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Bachelor in chemistry: University of Athens, Greece, 1979
PhD: Agricultural University of Athens, Department of Sciences, 1990.
Post Doc studies: 1) University of London, Department of Pharmaceutical and Biological Chemistry, UK, 1990.
2) University of California, San Diego, USA, Medical School, 2000.
Visiting Professor: 1) University of London, School of Pharmacy Chemistry, UK, summer 1991, 1993, 1995.
2) University of California, San Diego, USA, Medical School, summer 2003, 2013, 2014, 2016).
3) Norwegian University of Science and Technology, Department of Biology, (2009).
Positions: 2013-, Professor of Organic Chemistry, Natural Products and Food Chemistry, Department of Food Science and Human Nutrition, Agricultural University of Athens.
2005-2013 Professor of Organic Chemistry, Agricultural University of Athens, Department of Sciences
2017-2019 Member of Supreme Chemical Council of the State,
2016- Director of the General Chemical Lab.
2009-2013 Head of the Department of Sciences, Agricultural University of Athens.
2006-2009 Director of Physical and Chemical Sciences Section
2004-2013 Scientist in charge for postgraduate studies, Department of Sciences.
1999-2005 Associate Professor, Department of Sciences, Agricultural University of Athens
1995-1999 Assistant Professor, Department of Sciences, Agricultural University of Athens.
1991-1995 Lecturer, Department of Sciences, Agricultural University of Athens.
1980-1991 Research Fellow, Department of Sciences, Agricultural University of Athens.
Marital status: married

Research interests:

- Synthesis of bioactive compound with anti-inflammatory, analgesic, antifungal activities
- Isolation and phasmatoscopic study of natural products
- Development of a methodology for qualitative and quantitative determination of plant secondary metabolites

Doctoral Thesis: "Synthesis and semisynthesis of new antibiotics and antibiotic analogues" Agricultural University of Athens, 1990.

Patents:

1. "COMPOSITIONS AND METHODS FOR INHIBITION OF PHOSPHOLIPASE A₂ MEDIATED INFLAMMATION" E.A. Dennis, T. Yaksh, K. K. Lucas, C. Svensson, D.A. Six, G. Kokotos, V. Constantinou-Kokotos, WO 03/076389 A1, 2003-09-18.
2. "MONOESTERS AND MONOETHERS OF 2-AMINO-GLYCEROL CONTAINING LONG CHAINS AND STRUCTURALLY RELATED COMPOUNDS: PREPARATION AND USE" G. Kokotos and V. Constantinou-Kokotou, GR 20050100169 A, 2006-11-23.
3. "SYSTEMIC AND INTRATHECAL EFFECTS OF A NOVEL SERIES OF PHOSPHOLIPASE A₂ INHIBITORS ON HYPERALGESIA AND SPINAL PGE₂ RELEASE" E.A. Dennis, T. Yaksh, G. Kokotos, V. Constantinou-Kokotou, WO 2007/022443 A2.
4. "PERFLUOROKETONE COMPOUNDS AND USES THEREOF" S. David, A. Kalyvas, R. Lopez-Vales, G. Kokotos, V. Constantinou-Kokotou, C. Baskakis, C.G. Kokotos, E.A. Dennis, D. Stephens WO 2008122119 A1, 2008-10-16.
5. "PHOSPHOLIPASE A₂ 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.
6. "AMIDES AS INHIBITORS OF HUMAN SECRETED PHOSPHOLIPASE A₂" G. Kokotos, V. Constantinou-Kokotou, E. A. Dennis, S. David, US8, 759,392, 2014, WO2010011686.
7. "2-OXOAMIDE INHIBITORS OF PLA2 ACTIVITY AND CELLULAR ARACHIDONATE RELEASE BASED ON DIPEPTIDES AND PSEUDOPEPTIDES", E. Dennis, G. Kokotos, V. Constantinou-Kokotou, US8,580,852, 2013

C. Publications in impact factor peer-reviewed journals

65. «Identification of Auxin Metabolites in Brassicaceae by Ultra-Performance Liquid Chromatography Coupled with High-Resolution Mass Spectrometry» P. Revelou, M. Kokotou and V. Constantinou-Kokotou, *Molecules* 2019, 24, 2615; doi:10.3390/molecules24142615.
- B64. «Preparation of synthetic auxin-amino acid conjugates» P. Revelou & V. Constantinou-Kokotou, *Synthetic Communications* (2019); <https://doi.org/10.1080/00397911.2019.1605446>.
63. «DETERMINATION OF INDOLE-TYPE PHYTONUTRIENTS IN CRUCIFEROUS VEGETABLES» P.K. Revelou, M.G. Kokotou, V. Constantinou-Kokotou Natural Product Research. (2018), DOI: 10.1080/14786419.2018.1543680.
62. «HIGH RESOLUTION MASS SPECTROMETRY STUDIES OF SULFORAPHANE AND INDOLE-3-CARBINOL IN BROCCOLI SAMPLES » M G. Kokotou , P. Revelou, C Pappas, V. Constantinou-Kokotou, *Food Chemistry*, **237**, 566-573 (2017).
61. «DIRECT DETERMINATION OF TOTAL ISOTHIOCYANATE CONTENT IN BROCCOLI USING ATTENUATED TOTAL REFLECTANCE INFRARED FOURIER TRANSFORM SPECTROSCOPY» P. Revelou, M G. Kokotou, C Pappas, V. Constantinou-Kokotou, *J. Food Composition and Analysis*, **61**, 47-51 (2017)
60. «2-OXOMIDES BASED ON DIPEPTIDES AS SELECTIVE CALCIUM-INDEPENDENT PHOSPHOLIPASE A₂ INHIBITORS» A. Smyrniotou, M.G. Kokotou, V. Mouchis, E. Barbayianni, G. Kokotos, E. A. Dennis, V. Constantinou-Kokotou, *Bioorg. Med. Chem.* **25**, 926-940 (2017).
59. «Inhibitors of secreted phospholipase A₂ inhibit the release of PGE₂ in rat mesangial cells» S. Vasilakaki, E. Barbayianni, V. Magrioti, O. Pastukhov, V. Constantinou-Kokotou, A. Huwiler, G. Kokotos, *Bioorg. Med. Chem.* **24**, 3029-3034 (2016).
58. «Inhibition of group IVA cytosolic phospholipase A₂ by thiazolyl ketones in vitro, ex vivo, and in vivo Kokotos, G., Feuerherm, A.J., Barbayianni, E., Shah, I., Sæther, M., Magrioti, V., Nguyen, T., Constantinou-Kokotou, V., Dennis, E.A., Johansen, B. *J. Med. Chem.* **57**, 7523-7535 (2014).
57. «NEW POTENT POLYFLUOROALKYL KETONE INHIBITORS OF GROUP IVA CALSIUM INDEPENDENT PLA₂», V. Magrioti, A. Nicolaou, A. Smirniotou, V. Constantinou-Kokotou, E. A. Dennis, G. Kokotos *Bioorg. Med. Chem.*, **21**, 5823-5829 (2013).
56. «BINDING CONFORMATION OF 2-OXOAMIDE INHIBITORS TO GROUP IV CYTOSOLIC PHOSPHOLIPASE A₂ DETERMINED BY MOLECULAR DOCKING COMBINED WITH MOLECULAR DYNAMICS» V. Mouchlis, V. Michopoulou, V. Constantinou-Kokotou, T. Mavromoustakos, E. Dennis, G. Kokotos, *J. Chem. Inf. and Mod.* **52**, 243-254 (2012).
55. «PHOSPHOLIPASE A₂ SUPERFAMILY MEMBERS PLAY DIVERGENT ROLES AFTER SPINAL CORD INJURY» R. Lopez-Vales, N. Ghasemlou, A. Redensek, B. Kerr, E. Barbayianni, G. Antonopoulou, C. Baskakis, K. Rathore, V. Constantinou-Kokotou, D. Stephens, T. Shimizu, E. A. Dennis, G. Kokotos and S. David *FASEB J.*, **23**, 4240-4252 (2011).
54. «RESOLUTION OF N-PROTECTED AMINO ALCOHOLS BY PORCINE PANCREATIC LIPASE» V. Magrioti, I. Fotakopoulou, N. Athinaios, P. Anastasopoulou, V. Constantinou-Kokotou, G. Kokotos, *Letters in Org Chem.*, **7**, 159-162 (2010).
53. «REMOVAL OF ALLYL ESTERS BY *CANDIDA ANTARCTICA* LIPASE B (CAL-B) AND PIG LIVER ESTERASE (PLE)» K. Thodi, E. Barbayianni, I. Fotakopoulou, U. T. Bornscheuer, V. Constantinou-Kokotou, P. Moutevelis-Minakakis, G. Kokotos, *J. Mol. Catal. B: Enzymatic*, **61**, 241-246 (2009).
52. «SYNTHESIS OF HOMOPROLINE ANALOGUES CONTAINING HETEROCYCLIC RINGS AND THEIR ACTIVITY AS ORGANOCATALYSTS FOR MICHAEL REACTION» E. Barbayianni, P. Bouzi, V. Constantinou-Kokotou, V. Ragoussis, and G. Kokotos, *Heterocycles*, **78**, 1243-1252 (2009).
51. «DIFFERENT PHOSPHOLIPASE A_{2S} AFFECT DISTINCT PHASES OF CNS AUTOIMMUNE DISEASE – EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS» A. Kalyvas, C. Baskakis, V. Magrioti, V. Constantinou-Kokotou, D. Stephens, E. A. Dennis, G. Kokotos and S. David *Brain*, **132**, 1221-1235 (2009).
50. «SYNTHESIS OF POLYFLUORO KETONES FOR SELECTIVE INHIBITION OF HUMAN PHOSPHOLIPASE A₂ ENZYMES» C. Baskakis, V. Magrioti, N. Cotton, D. Stephens, V. Constantinou-Kokotou, E. Dennis, G. Kokotos, *J. Med. Chem.* **51**, 8027-8037 (2008).
49. «STRUCTURE-ACTIVITY RELATIONSHIPS OF NATURAL AND NON-NATURAL AMINO ACID-BASED AMIDE AND 2-OXOAMIDE INHIBITORS OF HUMAN PHOSPHOLIPASE A₂ ENZYMES G. Antonopoulou, E. Barbayianni, V. Magrioti, N. Cotton, D. Stephens, V. Constantinou-Kokotou, E.A. Dennis, G. Kokotos, *Bioorg. Med. Chem.* **16**, 10257-10269 (2008).
48. «SYNTHESIS OF 2-OXOAMIDES BASED ON SULFONAMIDE ANALOGS OF γ -AMINO ACIDS AND THEIR ACTIVITY ON PHOSPHOLIPASE A₂» G. Antonopoulou, V. Magrioti, D. Stephens, V. Constantinou-Kokotou, E.A. Dennis, G. Kokotos, *J. Peptide Sci.* **14**, 1111-1120 (2008).
47. «INTRACELLULAR PHOSPHOLIPASE A₂ GROUP IVA AND GROUP VIA PLAY IMPORTANT ROLES IN WALLERIAN DEGENERATION AND AXON REGENERATION AFTER PERIPHERAL NERVE INJURY» R. Lopez-Vales, X. Navarro, T. Shimizu, C. Baskakis, G. Kokotos, V. Constantinou-Kokotou, D. Stephens, S. David, *Brain*. **131**, 2620-2631 (2008).
46. «STRUCTURE-ACTIVITY RELATIONSHIP OF 2-OXOAMIDE INHIBITION OF GROUP IV A CYTOSOLIC PHOSPHOLIPASE A₂ AND GROUP V SECRETED PHOSPHOLIPASE A₂» D. Six, E. Barbayianni, V. Loukas, V.

Constantinou-Kokotou, D. Hadjipavlou-Litina, D. Stephens, A. Wong, V. Magrioti, P. Moutevelis-Minakakis, S Baker, E. Dennis, G. Kokotos, *J. Med. Chem.* **50**, 4222-4235 (2007).

45. "ENZYMATIC REMOVAL OF CARBOXYL PROTECTING GROUPS III. FAST REMOVAL OF ALLYL AND CHLOROETHYL ESTERS BY BACILLUS SUBTILIS ESTERASE". I. Fotakopoulou, E. Barbayianni, V. Constantinou-Kokotou, U. Bornscheuer, G. Kokotos, *J. Org. Chem.* **72**, 782-786 (2007).

44. "DIFFERENTIAL INHIBITION OF GROUP IV A PHOSPHOLIPASES A₂ BY 2-OXOAMIDES". D. Stephens, E. Barbayianni, V. Constantinou-Kokotou, A. Peristeraki, D. Six, J. Cooper, R. Harkiewicz, R. Deems, E. Dennis, G. Kokotos, *J. Med. Chem.* **49**, 2821-2828 (2006).

43. "ENZYMATIC REMOVAL OF CARBOXYL PROTECTING GROUPS. 2. CLEAVAGE OF THE BENZYL AND METHYL MOIETY". E. Barbayianni, I. Fotakopoulou, M. Schmidt, V. Constantinou-Kokotou, U. Bornscheuer, G. Kokotos, *J. Org. Chem.* **70**, 8730-8733 (2005).

42. "ENZYMATIC REMOVAL OF CARBOXYL PROTECTING GROUPS. 1. CLEAVAGE OF THE tert - BUTYL MOIETY" M. Schmidt. E. Barbayianni, I. Fotakopoulou, M. Hohne, V. Constantinou-Kokotou, U. Bornscheuer, G. Kokotos, *J. Org. Chem.* **70**, 3737-3740 (2005).

41. "PHASE TRANSITIONS IN CRYSTALS OF RACEMIC LONG CHAIN 2-AMINO ALCOHOLS" P. Xynogalas, A. Kanapitsas, V. Constantinou-Kokotou, P. Pissis, K. Viras, *Chem. Phys. Lipids* **135**, 83-92 (2005).

40. "SYNTHESIS AND ACTIVITY OF 2-OXOAMIDES CONTAINING LONG CHAIN β-AMINO ACIDS" V. Constantinou-Kokotou, A. Peristeraki, C. G. Kokotos, D. Six, E.A. Dennis, *J. Peptide Sci* **11**, 431-435 (2005).

39 "MICROWAVE ASSISTED NiCl₂ PROMOTED ACYLATION OF ALCOHOLS" V. Constantinou-Kokotou, A. Peristeraki, *Synthetic Commun.* **34**, 4227-4232 (2004).

38. "INHIBITION OF GROUP IV CYTOSOLIC PHOSPHOLIPASE A₂ BY NOVEL 2-OXOAMIDES *in vitro*, *in cells* AND *in vivo*" G. Kokotos, D. Six, V. Loukas, T. Smith, V. Constantinou-Kokotou, D. Hadjipavlou-Litina, S. Kotsovolou, A. Chiou, C. Beltzner, E. Dennis, *J. Med. Chem.* **47**, 3615-3628 (2004).

37. "STERICALLY HINDERED TRIACYLGLYCEROL ANALOGUES AS POTENT INHIBITORS OF HUMAN DIGESTIVE LIPASES" V. Constantinou-Kokotou, V. Magrioti, R. Verger, *Chemistry – Eur. J.*, **10**, 1133-1140 (2004).

36. "TRIACYLGLYCEROLS BASED ON 2-(N-tert-BUTOXYCARBONYLAMINO)-OLEIC ACID AS POTENT INHIBITORS OF PANCREATIC LIPASE", V. Magrioti, R. Verger, V. Constantinou-Kokotou, *J. Med. Chem.*, **47**, 288-291 (2004).

35. "SYNTHESIS AND IN VIVO ANTI-INFLAMMATORY ACTIVITY OF LONG CHAIN 2-AMINO-ALCOHOLS", V. Magrioti, D. Hadjipavlou-Litina, V. Constantinou-Kokotou, *Bioorg. Med. Chem. Lett.*, **13**, 375-377 (2003).

34. "SYNTHESIS AND USE OF N,N-DI BOC GLUTAMATE γ-SEMIALDEHYDES AND RELATED ALDEHYDES", V. Constantinou-Kokotou, V. Magrioti, *Amino Acids*, **24**, 231-243 (2003).

33. "NOVEL 2-OXO-AMIDE INHIBITORS OF HUMAN GROUP IVA PHOSPHOLIPASE A₂", G.Kokotos, S. Kotsovolou, D. Six, V. Constantinou-Kokotou, C. Beltzner, E. Dennis, *J. Med. Chem.*, **45**, 2891-2893 (2002).

32. "SYNTHESIS AND BIOLOGICAL ACTIVITIES OF LONG CHAIN 2-AMINO ALCOHOLS" V. Constantinou-Kokotou, *Lett. Pep. Science* **9**, 143-152 (2002)

31. "SYNTHESIS OF (S)-α-AMINO OLEIC ACID", V. Magrioti, V. Constantinou-Kokotou, *Lipids*, **37**, 223-228 (2002).

30. "SYNTHESIS OF ENANTIOPURE NON-NATURAL α-AMINO ACIDS USING tert-BUTYL (2S)-2-[BIS-(tert-BUTYLOXYCARBONYL)AMINO]-5-OXO-PENTANOATE AS KEY INTERMEDIATE: THE FIRST SYNTHESIS OF (S)-2-AMINO OLEIC ACID", V. Constantinou-Kokotou, V. Magrioti, T. Markidis, G. Kokotos, *J. Pept. Res.*, **58**, 325-331 (2001).

29. "STUDY OF AMINOGLYCOSIDE-NUCLEIC ACID INTERACTIONS BY AN HPLC METHOD", V. Constantinou-Kokotou, G. Karikas, G. Kokotos, *Bioorg. Med. Chem. Lett.*, **11**, 1015-1018 (2001).

28. "SYNTHESIS AND IN VITRO CYTOTOXICITY OF NOVEL LONG CHAIN BUSULPHAN ANALOGUES", G. Kokotos, V. Constantinou-Kokotou, J.M. Padron, G.J. Peters, *Bioorg. Med. Chem. Lett.* **11**, 861-863 (2001).

27. "STUDY OF DNA INTERACTIONS WITH MELPHALAN, BUSULPHAN AND ANALOGUES USING AN HPLC METHOD", G.A. Karikas, V. Constantinou-Kokotou, V. Magrioti, G. Kokotos, *J. Liq. Chrom.*, **23**, 1859-1864 (2000).

26. "INHIBITION OF LIPOPROTEIN LIPASE BY ALKANESULFONYL FLUORIDES" G.Kokotos, S. Kotsovolou, V. Constantinou-Kokotou, W. Gengshu, G. Olivecrona, *Bioorg. Med. Chem. Lett.*, **10**, 2803-2806 (2000).

25. "SYNTHESIS AND STUDY OF A LIPOPHILIC α-KETO AMIDE INHIBITOR OF PANCREATIC LIPASE" A.Chiou, T. Markidis, V. Constantinou-Kokotou, R. Verger, G. Kokotos, *Organic Lett.*, **2**, 347-350 (2000).

24. "SYNTHETIC ROUTES TO LIPIDIC DIAMINES AND AMINOALCOHOLS: A CLASS OF POTENTIAL ANTI-INFLAMMATORY AGENTS" G. Kokotos, V. Constantinou-Kokotou, C. Noula, D. Hadjipavlou-Litina, *Lipids*, **34**, 307-311 (1999).

23. "SYNTHESIS, IN VITRO CYTOTOXICITY AND IN VIVO ANTI-INFLAMMATORY ACTIVITY OF LONG CHAIN 3-AMINO-1,2-DIOLS" J.M. Padron, V. Martin, D. Hadjipavlou-Litina, C. Noula, V. Constantinou-Kokotou, G.Peters, G. Kokotos, *Bioorg. Med. Chem. Lett.*, **9**, 821-826 (1999).

22. "SYNTHESIS OF N-PROTECTED 2-AMINOHEXANESULPHONIC ACID" V. Constantinou-Kokotou, *Org. Prep. Proced. Int.*, **31**, 237-239 (1999).

21. "SYNTHESIS OF OPTICALLY ACTIVE LIPIDIC α-AMINO ACIDS AND LIPIDIC 2-AMINO ALCOHOLS" G. Kokotos, V. Constantinou-Kokotou, *Amino Acids* **16**, 273-286 (1999).

20. "FAST ATOM BOMBARDMENT MASS SPECTROMETRY OF NETILMICIN AND 6'-N DERIVATIVES" S. Kotretsou, V. Constantinou-Kokotou, *Europ. Mass spectrometry.*, **4**, 265-268 (1998).

19. "MASS SPECTROMETRIC STUDIES ON THE FRAGMENTATION AND STRUCTURAL CHARACTERIZATION OF AMINOACYL DERIVATIVES OF KANAMYCIN A" S. Kotretsou, V. Constantinou-Kokotou, *Carbohydr. Res.* **310**, 121-127 (1998).
18. "SYNTHESIS AND IN VITRO CYTOTOXICITY OF LIPIDIC ALCOHOLS AND AMINES" V. Constantinou-Kokotou, G. Kokotos, C. Roussakis, *Anticancer Research* **18**, 3439-3442 (1998).
17. "SYNTHESIS AND IN VITRO CYTOTOXICITY OF LIPOPHILIC PLATINUM(II) COMPLEXES" G. Kokotos, V. Theodorou, V. Constantinou-Kokotou, W. Gibbons, *Bioorg. Med. Chem. Lett.* **8**, 1525-1530 (1998).
16. "AN HPLC METHOD FOR THE MEASUREMENT OF POLYAMINES AND LIPIDIC AMINES BINDING TO DNA" G. Karikas, V. Constantinou-Kokotou and G. Kokotos, *J. Liq. Chrom. & Rel. Technol.* **20**, 1789-1796 (1997).
15. "SYNTHESIS AND PROPERTIES OF NOVEL LIPOPEPTIDES AND LIPID MIMETICS" A. Nicolaou, G. Kokotos, V. Constantinou-Kokotou, C. Charitos, C. Noula, R. Verger and W.A. Gibbons, *J. Peptide Science* **3**, 291-298 (1997).
14. "SYNTHESIS OF LIPIDIC AMINO ACID AND DIPEPTIDE INHIBITORS OF HUMAN PLATELET PHOSPHOLIPASE A₂" G. Kokotos, V. Constantinou-Kokotou, C. Noula, A. Nicolaou, W. Gibbons, *Int. J. Peptide Protein Res.* **48**, 160-166 (1996).
13. "SYNTHESIS OF MEDICINALLY USEFUL LIPIDIC α -AMINO ACIDS, 2-AMINO ALCOHOLS AND DIAMINES" G. Kokotos, V. Martin, V. Constantinou-Kokotou and W.A. Gibbons, *Amino Acids* **11**, 329-343 (1996).
12. "SYNTHESIS OF CHIRAL TRIAMINES AND DIAMINES FROM AMINO ACIDS" G. Kokotos, T. Markidis, V. Constantinou-Kokotou, *Synthesis* 1223-1226 (1996).
11. "SYNTHESIS AND ANTIMICROBIAL AND TOXICOLOGICAL STUDIES OF AMINO ACID AND PEPTIDE DERIVATIVES OF KANAMYCIN A AND NETILMICIN" S. Kotretsou, M. Mingeot-Leclerq, V. Constantinou-Kokotou, P. Tulkens, M. P. Georgiadis, *J. Med. Chem.* **38**, 4710-4719 (1995).
10. "NMR LIPID PROFILES OF CELLS TISSUES AND BODY FLUIDS. PROTON NMR ANALYSIS OF HUMAN BLOOD LIPIDS". R. Adosraku, G. Choi, V. Constantinou-Kokotou, M. Anderson, W. Gibbons *J. Lipid Res.* **35**, 1925-1931 (1994).
9. "SYNTHESIS OF 1,3-DIAMINES" V. Constantinou-Kokotou, G. Kokotos, *Organic Prep. Proced. Int.* **26**, 599-602 (1994).
8. "SYNTHESIS AND ANTIFUNGAL ACTIVITY OF 3-DEOXY-DL-PRUMYCIN ANALOGUES". V. Constantinou-Kokotou, G. Kokotos, E. Couladouros, M. Chrysai-Toukousbalides, M. P. Georgiadis, *Liebigs Ann. Chem.* 847-850. (1994).
7. "A SYNTHESIS IN ONE REACTION VESSEL OF 2,4-DIAMINOSUGAR PERCURSORS FROM 2,3-DIDEOXY-2-ENOPYRANOS-4-ULOSES" E. Couladouros, V. Constantinou-Kokotou, M. Georgiadis, G. Kokotos, *Carbohydr. Res.* **254**, 317-324 (1994).
6. "CONVERSION OF RACEMIC LIPIDIC AMINO ACIDS INTO SPHINGOSINE AND CERAMIDE ANALOGUES AND 1,2-DIAMINES" G. Kokotos, V. Constantinou-Kokotou, E. Del Olmo Fernandez, I. Toth, W. A. Gibbons, *Liebigs Ann. Chem.* 961-964 (1992).
5. "MODIFIED AMINO ACIDS AND PEPTIDES. PART 2. A CONVENIENT CONVERSION OF AMINO AND PEPTIDE ALCOHOLS INTO AMINES" G. Kokotos, V. Constantinou-Kokotou, *J. Chem. Research.* (S) 391 (1992) and *J. Chem. Research.* (M) 3117-3132 (1992).
4. "TOTAL SYNTHESIS OF 4-(D-ALANYLAMINO)-2-AMINO-2,3,4-TRIDEOXY-DL-THREO-PENTOSE (3-DEOXY-DL-PRUMYCIN)" V. Constantinou-Kokotou, E. Couladouros, M. Georgiadis, G. Kokotos, T. Georgiadis, *Carbohydr. Res.* **222**, 163-172 (1991).
3. "SYNTHESIS OF 6-ACYLOXY AND 6-ALKOXY DERIVATIVES OF 2H-PYRAN-3(6H)-ONES" V. Constantinou-Kokotou, G. Kokotos, M. Georgiadis, *Liebigs Ann. Chem.* 151-154 (1991).
2. "RESOLUTION OF 2,3-DIDEOXY-DL-2-ENOPYRANOS-4-ULOSES VIA CHROMATOGRAPHIC SEPARATION OF THEIR DIASTEREOMERIC O-TERT-BUTYLOXYCARBONYL-L-ALANYL ESTERS. A CONVENIENT SYNTHESIS OF L- AND D-ACULOSE" V. Constantinou-Kokotou, E. Couladouros, M. Georgiadis, G. Kokotos, *J. Carbohydrate Chem.* **10**, 749-756 (1991).
1. "SYNTHESIS OF AMINO ACID DERIVATIVES OF NEAMINE AND 2-DEOXYSTREPTAMINE TO BE USED AS MUTASYNTHONS" M. Georgiadis, V. Constantinou-Kokotou, G. Kokotos, *J. Carbohydrate Chem.* **10**, 739-748 (1991).

Publications in Book Chapters: 20

Posters Presentations in Conferences: 83

Teaching activities-notes, Translations in greek:

Undergraduates students. 1) General Chemistry 2) Organic Chemistry 3) Chemistry of Natural Products

Graduate students. *Teaching* 1) Spectroscopic Methods of Plant Analysis 2) Biomolecules-sugars for the students of the masters course "Organic Synthesis and Applications in Chemical Industry", University of Athens, Greece.3) Natural products-Isolation, Purification for the students of the masters course of our Department (2004-) 4) Natural products for the students of the masters course of our department (2004-). 5) Spectroscopic techniques for the students of the masters course of our department (2004-).

Distance teaching and teaching of adults: since 2008, Organic Chemistry teaching member of the Hellenic Open University.

Author of teaching notes: 1) Practical and Theoretical Topics in Chemistry, for undergraduates students
 2) Basic laboratory techniques of general and inorganic chemistry, for undergraduates students
 3) Organic synthesis, for master degree students.

Author in scientific books:

- 1) "LIPASES AND LIPIDS: STRUCTURE, FUNTION AND BIOTECHNOLOGICAL APPLICATIONS", G. Kokotos and V. Constantinou-Kokotou, Editors, Crete University Press, Heraklion, 2000.
- 2) "PEPTIDES 2012, Proceedings of the 32nd European Peptide Symposium" G. Kokotos, V. Constantinou-Kokotou, J. Matsoukas, Editors, Athens, 2012.
- 3) Participation in translation team of the two-volume book "Organic Chemistry" D.Klein, 2015, for Chemistry Departments students
- 4) Participation in translation team of the one-volume book "Organic Chemistry for Life Sciences" D.Klein, 2015, for University students
- 5) Participation in translation team of the two-volume book "Organic Chemistry" J. Clayden, N. Greevew, S.Warren, 2016 for students of Chemistry Departments
- 6) Participation in translation team of the one-volume book "Organic Structures from Spectra" L. Field, S. Sternhell, J. Kalman, 2017 for students of Chemistry Departments.
- 7) Participation in translation team of the one-volume book "Principales of Chemistry: P. Atkins, L. Jones, L. Laverman, 2019, for University students.

Supervisor of Doctoral Theses and Master Theses

Four (4) doctoral dissertations have been completed under my supervision [Magrioti V (2003), Peristeraki A (2006), Fotokopoulou E. (2007), Smyrmiotou A (2015), Revelou P. (2019)] and 10 Master thesis [Antonopoulou G. (2005) Yogios G. (2005), Bouziss P. (2006), Kosmatos A. (2006), Georgalas I. (2007), Ntoltzas P. (2008), Simpoura F. (2010), Mesimeri E. (2019), Tsekouras A. (2019), Adamopoulou M. (2020)].

Organisation of international conferences

- a) "Lipases and Lipids: Structure, Function and Biotechnological Applications" . Santorini, Greece 1999.
- b) "Organic Synthesis from Chemistry to Biology, Medicine and Materials" 2005.
- c) "Organic Synthesis from Chemistry to Biology, Medicine and Materials" 2007.
- d) "Organic Synthesis from Chemistry to Biology, Medicine and Materials" 2009.
- e) 32nd European Peptide Symposium, Athens, Μέγαρο 2-7 Σεπτεμβρίου 2012.