
CURRICULUM VITAE

Personal Information

Name	Alexandros L. Zografos
Date of Birth	29 September 1973
Place of Birth	Athens, Greece
Professional Address	Department of Organic Chemistry; Faculty of Chemistry; Panepistimioupoli, 54124, Thessaloniki, Greece
Telephone/e-mail	office: +302310997870/alzograf@chem.auth.gr;

Professional Appointments

2008-Today	Lecturer Aristotle University of Thessaloniki
2007-2008	Senior Researcher, Demokritos Institute, Athens, Greece Dr. D. Vourloumis
2006-2007	Senior Researcher, Columbia University, New York, USA Prof. S. A. Snyder
2005-2006	Temporary Lecturer; National Technical University of Athens, Athens, Greece.

Education

Postdoctoral Studies (2005-2006)	National and Capodistrian University of Athens, Athens, Greece supervisor: Prof. A. Yiotakis, Prof. D. Georgiadis.
Postdoctoral Studies (2003-2004)	The Scripps Research Institute, La Jolla, California, USA supervisor: Prof. P. S. Baran.
PhD (1996-2000)	National Technical University of Athens, Department of Chemistry, Laboratory of Organic Chemistry, Athens, Greece supervisor: Prof. O. Igglessi-Markopoulou.
B. Sc (1991-1996)	National and Capodistrian University of Athens, Department of Chemistry, Athens, Greece.

Awards-Funding

2007-2008	Marie-Curie Funding Program "ExploRNA"
2005-2006	Grants from Committee of Greek Research; EPEAEK Program "Pythagoras"
2003-2004	The Scripps Research Institute, Eli Lilly & Co
1997-2000	Predocotrual Fellowship, Technical University of Athens

Working Experience

2005-today	Advisory board of the Association of Greek chemists
2002	Chemist at the Centre of Research and Technology of National Defense, Athens, Greece.
2001-2002	Lieutenant of Hellenic Army.

Teaching Experience

2008-Today	Lecturer, Aristotle University of Thessaloniki
2006-2007	Presentations of Advanced Organic Synthesis, Chemistry Department, Columbia University
2004-2005	Temporary Lecturer, Department of Chemical Engineering, National Technical University of Athens.
2004-2005	Assistant supervisor of PhD Theses, Department of Chemistry National and Capodistrian University of Athens.
2003-2004	Presentations of Advanced Organic Synthesis, The Scripps Research Institute.
1997-2000	Lectures of Laboratory Techniques in Organic Chemistry, Department of Chemical Engineering, National Technical University of Athens.

Scientific Patents

1. Synthesis of Sceptrin and Ageliferin, P. Baran, D. O'Malley, A. Zografos, US patent (2004 filled)
 2. Synthesis of resveratrol-based natural products, S. Snyder, A. Zografos, Y. Lin, US patent (2007 filled)
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Invited Lectures

1. Aristotle University of Thessaloniki, Thessaloniki, Greece, March 2007.
 2. Columbia University; New York, NY USA, September 2006.
 3. Broad Institute of Harvard and MIT; Massachusetts, MA, USA, October 2006.
 4. National Technical University of Athens; Athens, Greece, April 2005.
 5. University of Patras; Patra, Greece, February, 2005.
 6. The Scripps Research Institute; San Diego, CA, USA, May 2003.
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Scientific Publications

1. S. Snyder, A. Zografos, Y. Lin “Total synthesis of resveratrol-based natural products: a chemoselective solution” *Angew. Chem. Int. Ed.* **2007**, 46, 8186.
2. D. O’Malley, Ke Li, M. Maue, A. Zografos, P. Baran “Total Synthesis of pyrrole-imidazole alkaloids” *J. Am. Chem. Soc.* **2007**, 129, 4762.
3. A. Zografos, D. Georgiadis, “Synthetic strategies towards tetronic acid natural products” *Synthesis*, **2006**, accepted (invited review).
4. P. Northrop, D. O’Malley, A. Zografos, P. Baran, K. Houk, “The mechanism of vinyl cyclobutane rearrangement of scep trin to ageliferin and nagelamide E” *Angew. Chem. Int. Ed.* **2006**, accepted.
5. A. Zografos A. Yiotakis, D. Georgiadis, “Rapid access to the tricyclic core of abyssomicins” *Org. Lett.*, **2005**, 7, 4515.
6. L. Zikou, G. Athanasellis, A. Detsi, A. Zografos, C. Mitsos; O. Igglessi-Markopoulou, “A novel short-step synthesis of functionalized 4-hydroxy-2-quinolones using a 1-hydroxybenzotriazole methodology” *Bull. Chem. Soc Jpn*, **2004**, 77, 1505.
7. P. Baran, D. O’Malley, A. Zografos, “Scep trin as a biosynthetic precursor to complex pyrrole-imidazole alkaloids: The total synthesis of ageliferin” *Angew. Chem. Int. Ed.*, **2004**, 43, 2674.
8. P. Baran, A. Zografos, D. O’Malley, “Short total synthesis of scep trin” *J. Am. Chem. Soc.*, **2004**, 126, 3726.
9. C. Mitsos, A. Zografos, O. Igglessi-Markopoulou, “An efficient route for the synthesis of 3-aryl quinolin-2-ones with pharmaceutical interest” *J. Org. Chem.*, **2003**, 68, 4567.
10. C. Mitsos, A. Zografos, O. Igglessi-Markopoulou, “Synthesis of tetronic acid derivatives from novel active esters of α -hydroxyacids” *J. Heterocyclic Chem.* **2002**, 39, 1201.
11. A. Zografos, C. Mitsos, O. Igglessi-Markopoulou, “Chemoselective cyclization of aminonicotinic acid derivatives to 1,8-naphthyridin-2-ones via a potential intramolecular azadiene-ketene electrocyclization reaction” *J. Org. Chem.*, **2001**, 66, 4413.
12. A. Zografos, PhD Thesis “Study on the synthesis of β -dicarbonyl heterocyclic derivatives”, National Technical University of Athens, **2000**.
13. C. Mitsos, A. Zografos, O. Igglessi-Markopoulou, “Reactions of N-hydroxysuccinimide esters of anthranilic acids with anions of β -keto esters. A new route to 4-oxo-3-quinolinecarboxylic acid derivatives” *Chem. Pharm. Bull.*, **2000**, 48, 211.
14. C. Mitsos, A. Zografos, O. Igglessi-Markopoulou, “Regioselective ring opening of malic acid anhydrides by carbon nucleophiles. Application in the synthesis of chiral tetronic acids” *J. Org. Chem.*, **2000**, 65, 5852.
15. C. Mitsos, A. Zografos, O. Igglessi-Markopoulou, “Synthesis of 3-substituted 4-hydroxyquinolin-2-ones via C-acylation reactions of active methylene compounds with functionalized 3,1-benzoxazin-4-ones” *Heterocycles*, **1999**, 51, 1543.

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16. A. Zografos, C. Mitsos, O. Igglessi-Markopoulou, "One-step synthesis for the preparation of quinoline alkaloid analogues" *Org. Lett.*, **1999**, 1, 1953.
 17. A. Zografos, C. Mitsos, O. Igglessi-Markopoulou, "A tandem C-acylation-cyclization reaction sequence for the synthesis of new N-acyl-3-substituted 1,8-naphthyridine-2,4-diones" *Heterocycles*, **1999**, 51, 1609.
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Publications in Conferences

1. A. Zografos, O. Igglessi-Markopoulou, 'Synthesis and structural studies of α -substituted 1,8-naphthyridine-2,4-diones with nuclear magnetic resonance spectroscopy', Book of abstracts "Symposium of Research and Technology" Institute of Physical Chemistry, Athens, Demokritos, 3-5 December 1997, p. 102.
2. A. Zografos, C. Mitsos, O. Igglessi-Markopoulou, Book of abstracts "1st International Conference of Chemical Societies of Southeastern Countries" Greece Halkidiki June 1998, PO042.
3. C. Mitsos, A. Zografos, O. Igglessi-Markopoulou, Book of abstracts "1st International Conference of Chemical Societies of Southeastern Countries" Greece Halkidiki June 1998, PO043.
4. C. Mitsos, A. Zografos, O. Igglessi-Markopoulou, 'C-acylation reaction of β -ketoesters with active esters of anthranic acid. A new synthetic route of 4-oxo-quinolin-carboxylic acid', Book of abstracts "Conference on Chemistry Greece-Cyprus Chemistry and Quality Systems in Production and Control" Rodos island, 2-5 September 1999, p. 422.
5. A. Zografos, C. Mitsos, O. Igglessi-Markopoulou, 'Synthetic studies of 3-alkyl-4-hydroxy-1,8-naphthyridin-2-ones. A novel method for preparing them.', Book of abstracts "Conference on Chemistry Greece-Cyprus Chemistry and Quality Systems in Production and Control" Rodos island, 2-5 September 1999, p. 612.
6. A. Zografos, C. Mitsos, O. Igglessi-Markopoulou, 'One step synthesis for the preparation of quinoline alkaloid analogues', Book of abstracts "2nd International Conference of Chemical Societies of Southeastern Countries" Greece Halkidiki 6-9- June 2000, p.152.
7. C. Mitsos, A. Zografos, O. Igglessi-Markopoulou, 'A new methodology for the synthesis of tetronic acids utilizing novel N-hydroxy-succinimide esters of α -acetoxyacids', Book of abstracts "2nd International Conference of Chemical Societies of Southeastern Countries" Greece Halkidiki 6-9 June 2000, p.158.
8. G. Athanaselis, E. Gavrielatos, A. Zografos, O. Igglessi-Markopoulou, J. Markopoulos, 'Synthesis, Crystal Structure and Spectral properties of a Copper (II) Complex with N-Acetyl-3-Butanoyl Tetramic Acid' Book of abstracts "34th International Conference on Coordination Chemistry" UK, Edinburgh, 9-14 July 2000, PO240.
9. C. Mitsos, A. Zografos, O. Igglessi-Markopoulou, 'A new simple route to naturally occurring 3-acyl-5-carboxymethyl tetronic acids' Book of abstracts "7th Sina Conference on Pure and Applied Heterocyclic Chemistry" Egypt, Alexandria, 25-28 March 2000, P-124.
10. A. Zografos, C. Mitsos, O. Igglessi-Markopoulou, 'One step synthesis for the preparation of quinoline alkaloid analogues' Book of abstracts "7th Sina Conference on Pure and Applied Heterocyclic Chemistry" Egypt, Alexandria, 25-28 March 2000, P-126.

11. L. Zikou, A. Zografos, "Approch to quinoline alkaloid core by the use of silyl ketene acetals" "Tetrahedron Symposium" France, Bordeaux, June 2005.

12. A. Zografos, P. Anastasopoulou, A.Yiotakis, D. Georgiadis, "Enantioselective synthetic approach to RXPA380" "Hellenic Conference" Greece, Ioannina, 20-23 September 2005.

13. A. Zografos, P. Anastasopoulou, A. Yiotakis, D. Georgiadis "Stereospecific Synthetic Approach Towards RXPA380, A Potent And Selective Phosphinic Inhibitor Of The C-Domain Of Angiotensin-I Converting Enzyme" 5th Hellenic Forum of Bioactive Peptides Greece, Patra 14-16 May 2006.

Languages

English	Excellent
French	Intermediate knowledge
Greek	Mother language

Membership

Association of Greek Chemists
American Chemical Society
