

SHORT CURRICULUM VITAE



Gerasimos M. Tsivgoulis, Ph. D., Professor

Professor Tsivgoulis Gerasimos was born in 1966 in Athens, Greece. He obtained his diploma (Chemistry) in 1987 (grade 9.44/10) and Ph.D. (Bioinorganic Chemistry) in 1991 from the University of Patras. He spent as a postdoctoral fellowship three and a half (3½) years at College de France under the supervision of Jean Marie Lehn (Nobel Prize 1987) (Paris, France). The following three and a half (3½) years was Independent researcher at the University of Groningen (The Netherlands). In September 2000 was appointed as Lecturer at the University of Patras (Greece). Currently, Gerasimos Tsivgoulis is Professor of Organic Chemistry

at the same University. He is co-author of more than 51 original publications in peer review international journals and in one patent. His work has been cited >1400 times. He has seventeen (17) publications as first author and fifteen (15) as corresponding author.

Research Interests

Main topics:

- Synthesis and Study of Supramolecular Systems
- Synthesis and Study of Arsonolipids
- NMR of Organic and Organoarsenic Compounds

Teaching experience

A. Undergraduate teaching.

Lectures in:

- **Modern Spectroscopy Techniques (NMR, MS) - Molecular Modelling**, (Dept. of Chemistry, University of Patras, Greece)
- **Practical Organic Chemistry 2**, (Dept. of Chemistry, University of Patras, Greece)
- **Organic Chemistry**, (Dept. of Biology, University of Patras, Greece)
- **NMR Spectroscopy, Molecular Modelling and Molecular Design**, (Dept. of Chemistry, University of Patras, Greece)
- **Spectroscopy of Organic Compounds– Practical Organic Chemistry 1**, (Dept. of Chemistry, University of Patras, Greece)
- **Introduction to Spectroscopy of Organic Compounds and Chemistry of Biomolecules and Heterocyclic Compounds**, (Dept. of Chemistry, University of Patras, Greece)
- **Special Topics in Organic Chemistry**, (Dept. of Chemistry, University of Patras, Greece)
- **Chemistry of Heterocyclic Compounds**, (Dept. of Chemistry, University of Patras, Greece)
- **Organic Chemistry I**, (Dept. of Chemistry, University of Patras, Greece)
- **Spectroscopy of Organic Compounds**, (Dept. of Chemistry, University of Patras, Greece)
- **Principles of Polymerization**, (Dept. of Chemistry, University of Groningen, Greece)

Practical Courses:

- **Experimental Organic Chemistry 1**, (Dept. of Chemistry, University of Patras, Greece)

- **Experimental Organic Chemistry 2**, (Dept. of Chemistry, University of Patras, Greece)
- **Spectroscopy of Organic Compounds– Experimental Organic Chemistry 1**, (Dept. of Chemistry, University of Patras, Greece)
- **Organic Chemistry (Laboratory)**, (Dept. of Biology, University of Patras, Greece)

B. Graduate teaching.

Lectures in:

- **Structural and Computational Medicinal Chemistry**, in “Medicinal and Biological Chemistry”, Departments of Chemistry, Biology and Medicine, University of Patras, Greece
- **Spectroscopy of Organic Compounds**, in “Biological Chemistry”, Departments of Chemistry, Pharmacy and Biology, University of Patras, Greece
- **NMR Spectroscopy, Molecular Modelling and Molecular Design**, in “Medicinal Chemistry”, Departments of Chemistry, Pharmacy Biology and Medicine, University of Patras, Greece
- **Organic Drug Synthesis**, in “Medicinal Chemistry”, Departments of Chemistry, Pharmacy Biology and Medicine, University of Patras, Greece
- **Chemistry of Organic Compounds with Interest in Technology**, University of Athens, Greece

Practical Courses:

- **Experimental Organic Chemistry**, in “Medicinal Chemistry” Departments of Chemistry, Pharmacy Biology and Medicine, University of Patras, Greece

Fellowships

- 1) Postgraduate fellowship given to Ph.D. students after selection (1987-1991)
- 2) Marie Curie post doctoral fellowship under the program: “Human Capital and Mobility-Individual Fellowships” (1993-1995)

Awards

- 1) Special award as the best student of the Faculty of Sciences (1984)
- 2) Annual governmental awards as the best student in my class (1984-1986)

Grants

- 1) “Preparations of Arsonolipids as analogues of Phosphonolipids” grant for post-graduate studies offered by the General Secretariat of Research and Technology of Greece (1989)
- 2) Marie Curie post doctoral fellowship under the program: “Human Capital and Mobility-Individual Fellowships” (1993-1995)
- 3) Governmental (Materials Science Centre) four years financement for dissertation under the title “Switchable Energy transfer in A--> B systems” (1999)
- 4) Governmental (Materials Science Centre) two years financement for a post-doc under the title “Switchable Energy transfer in Supramolecular systems” (1999)
- 5) C.Karatheodoris four years grant “Photoswithable Ion channels” (2002)
- 6) Grant from Empirikion Foundation
- 7) Participation in the FP7-2008-NMP, Large Scale Project “ Nanoparticles for therapy and Diagnosis of Alzheimer disease”, (2008 - 2013)
- 8) Participation (collaborator) in a General Secretary of Research and Technology Project: “Pre-clinical and Toxicology Evaluation of Immunodominant Myelin Peptides/Mimetics Conjugated with Mannan towards Clinical Phase I-II Studies: A Potential Therapeutic Vaccine Drug in the Treatment of Multiple Sclerosis (MS)”, (2011 - 2015)

- 9) Participation (collaborator) in a General Secretary of Research and Technology Bilateral program between Greece and Israel Project: "A novel combined approach for the Immunotherapy of Multiple Sclerosis", (2014 - 2015)

Languages : Greek (mother language), English (excellent), French (very good).

Memberships : Member of the Greek Chemist Companion.

Conferences: 33

PUBLICATION IN PEER REVIEW JOURNALS

Publications: 51, Citations: (self citations not included) >1400

1. S. Mourtas*, K. Papadia, G.G. Kordopati, P. V. Ioannou, S. G. Antimisariis and G. M. Tsivgoulis*, Synthesis of Novel Arsonolipids and Development of Novel Arsonoliposome Types *Pharmaceutics*, **2022**, *4*, 1649. DOI: [10.3390/pharmaceutics14081649](https://doi.org/10.3390/pharmaceutics14081649)
2. G. G. Kordopati, N.-M. Konstantinou, G. M. Tsivgoulis*, Comparison of Various Tosylating Reagents for the Synthesis of Mono-2-O-tosyl- β -cyclodextrin *Synthesis*, **2022**, *54*, 4015-4024. DOI: [10.1055/s-0040-1719927](https://doi.org/10.1055/s-0040-1719927)
3. G. M. Tsivgoulis*, D. G. Vachliotis, G. G. Kordopati, P. V. Ioannou*, Hydroxyl-containing bis(sulfonates). Reaction of 1,4-dibromo-2,3-butanedione with water, methanol and sodium sulfite, *Main Group Chemistry*, **2021**, *20*, 365-376. DOI: [10.3233/MGC-210053](https://doi.org/10.3233/MGC-210053)
4. P. V. Ioannou*, G. M. Tsivgoulis*, Preparation of (mono)sulfonates: Suitable precursors for unnatural sulfonolipids *Main Group Chemistry*, **2021**, *20*, 103-118. DOI: [10.3233/MGC-210014](https://doi.org/10.3233/MGC-210014)
5. G. G. Kordopati, G. M. Tsivgoulis*, Amino cyclodextrin per-*O*-methylation: Synthesis of 3-monoamino-permethylated derivatives *Tetrahedron Letters*, **2018**, *25*, 2447-2449. DOI: [10.1016/j.tetlet.2018.05.039](https://doi.org/10.1016/j.tetlet.2018.05.039)
6. G. M. Tsivgoulis*, G. G. Kordopati, D. G. Vachliotis, P. V. Ioannou, The Reaction of Diethylthiophosphinyl Iodide, Et₂P(S)I, with Nucleophiles, *Z. Anorg. Allg. Chem.*, **2017**, *643* (16), 1075-1081. DOI: [10.1002/zaac.201700143](https://doi.org/10.1002/zaac.201700143)
7. G. G. Kordopati, H. Tzoupis, A. N. Troganis, G. M. Tsivgoulis, S. Golic Grdadolnik, C. Simal, T. V. Tselios*, Biologically Relevant Conformational Features of Linear and Cyclic Proteolipid Protein (PLP) Peptide Analogues Obtained by High-Resolution Nuclear Magnetic Resonance and Molecular Dynamics, *Journal of Computer-Aided Molecular Design*, **2017**, *31*, 841-854. DOI: [10.1007/s10822-017-0045-2](https://doi.org/10.1007/s10822-017-0045-2)
8. G. G. Kordopati, T. V. Tselios, T. Kellici, F. Merzel, T. Mavromoustakos, S. Golic Grdadolnik*, G. M. Tsivgoulis*, A novel synthetic luteinizing hormone-releasing hormone (LHRH) analogue coupled with modified β -cyclodextrin: Insight into its intramolecular interactions *Biochimica et Biophysica Acta- General Subjects*, **2015**, *1850*, 159-168. DOI: [10.1016/j.bbagen.2014.10.017](https://doi.org/10.1016/j.bbagen.2014.10.017)
9. P. V. Ioannou* and G. M. Tsivgoulis, The reduction of p-arsanilic acid (p-aminophenylarsonic acid) to its arsonous acid or arsine oxide: a case study, *Main Group Chemistry*, **2015**, *14*, 237-253. DOI: [10.3233/MGC-150167](https://doi.org/10.3233/MGC-150167)
10. P. V. Ioannou* and G. M. Tsivgoulis, The reaction of dithioerythritol and dithiothreitol with As(III), Sb(III), and Bi(III) compounds, *Monatshefte fuer Chemie*, **2015**, *146*(2), 249-257. DOI: [10.1007/s00706-014-1328-0](https://doi.org/10.1007/s00706-014-1328-0)
11. P. V. Ioannou* and G. M. Tsivgoulis*, Thiulates of arsenic(III), antimony(III), and bismuth(III) with DL- α -dihydrolipoic acid, *Monatshefte fuer Chemie*, **2014**, *145*(6), 897-909. DOI: [10.1007/s00706-014-1186-9](https://doi.org/10.1007/s00706-014-1186-9)
12. P. V. Ioannou* and G. M. Tsivgoulis*, Thiulates of arsenic(III) and Bi(III) with the anti-hypertensive drug captopril, *Main Group Chemistry*, **2013**, *12*, 221-233. DOI: [10.3233/MGC-130104](https://doi.org/10.3233/MGC-130104)

13. P. V. Ioannou*, G. M. Tsivgoulis*, and M. A. Lala, Racemic 2,3,4-Triacyloxybutylarsonic Acids: A New Class of Arsonolipids with Three Acyl Chains, *Phosphorus, Sulfur, and Silicon*, **2013**, 188, 941-954. DOI: [10.1080/10426507.2012.727512](https://doi.org/10.1080/10426507.2012.727512)
14. P. V. Ioannou* and G. M. Tsivgoulis, Preparation of thiolates of arsenic (III) and bismuth(III) with dithioerythritol, 2-mercaptoethanesulfonic acid and its sodium salt, 6-mercaptopurine and its riboside, *Main Group Chemistry*, **2012**, 11, 89-102. DOI: [10.3233/MGC-2012-0059](https://doi.org/10.3233/MGC-2012-0059)
15. G. M. Tsivgoulis*, and P. V. Ioannou, Esterification equilibrium constants of arsonic and arsinic acids, *Monatshefte fuer Chemie*, **2012**, 143(12), 1603-1608. DOI: [10.1007/s00706-012-0867-5](https://doi.org/10.1007/s00706-012-0867-5)
16. P. V. Ioannou*, M. A. Lala and G. M. Tsivgoulis, Preparation and properties of fully esterified erythritol, *Eur. J. Lipid Sci. Technol.*, **2011**, 113, 1357-1362. DOI: [10.1002/ejlt.201000508](https://doi.org/10.1002/ejlt.201000508)
17. P. V. Ioannou* and G. M. Tsivgoulis, On the use of organotin reagents for the preparation of partially esterified glycerol and meso-erythritol, *Main Group Chemistry*, **2011**, 10, 115-125. DOI: [10.3233/MGC-2011-0042](https://doi.org/10.3233/MGC-2011-0042)
18. P. V. Ioannou* and G. M. Tsivgoulis, The nucleophilicity of M(SPh)₃ (M = P, As) and L-As(SPh)₂ (L = Ph, 2-O₂N-Ph) towards fatty acyl chlorides, RCOCl, *Main Group Chemistry*, **2011**, 10, 177-185. DOI: [10.3233/MGC-2011-0047](https://doi.org/10.3233/MGC-2011-0047)
19. G. M. Tsivgoulis, and P.V. Ioannou*, The nucleophilicity of M(SPh)₃ (M = P, As) and PhAs(SPh)₂ towards carboxylic acid anhydrides, *Main Group Chemistry*, **2011**, 10, 51-62. DOI: [10.3233/MGC-2010-0034](https://doi.org/10.3233/MGC-2010-0034)
20. G. M. Tsivgoulis*, and P. V. Ioannou*, A high yield procedure for the preparation of arsonolipids (2,3-diacyloxypropylarsonic acids), *Chem. Phys. Lip.*, **2010**, 163, 51-55. DOI: [10.1016/j.chemphyslip.2009.10.008](https://doi.org/10.1016/j.chemphyslip.2009.10.008)
21. T. D. Sideris, G. M. Tsivgoulis, D. G. Vachliotis and P. V. Ioannou*, The Reactions of Triethylamine-activated Octasulfur with Thioarsenites, L₂As-SPh (L = Me, Ph), Bunsen's Cacodyl Disulfide, and Triphenylarsine, *Main Group Chemistry*, **2009**, 8 (3), 163-176. DOI: [10.1080/10241220903134429](https://doi.org/10.1080/10241220903134429)
22. P. V. Ioannou*, G. M. Tsivgoulis*, D. G. Vachliotis, The Lewis-base Behaviour of Bunsen's Cacodyl Disulfide, Me₂As(S)-S-AsMe₂, Towards Molecular Halides of Group 13, *Main Group Chemistry*, **2009**, 8 (3), 151-161. DOI: [10.1080/10241220903015800](https://doi.org/10.1080/10241220903015800)
23. G. M. Tsivgoulis, and P. V. Ioannou*, A reinvestigation of the synthesis of arsonolipids (2,3-diacyloxypropylarsonic acids), *Chem. Phys. Lip.*, **2008**, 152(2), 113-121. DOI: [10.1016/j.chemphyslip.2008.02.001](https://doi.org/10.1016/j.chemphyslip.2008.02.001)
24. G. M. Tsivgoulis, M. A. Lala and P. V. Ioannou*, Preparation of DL-2,3,4-trihydroxybutylarsonic acid and DL-2,3-dihydroxybutane-1,4-bis(arsenic acid): starting compounds for novel arsonolipids, *Chem. Phys. Lip.*, **2007**, 148(2), 97-104. DOI: [10.1016/j.chemphyslip.2007.04.011](https://doi.org/10.1016/j.chemphyslip.2007.04.011)
25. K. Prousalis, G. M. Tsivgoulis, T. Tseggenidis*, Production of antibodies from chicken egg yolk to phenyl-N-methylcarbamate insecticides for analytical purposes, *International Journal of Environmental Analytical Chemistry* **2007**, 87(13-14), 1065-1078. DOI: [10.1080/03067310701440700](https://doi.org/10.1080/03067310701440700)
26. M. A. Lala, G. M. Tsivgoulis and P. V. Ioannou*, Preparation of 2,3,4-trihydroxybutylarsonic acid: A starting compounds for novel arsonolipids, *Phosphorus, Sulfur, and Silicon*, **2007**, 182(12) 2747-2760. DOI: [10.1080/10426500701506184](https://doi.org/10.1080/10426500701506184)
27. G. M. Tsivgoulis, T. C. Fotopoulou and P. V. Ioannou*, The oxidation of Trialkyl Trithioarsenites (RS)₃As, by octasulfur/Triethylamine and Dioxide, *Phosphorus, Sulfur, and Silicon*, **2006**, 181, 413-425. DOI: [10.1080/104265091001092](https://doi.org/10.1080/104265091001092)
28. G. M. Tsivgoulis, P. A. Afroudakis and P. V. Ioannou*, Preparation of dehydro-L-(+)-ascorbic acid dimer by oxidation of ascorbic acid with arsenic acid/iodine and formation of complexes between arsenious acid and ascorbic acid, *J. Inorg. Biochem.*, **2004**, (98), 649-656. DOI: [10.1016/j.jinorgbio.2004.01.016](https://doi.org/10.1016/j.jinorgbio.2004.01.016)
29. E. Ntararas, H. Matralis* and G. M. Tsivgoulis*, Easily Characterized systems of C₆₀ grafted on SiO₂, *Tetrahedron Letters*, **2004**, 45(22), 4389-4391. DOI: [10.1016/j.tetlet.2004.03.180](https://doi.org/10.1016/j.tetlet.2004.03.180)
30. M. N. Haikou, G. M. Tsivgoulis and P. V. Ioannou*, On the Reaction of Triaryl Trithioarsenites (ArS)₃As with Octasulfur, *Z. Anorg. Allg. Chem.*, **2004**, (630), 1084-1089. DOI: [10.1002/zaac.200400082](https://doi.org/10.1002/zaac.200400082)

31. M. P. L. Werts, M. van den Boogaard, G. M. Tsivgoulis and G. Hadziioannou*, Mechanically Linked Polyrotaxanes: A stepwise approach
Macromolecules, **2003**, 36(19) 7004-7013. DOI: [10.1021/ma034521t](https://doi.org/10.1021/ma034521t)
32. E. Drakopoulou, G. M. Tsivgoulis, A. Mukhopadhyay, A. Brisson*, Design and Synthesis of Multifunctional phospholipids,
Tetrahedron Letters, **2000**, 41(21), 4131-4134. DOI: [10.1016/S0040-4039\(00\)00596-7](https://doi.org/10.1016/S0040-4039(00)00596-7)
33. M. P. L. Werts, M. van den Boogaard, G. Hadziioannou and G. M. Tsivgoulis*, Towards Mechanically Linked Polyrotaxanes by Sequential Deprotection - Coupling Steps of Bifunctional Rotaxanes,
Chemical Communications, **1999**, 623-624. DOI: [10.1039/a900914k](https://doi.org/10.1039/a900914k)
34. J. A. Mikroyannidis* and G. M. Tsivgoulis, Synthesis and Characterization of Soluble, Blue-Fluorescent Polyamides and Polyimides Containing Substituted p-Terphenyl as well as Long Aliphatic Segments in the Main Chain,
J. Polym. Sci. Part A: Polym. Chem., **1999**, 37, 3646-3656. DOI: [10.1002/\(SICI\)1099-0518\(19990915\)37:18<3646::AID-POLA13>3.3.CO;2-8](https://doi.org/10.1002/(SICI)1099-0518(19990915)37:18<3646::AID-POLA13>3.3.CO;2-8)
35. G. M. Tsivgoulis, D. N. Sotiropoulos and P. V. Ioannou*, On the Behaviour of Sulfonates towards As(III) Nucleophiles,
Phosphorus, Sulfur, and Silicon, **1998**, 141, 97-110. DOI: [10.1080/10426509808033725](https://doi.org/10.1080/10426509808033725)
36. J.-P. Boilot*, J. Biteau, A. Brun, F. Chaput, M.T. Dantas, B. Darracq, T. Gacoin, K. Lahil, J.-M. Lehn, Y. Levy, L. Malier and G. M. Tsivgoulis, Hybrid gels and nanoscale chemistry for optical applications,
Mater. Res. Soc. Symp. Proc., **1998**, 519, (Organic/Inorganic Hybrid Materials), 227-238
DOI: [10.1557/PROC-519-227](https://doi.org/10.1557/PROC-519-227)
37. J. C. Owrutsky, H. H. Nelson, A. P. Baronavski, O.-K. Kim*, G. M. Tsivgoulis, S. L. Gilat, and J.-M. Lehn, Optical Properties and Dynamics of a Photochromic Bisthienylethene in Solution and in Polymer Film,
Chem. Phys. Lett., **1998**, 293, 555-563. DOI: [10.1016/S0009-2614\(98\)00816-1](https://doi.org/10.1016/S0009-2614(98)00816-1)
38. J. Biteau, F. Chaput, K. Lahil, J.-P. Boilot*, G. M. Tsivgoulis, J.-M. Lehn, B. Darracq, C. Marois, and Y. Levy, Large and Stable Refractive Index Change in Photochromic Hybrid Materials,
Chem. Mater., **1998**, 10(7), 1945-1950. DOI: [10.1021/cm980106h](https://doi.org/10.1021/cm980106h)
39. I. K. Spiliopoulos, G. M. Tsivgoulis and J. A. Mikroyannidis*, Rigid-Rod Polyamides And Polyimides Derived From 4,3"-Diamino-2',6'-Diphenyl- or Di(4-Biphenyl)-p-Terphenyl and 4-Amino-4"-Carboxy-2',6'-Diphenyl-p-Terphenyl,
Macromolecules, **1998**, 31, 522-529. DOI: [10.1021/ma9709664](https://doi.org/10.1021/ma9709664)
40. J. Biteau, G. M. Tsivgoulis, F. Chaput, J.-P. Boilot*, S. L. Gilat, S. Kawai, J.-M. Lehn, B. Darracq, F. Martin and Y. Levy, Photochromism of Dithienylethene Derivatives Trapped in Sol-Gel Matrices,
Mol. Cryst. Liq. Cryst., **1997**, 297, 65-72. DOI: [10.1080/10587259708036104](https://doi.org/10.1080/10587259708036104)
41. G. M. Tsivgoulis, and J.-M. Lehn*, Multiplexing Optical Systems; Multicolor - Bifluorescent - Biredox Photochromic Mixtures,
Advanced Materials, **1997**, 9, 627-630. (Εξώφυλλο στο περιοδικό). DOI: [10.1002/adma.19970090806](https://doi.org/10.1002/adma.19970090806)
42. G. M. Tsivgoulis, and J.-M. Lehn*, Photoswitched Sexithiophenes; Towards Switchable Molecular Wires,
Advanced Materials, **1997**, 9, 39-42. DOI: [10.1002/adma.19970090107](https://doi.org/10.1002/adma.19970090107)
43. G. M. Tsivgoulis, and J.-M. Lehn*, Photoswitched and Functionalized Oligothiophenes: Synthesis, Photochemical and Electrochemical Properties,
Chemistry: a European Journal, **1996**, 2(11) 1399-1406. DOI: [10.1002/chem.19960021112](https://doi.org/10.1002/chem.19960021112)
44. J. Rogers, B.-Z. Yu, S. P. Serves, G. M. Tsivgoulis, D. N. Sotiropoulos, P. V. Ioannou* and M. K. Jain*, Kinetic Basis for the Substrate Specificity during Hydrolysis of Phospholipids by Secreted Phospholipase A₂,
Biochemistry, **1996**, 35(29), 9375-9384. DOI: [10.1021/bi960526p](https://doi.org/10.1021/bi960526p)
45. G. M. Tsivgoulis, and J.-M. Lehn*, Photonic Molecular Devices: Reversibly Photoswitchable Fluorophores for Nondestructive Readout for Optical Memory
Angewandte Chemie International Edition English, **1995**, 34(10), 1119-1122. DOI: [10.1002/anie.199511191](https://doi.org/10.1002/anie.199511191)
46. G. M. Tsivgoulis, D. S. Anagnostopoulos and P. V. Ioannou*, Nephelometric Determination of the Tetrabutylammonium Cations,
Chimika Chronika, New Series, **1993**, 22, 55-63.

47. S. P. Serves, G. M. Tsivgoulis, D. N. Sotiropoulos, P. V. Ioannou* and M. K. Jain*, Synthesis of (R) and (S) 1-2-Diacyloxypropyl-3-arsonic Acids: Optically active arsonolipids, *Phosphorus, Sulfur, and Silicon*, **1992**, 71, 99-105. DOI: [10.1080/10426509208034501](https://doi.org/10.1080/10426509208034501)
48. G. M. Tsivgoulis, and P. V. Ioannou*, The ternary system Arsenious Acid-n- tetrabutyl-ammonium Hydroxide-Water at +4 °C, *Chimika Chronika, New Series*, **1991**, 20, 59-64.
49. G. M. Tsivgoulis, D. N. Sotiropoulos and P. V. Ioannou*, rac- (1,2- Diacyloxypropyl-3-Arsonic Acids: Arsonolipid Analogues of Phosphonolipids), *Phosphorus, Sulfur, and Silicon*, **1991**, 63, 329-334. DOI: [10.1080/10426509108036837](https://doi.org/10.1080/10426509108036837)
50. G. M. Tsivgoulis, D. N. Sotiropoulos and P. V. Ioannou*, Decomposition of Alkylarsonic Acids by Acylating Agents, *Phosphorus, Sulfur, and Silicon*, **1991**, 55, 165-168. DOI: [10.1080/10426509108045936](https://doi.org/10.1080/10426509108045936)
51. G. M. Tsivgoulis, D. N. Sotiropoulos and P. V. Ioannou*, 1,2- Dihydroxypropyl-3-Arsonic Acid: a Key Intermediate for Arsonolipids, *Phosphorus, Sulfur, and Silicon*, **1991**, 57, 189-193. DOI: [10.1080/10426509108038849](https://doi.org/10.1080/10426509108038849)

PEER REVIEWED CONFERENCE PROCEEDINGS PUBLICATIONS

52. G. Kordopati, H. Tzoupis, A. N. Trogkanis, G. M. Tsivgoulis, S. Golic Grdadolnik, T. Tselios, NMR and Molecular Dynamics conformational analysis of Proteolipid Protein (PLP) peptide analogues, *Journal of Peptide Science*, **2016**, 22, S132-S132. DOI: [10.1002/psc.2950](https://doi.org/10.1002/psc.2950)
53. G. Kordopati, T. Tselios, T. Kellici, F. Merzel, T. Mavromoustakos, S. Golic Grdadolnik, G. Tsivgoulis, Design and synthesis of Luteinizing Hormone Releasing Hormone analogue conjugated with cyclodextrin, *Journal of Peptide Science*, **2014**, 20, S181-S181. DOI: [10.1002/psc.2688](https://doi.org/10.1002/psc.2688)

PUBLICATION – AWARD / Marie Curie (MCF Annals)

54. G. M. Tsivgoulis, New Photochromic Compounds, *MCF Annals*, Vol. I, 2000 p. 8

ABSTRACTS IN GREEK JOURNALS

- A. K.Falida and G. M. Tsivgoulis, Synthetic Methodologies for an Amino-derivatization of Aflatoxins such as AFM1 and AFB1, *Review of Clinical Pharmacology and Pharmacokinetics*, **2014**, 28(1),36.
- B. G. Kordopati, T. Tselios, T. Mavromoustakos, S. Golic-Grdadolnik, and G. Tsivgoulis, Synthesis and 2D NMR Studies of a -Cyclodextrin/LHRH Analogue Conjugate, *Review of Clinical Pharmacology and Pharmacokinetics*, **2013**, 27(2),81.
- C. N. Kyritsis and G. M. Tsivgoulis, Photochromic Molecules in Biological Systems, *Review of Clinical Pharmacology and Pharmacokinetics*, **2007**, 21(2), 140.
- D. S. Zachariadou, N. Kyritsis and G. M. Tsivgoulis, Photochromic Biomimetic Systems, *Review of Clinical Pharmacology and Pharmacokinetics*, **2007**, 21(2), 129.
- E. N. Kyritsis, E. Petridou, and G. M. Tsivgoulis, Synthesis of Cyclodextrin-Crown Ether Biomimetic Systems, *Review of Clinical Pharmacology and Pharmacokinetics*, **2006**, 20(3), 405.

PATENTS

J. Biteau, F. Chaput, J.-P. Boilot, J. Peretti, V. Savarof, Y. Levy, B. Darracq, G. Tsivgoulis, J.-M. Lehn, Fr. 2774998 A1 20 Aug 1999, 26pp., France., Ophthalmic lens photochromic material with stable changes of refractive index and /or birefringence, PATENT: CA section 63 (Pharmaceuticals)