Constantinou-Kokotou, 4<sup>th</sup> Hellenic Forum on Bioactive Peptides, P. Cordopatis, E. Manessi-Zoupa, G.N. Pairas [Eds.], Typorama, **2003**, 253-257.
8. “*Triacylglycerols based on 2-(N-tert-butoxycarbonylamino)-oleic acid are potent inhibitors of pancreatic lipase*”, V. Constantinou-Kokotou, V. Magrioti, A. Peristeraki, R. Verger, *Peptides 2004*, M. Flegel, M. Fridkin, C. Gilon, and J. Slaninova (Eds.), Kenes International, **2004**, 651-652.
9. “*Synthesis of unnatural amino acids from serine*”, V. Magrioti, G. Antonopoulou, E. Pantoleon, G. Kokotos, *J. Peptide Sci.*, **2004**, *Supp. 10*, H45.
10. “*Resolution of Boc-protected 2-amino alcohols by porcine pancreatic lipase*”, V. Magrioti, I. Fotakopoulou, V. Constantinou-Kokotou, *J. Peptide Sci.*, **2004**, *Supp. 10*, H46.
11. “*Triacylglycerols based on 2-(N-tert-butoxycarbonylamino)-oleic acid are potent inhibitors of pancreatic lipase*”, V. Constantinou-Kokotou, V. Magrioti, A. Peristeraki, R. Verger, *J. Peptide Sci.*, **2004**, *Supp. 10*, 211.
12. “*Synthesis of 2-amino-oleyl amides and their activity on the enzymes involved in the endocannabinoid system*”, V. Magrioti, P. Moutevelis-Minakakis, Y. Pei, A. Makriyannis, G. Kokotos, *Amino Acids*, **2005**, 29, 68-69.
13. “*Synthesis of new 2-pyrrolidinone antihypertensives starting from natural amino acids*”, P. Moutevelis-Minakakis, K. Georgikopoulou, V. Magrioti, T. Mavromoustakos, G. Kokotos, *Amino Acids*, **2005**, 29, 69.
14. “*Synthesis of non-natural amino acids and their applications for the development of medicinally interesting compounds*”, V. Magrioti, P. Moutevelis-Minakakis, G. Kokotos, *Cordopatis*, **2011**, *in press*.

## E. POSTER PRESENTATIONS AT INTERNATIONAL CONFERENCES

1. “*Study of DNA-busulphan analogues crosslinks by an HPLC reversed phase method*”, G. Karikas, V. Magrioti, C. Terzakou, V. Constantinou-Kokotou, G. Kokotos, *Chemical Sciences and Industry, 1<sup>st</sup> International Conference of the Chemical Societies of the South-East European Countries*, 1-4 June 1998, Halkidiki, Greece, Abstracts Vol. 1, PO 209.
2. “*Synthesis of (S)- $\alpha$ -amino oleic acid*”, V. Magrioti, V. Constantinou-Kokotou, *NIAF-MeRinOS*, 28 September 2001 – 2 October 2001, Huffalise, Belgium, Abstracts, MO-06.



3. "Synthesis of unnatural amino acids from serine", V. Magrioti, G. Antonopoulou, E. Pantoleon, G. Kokotos, *J. Peptide Sci.*, 2004, *Supp. 10*, H45.
4. "Resolution of Boc-protected 2-amino alcohols by porcine pancreatic lipase", V. Magrioti, I. Fotakopoulou, V. Constantinou-Kokotou, *J. Peptide Sci.*, 2004, *Supp. 10*, H46.
5. "Triacylglycerols based on 2-(N-tert-butoxycarbonylamino)-oleic acid are potent inhibitors of pancreatic lipase", V. Constantinou-Kokotou, V. Magrioti, A. Peristeraki, R. Verger, *J. Peptide Sci.*, 2004, *Supp. 10*, 211.
6. "Synthesis of 2-amino-oleyl amides and their activity on the enzymes involved in the endocannabinoid system", V. Magrioti, P. Moutevelis-Minakakis, Y. Pei, A. Makriyannis, G. Kokotos, *Amino Acids*, 2005, 29, 68-69.
7. "Synthesis of new pyrrolidinone antihypertensives starting from natural amino acids", P. Moutevelis-Minakakis, P. Georgikopoulou, V. Magrioti, T. Mavromoustakos, G. Kokotos, *Amino Acids*, 2005, 29, 69.
8. "Inhibition of group IVA and group VIA phospholipase A<sub>2</sub> and antihyperalgesic activity of 2-oxoamide esters", G. Kokotos, E. Barbayianni, V. Magrioti, D. Stephens, V. Constantinou-Kokotou, T. L. Yaksh, E. A. Dennis, *International Symposium on Chemistry, Biology & Medicine*, 28 May 2006 – 1 June 2006, Cyprus, Abstracts, P47.
9. "Design and synthesis of 2-oxoamide phospholipase A<sub>2</sub> inhibitors for the treatment of hyperalgesia", G. Kokotos, G. Antonopoulou, C. G. Kokotos, K. Baskakis, E. Barbayianni, V. Magrioti, D. Stephens, D. Hadjipavlou-Litina, V. Constantinou-Kokotou, T. L. Yaksh, E. A. Dennis, 3<sup>rd</sup> International Conference in Phospholipases A<sub>2</sub> and Lipid Mediators, 9 – 12 May 2007, Sorrento (Naples), Italy, Abstracts, 186.
10. "Selective inhibition of secreted phospholipase A<sub>2</sub> by 2-oxoamides based on  $\alpha$ - or  $\beta$ -amino acid esters", G. Kokotos, E. Barbayianni, V. Magrioti, D. Stephens, V. Constantinou-Kokotou, E. A. Dennis, 10<sup>th</sup> International Conference on Bioactive Lipids in Cancer, Inflammation, and Related Diseases, 16-19 September 2007, Montreal, Canada, Abstracts, 10.
11. "Synthesis of optically active 2-aryl-4-oxo-aldoximes via an organocatalytic Michael reaction", V. Magrioti, E. Barbayianni, V. Ragoussis, G. Kokotos, *International Symposium on Catalysis and Fine Chemicals 2007*, 16-21 December 2007, Singapore, Abstracts, A348.
12. "Synthesis of chiral long chain 1,2-diamines and study of their effect on the enzymes involved in the endocannabinoid system", V. Magrioti, G. Naxakis, D. Hadjipavlou-Litina, A. Makriyannis, G. Kokotos, 9<sup>th</sup> Tetrahedron Symposium, 22-25 July 2008, Berkeley, CA, USA, Abstracts, P2.61.
13. "Synthesis of new fluoroketone phospholipase A<sub>2</sub> inhibitors as novel agents for the treatment of multiple sclerosis", C. Baskakis, V. Magrioti, C. G. Kokotos, A. Kalyvas, D. Stephens, V. Constantinou-Kokotou, S. David, E. A. Dennis, G. Kokotos, 9<sup>th</sup> Tetrahedron Symposium, 22-25 July 2008, Berkeley, CA, USA, Abstracts, P1.61.
14. "1,1,1-Trifluoro-6-(naphthalen-2-yl)hexan-2-one: A new potent inhibitor of Ca<sup>2+</sup>-independent phospholipase A<sub>2</sub>" V. Magrioti, C. Baskakis, Y.-H. Hsu, J. E. Burke, V. Constantinou-Kokotou, E. A. Dennis, G. Kokotos, BIT's 1<sup>st</sup> Annual International Conference of MediChem 2010, 18-20 May 2010, Beijing, China.

15. "Potent and selective inhibition of human  $\text{Ca}^{2+}$ -independent phospholipase by fluoroketones" A. Smyrniotou, A. Nicolaou, V. Magrioti, M. Creason, I. Shah, V. Constantinou-Kokotou, E. A. Dennis, G. Kokotos, 17<sup>th</sup> European Symposium on Organic Chemistry, 10-15 July 2011, Crete, Greece.
16. "Efficient microwave-assisted synthesis of hydroxymethyl ketones using NHC organocatalysts" A. Nicolaou, V. Magrioti, G. Kokotos, COST ORCA Meeting, 1-3 November 2012, Athens, Greece.
17. "Inhibitors of secreted phospholipase  $\text{A}_2$  inhibit the release of  $\text{PGE}_2$  in rat mesangial cells" E. Barbayianni, V. Magrioti, S. Vasilakaki, O. Pastukhov, A. Huwiler, G. Kokotos, 5<sup>th</sup> International Conference on Phospholipase  $\text{A}_2$ -Mediated Signaling in Translational Medicine, 20-21 May 2013, New Orleans, LA, USA.
18. "Potent and selective polyfluoroketone  $\text{iPLA}_2$  inhibitors" V. Magrioti, A. Nicolaou, A. Smyrniotou, I. Shah, V. Constantinou-Kokotou, E. A. Dennis, G. Kokotos, 5<sup>th</sup> International Conference on Phospholipase  $\text{A}_2$ -Mediated Signaling in Translational Medicine, 20-21 May 2013, New Orleans, LA, USA.
19. "A novel tripeptide that suppresses  $\text{PGE}_2$  formation in rat mesangial cells." S. Vasilakaki, E. Barbayianni, V. Magrioti, O. Pastukhov, T. M. Mavromoustakos, A. Huwiler, G. Kokotos, 10<sup>th</sup> Australian Peptide Conference, 8-13 September 2013, Penang, Malaysia.
20. "Inhibition of a  $\text{Ca}^{2+}$ -independent Phospholipase  $\text{A}_2$  Attenuates Type 1 Diabetes Development in the Non-obese Diabetic Mouse." R. N. Bone, Y. Gai, G. Kokotos, V. Magrioti, H. M. Tse, S. Ramanadham, UAB 9<sup>th</sup> Annual Pathology Trainee Research Day. Birmingham, AL. October 18, 2013.
21. "Inhibition of  $\text{Ca}^{2+}$ -independent Phospholipase  $\text{A}_2$  by a Novel Fluoroketone Compound Ameliorates  $\text{iPLA}_2\beta$ -Induced Beta-cell Detriments and Type 1 Diabetes Development." R. N. Bone, Y. Gai, T. Ali, G. Kokotos, V. Magrioti, H. M. Tse, S. Ramanadham, 48<sup>th</sup> Annual Southeastern Regional Lipid Conference. Cashiers, NC. November 13-15, 2013.
22. Mass Spectrometry Study of Fluoroketone Phospholipase  $\text{A}_2$  Inhibitors." M. G. Kokotou, V. Magrioti, G. Kokotos, 2<sup>nd</sup> International BAU-Drug Design Symposium. Istanbul, Turkey, April 17-19, 2014.
23. "2-Oxoamides with Reduced Lipophilicity as  $\text{cPLA}_2$  Inhibitors." V. Magrioti, G. Antonopoulou, I. Shah, E. A. Dennis, G. Kokotos, 6<sup>th</sup> International Conference on Phospholipase  $\text{A}_2$  and Lipid Mediators. Tokyo, Japan, February 10-12, 2015.
24. "Synthesis of Hydroxamates Based on 4-Aminophenylacetic Acid and their Activity Against Autotaxin." A. Nikolaou, E. Kaffe, M. Kokotou, V. Magrioti, V. Aidinis, G. Kokotos, IX Joint Meeting on Medicinal Chemistry, Aegli Zappiou, Athens, June 7-10, 2015.
25. "Synthesis and In Vitro Study of 2-Oxoamides Based on Dipeptides Containing a Sulfur Atom at the  $\beta$ -Position." A. Psarra, D. Limnios, M. G. Kokotou, V. Magrioti, E. Barbayianni, V. Mouchlis, E. A. Dennis, G. Kokotos, IX Joint Meeting on Medicinal Chemistry, Aegli Zappiou, Athens, June 7-10, 2015.
26. "Novel  $\beta$ -Lactones as Inhibitors of Human  $\text{Ca}^{2+}$ -Independent Phospholipase  $\text{A}_2$ ." C. Dedaki, V. Magrioti, M. G. Kokotou, D. Limnios, V. Mouchlis, E. A. Dennis, G. Kokotos, IX Joint Meeting on Medicinal Chemistry, Aegli Zappiou, Athens, June 7-10, 2015.

27. "2-Oxoesters as Novel Inhibitors of Human Cytosolic Phospholipase A<sub>2</sub>." M. G. Kokotou, V. Magrioti, E. Barbayianni, D. Limnios, V. Mouchlis, E. A. Dennis, G. Kokotos, IX Joint Meeting on Medicinal Chemistry, Aegli Zappiou, Athens, June 7-10, 2015.
28. "Novel Hydroxamates Based on Glutamic Acid and their Activity Against Autotaxin." A. Nikolaou, E. Kaffe, M. G. Kokotou, V. Magrioti, V. Aidinis, G. Kokotos, Challenges in Chemical Biology, ISACS 16, Zurich, Switzerland, June 15-18, 2015.

## **ADMINISTRATIVE WORK**

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<b>Academic years 2011- today</b>	Elected member of the General Assembly of the Department of Chemistry of the National and Kapodistrian University of Athens.
<b>Academic years 2012- today</b>	Appointed Academic Advisor of the Department of Chemistry of the National and Kapodistrian University of Athens for Students with Disabilities.
<b>Academic year 2012- 2013</b>	Appointed Member of the Committee of the Department of Chemistry of the National and Kapodistrian University of Athens for Transcription Students.

## **CONFERENCE ORGANIZATION**

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- ❖ Member of the Organizing Committee of the International Meeting "3<sup>rd</sup> ORCA Summit", COST Action: Organocatalysis CM0905, 1-3 November 2012, Athens, Greece.
- ❖ Member of the Organizing Committee of the International Conference "32<sup>nd</sup> European Peptide Symposium", 2-7 September 2012, Athens, Greece.
- ❖ Member of the Organizing Committee of the Regional Conference "3<sup>rd</sup> Hellenic Symposium on Organic Synthesis: From Chemistry to Biology, Medicine and Materials Science", 15-17 October 2009, Athens, Greece.
- ❖ Member of the Organizing Committee of the Regional Conference "13<sup>th</sup> Hellenic Forum on Medicinal Chemistry", 14-15 March 2008, Athens, Greece.
- ❖ Member of the Organizing Committee of the Regional Conference "2<sup>nd</sup> Hellenic Symposium on Organic Synthesis: From Chemistry to Biology, Medicine and Materials Science", 19-21 April 2007, Athens, Greece.
- ❖ Member of the Organizing Committee of the Regional Conference "1<sup>st</sup> Hellenic Symposium on Organic Synthesis: From Chemistry to Biology, Medicine and Materials Science", 4-6 November 2004, Athens, Greece.
- ❖ Organization staff for the International Conference: "Lipases and Lipids: Structure, Function and Biotechnological Applications", 6-8 May 1999, Santorini, Greece.

## **MEMBER / REVIEWER**

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Member of:

- Association of Greek Chemists
- Association of Greek Medicinal Chemists
- European Chemical Sciences (EuCheMS)
- European Peptide Society
- European Federation for the Science and Technology of Lipids (EuroFed Lipid)

Reviewer at the peer-reviewed journals:

- Biochimie
- European Journal of Lipid Science and Technology
- European Journal of Medicinal Chemistry
- International Journal of Biological Macromolecules
- Journal of Organic Chemistry
- Molecules
- PLOS One