

## PROUSIS C. KYRIAKOS

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### Education

**2009:** PhD in Organic Chemistry – National Technical University of Athens (NTUA), School of Chemical Engineering. Supervisor: Prof. Olga Igglessi-Markopoulou

Thesis: 'Design and Synthesis of Bioactive Heterocyclic Compounds in Solid and Solution Phase: Application in Natural Products Synthesis.'

**2002:** B. Sc. Chemistry, Department of Chemistry, National and Kapodistrian University of Athens, Athens, Greece.

### Appointments

**2018:** Associate Researcher at the Institute of Biology, Medicinal Chemistry and Biotechnology of the National Hellenic Research Foundation, Athens (IBMCB-NHRF)

**7/2013 – 04/2018:** Postdoctoral researcher, Institute of Biology, Medicinal Chemistry and Biotechnology, National Hellenic Research Foundation (IBMCB-NHRF).

**6/2013 – 5/2015:** Postdoctoral researcher, Department of Pharmacognosy and Natural Product Chemistry of the Faculty of Pharmacy, University of Athens.

**9/2011 – 5/2013:** Postdoctoral researcher, Institute of Biology, Medicinal Chemistry and Biotechnology, National Hellenic Research Foundation (IBMCB-NHRF).

**3/2011 – 7/2011:** Postdoctoral researcher, Mediterranean Agronomic Institute of Chania, Crete.

**2/2009 – 12/2010 and 2/2010 – 1/2011:** Postdoctoral researcher, Institute of Organic and Pharmaceutical Chemistry, National Hellenic Research Foundation (IOPC-NHRF).

**1/2009 – 8/2009:** Postdoctoral researcher, Laboratory of Organic Chemistry, School of Chemical Engineering, National Technical University of Athens – NTUA.

### Fellowships / Awards

**2010 – 2011:** Post-doctoral Scholarship by the State Scholarships Foundation.

**2003 – 2006:** Doctoral Scholarship-Prize by the A. G. Leventis Foundation, France, Laboratory of Organic Chemistry, School of Chemical Engineering, national Technical University of Athens – NTUA

**2006 – 2008:** Doctoral Scholarship-Prize by the Research Committee, Laboratory of Organic Chemistry, School of Chemical Engineering, national Technical University of Athens – NTUA.

### **Current Research Interests**

- Design and synthesis of NIR-fluorescent dyes and probes for bio-imaging applications including cancer theranostics.
- Design and synthesis of novel neuroprotective and neuroregenerative neurosteroid analogues mimicking neurotrophin activity.
- Design and synthesis of ether phospholipids with antiprotozoal activity (anti-Leishmanial activity, against *T. Brucei* and *T. Cruzi*).
- Design and synthesis of heterocyclic compounds with potential pharmacological profile.

### **Teaching Experience**

**2003 – 2008:** Teaching of the Laboratory Course 'Nuclear Magnetic Resonance-NMR', 2<sup>nd</sup> year undergraduate students, School of Chemical Engineering, national Technical University of Athens – NTUA.

**2003 – 2008:** Teaching and training of 2<sup>nd</sup> year undergraduate students, Course of "Organic Chemistry I". School of Chemical Engineering, national Technical University of Athens – NTUA.

**2003 – 2004:** Teaching and training of 2<sup>nd</sup> year undergraduate students, Course of "Organic Chemistry II". School of Chemical Engineering, national Technical University of Athens – NTUA.

**2006:** Teaching and of Postgraduate Students, MSc Programme 'Materials, Science and Technology', Course of Nuclear Magnetic Resonance –NMR, . School of Chemical Engineering, national Technical University of Athens – NTUA.

**2013:** Invited lecturer for teaching the course of Organic Chemistry, Mediterranean Agronomic Institute of Chania, Grete.

### **Member of Advisory Committee of PhD Theses**

**2018:** Olga Kirkilessi – **ongoing** (supervisor: Dr T. Calogeropoulou)

**2018:** Alessia Ladorrata – **ongoing** (in the context of EuroNeurotrophin, supervisor: Dr T. Calogeropoulou)

**2018:** Daniele Narducci – **ongoing** (in the context of EuroNeurotrophin, supervisor: Dr T. Calogeropoulou)

### **Organizing Committee membership**

**2012:** Member of the organizing committee, COST CM0801 4<sup>th</sup> Annual Meeting, Kolymvari Greece.

### **Participation in National Funded Research Projects**

- GSRT Infrastructures program, **Bioimaging–GR:** 'A Greek Research Infrastructure for Visualizing and Monitoring Fundamental Biological Processes' (Participating Researcher)

### **Participation in EU Funded Research Projects**

- **H2020-MSCA-ITN-2017, EuroNeurotrophin:** 'A European training network for the discovery of neurotrophins small molecule mimetics as potential therapeutic agents for neurodegeneration and neuroinflammation' GA: N<sup>o</sup> 765704 (Participating Researcher)

### **Publications in Peer Reviewed Scientific Journals**

1. "A Novel Access to 2-Amino Furanones via Cyclization of Functionalized  $\gamma$ -Hydroxy- $\alpha,\beta$ -butenoates Derived from *N*-Hydroxybenzotriazole Esters of  $\alpha$ -Hydroxy Acids" G. Athanasellis, A. Detsi, **K. Prousis**, O. Igglessi-Markopoulou, J. Markopoulos. *Synthesis* **2003**, 1, 2015-2022. (IF: 2.650, times cited 9)
2. "Solid phase synthesis of substituted 2-aminopyrrolin-4-ones via the spontaneous postcleavage cyclization" A. Detsi, P. Emirtzoglou, **K. Prousis**, V. Skouridou, O. Igglessi-Markopoulou; *Synlett* **2004**, 2, 353-355. (IF: 2.151, times cited 5)
3. "A Novel Traceless Solid Phase Approach to Functionalized Tetramic Acids and 2-Amino-4-pyrrolinones" **K. C. Prousis**, A. Detsi, O. Igglessi-Markopoulou ; *Synlett* **2005**, 18, 2763-2766. (IF: 2.151, times cited 8)
4. "A novel synthetic approach to the thiotetronic ring system, the key intermediate for thiolactomycin analogues" S. Kikionis, **K. C. Prousis**, A. Detsi, O. Igglessi-Markopoulou; *ARKIVOC* **2006** (xii) 1-10. (IF: 1.031, times cited 4)

5. "Design and Synthesis of Novel Quinolinone-3-aminocarboxamides and their  $\alpha$ -Lipoic Acid Adducts as Antioxidant and Antiinflammatory Agents." A. Detsi, D. Bouloumbasi, **K. C. Prousis**, M. Koufaki, G. Athanasellis, G. Melagraki, A. Afantitis, O. Igglessi-Markopoulou, C. Kontogiorgis, D. Hadjipavlou-Litina; *J. Med. Chem.* **2007**, *50*, 2450-2458. (IF: 6.259, times cited 63)
6. "Solid-Phase Synthesis of Optically Active Substituted 2-Aminofuranones Using an Activated Carbonate Linker" D. Matiadis, **K. C. Prousis**, O. Igglessi-Markopoulou; *Molecules* 2009, *14*, 3914-3921. (IF: 2.861, times cited 7)
7. "Efficient construction of functionalized 5-Carboxymethyl Tetramic Acids using N-Ac-L-aspartic Anhydride as Chiral Building Block" **K. C. Prousis**, J. Markopoulos, V. Mckee, O. Igglessi-Markopoulou; *Tetrahedron*, **2010**, *66*, 3944-3950. (IF: 2.651, times cited 6)
8. "Design and synthesis of new adamantyl-substituted antileishmanial ether phospholipids." I. Papanastasiou, **K. C. Prousis**, K. Georgikopoulou, T. Pavlidis, E. Scoulica, N. Kolocouris, T. Calogeropoulou; *Bioorg. Med. Chem. Lett.*, **2010**, *20*, 5484-5487. (IF: 2.454, times cited 14)
9. "Synthesis and crystal structure characterization of zinc (II) tetronic acid complexes" **K. C. Prousis**, G. Athanasellis, V. Stefanou, D. Matiadis, E. Kokalari, O. Igglessi-Markopoulou, V. Mc Kee, J. Markopoulos; *Bioinorg. Chem. Appl.*, **2010**, Art. ID 651652, 7 pages doi:10.1155/2010/651652. (IF: 1.974, times cited 3)
10. "Three step solid-phase synthesis of functionalized tetronic acids using an activated carbonate linker" D. Matiadis, **K. C. Prousis**, O. Igglessi-Markopoulou; *Synth. Commun.*, **2013**, *43*, 392-397. (IF: 1.134, times cited 0)
11. "Effect of alkylphospholipids on Candida albicans biofilm formation and maturation" T. V. M. Vila, K. Ishida, W. de Souza, **K. C. Prousis**, T. Calogeropoulou, S. Rozental; *J. Antimicrob. Chemother.* **2013**, *68*, 113-125. (IF: 5.071, times cited 29)
12. "Reactivity of 2-methyl-4*H*-3,1-benzoxazin-4-ones and 2-methyl-4*H*-pyrido[2,3-d][1,3]oxazin-4-one under Microwave Irradiation Conditions" **K. C. Prousis**, A. Tzani, N. Avlonitis, T. Calogeropoulou, A. Detsi; *J. Het. Chem* **2013**, *50*, 1313-1321. (IF: 0.893, times cited 3)
13. "Steroidal Cardiac Na<sup>+</sup>/K<sup>+</sup> ATPase Inhibitors Exhibit Strong Anti-Cancer Potential in Vitro and in Prostate and Lung Cancer Xenografts in Vivo" K. Dimas, N. Papadopoulou, C. Baskakis, **K. C. Prousis**, M. Tsakos, S. Alkahtani, S. Honisch, F. Lang, T. Calogeropoulou, K. Alevizopoulos, C. Stournaras; *Anticancer Agents Med. Chem.*, **2014**, *14*, 762-770. (IF: 2.598, times cited 11)
14. "FeCl<sub>3</sub>-catalysed ultrasonic-assisted, solvent-free synthesis of 4-substituted coumarins. A useful complement to the Pechmann reaction" **K. C. Prousis**, N.

- Avlonitis, G. A. Heropoulos, T. Calogeropoulou; *Ultrason. Sonochem.* **2014**, *21*, 3, 937-942. (IF: 4.218, times cited 11)
15. "A steroidal Na<sup>+</sup>/K<sup>+</sup> ATPase inhibitor triggers pro-apoptotic signaling and induces apoptosis in prostate and lung tumor cells" S. Honisch, S. Alkahtani, K. Michalis, L. Guilai, A. Saud A., Al-V. Hamad, K. Dimas, A. Abdullah A., **K. C. Prousis**, Al-D. Bader, T. Calogeropoulou, K. Alevizopoulos, F. Lang, C. Stournaras; *Anticancer Agents Med. Chem.*, **2014**, *14*, 1161-1168. (IF: 2.598, times cited 7)
16. "Design and synthesis of 21-alkynylaryl pregnenolone derivatives and evaluation of their anticancer activity" G. Szalóki, A. Pantzou, **K. C. Prousis**, O. Mavrofrydi, P. Papazafiri, T. Calogeropoulou; *Bioorg. Med. Chem.*, **2014**, *22*, 6980-6988. (IF: 2.930, times cited 4)
17. "An efficient synthetic approach towards fully functionalized tetronic acids: the use of 1,3-dioxolane-2,4-diones as novel protected-activated synthons of  $\alpha$ -hydroxy acids" **K. C. Prousis**, J. Markopoulos, V. Mckee, O. Igglessi-Markopoulou; *Tetrahedron*, **2015**, *66*, 8637-8648. (IF: 2.651, times cited 3)
18. "Identification of Novel Chemical Scaffolds Inhibiting Trypanothione Synthetase from Pathogenic Trypanosomatids" D. Benítez, A. Medeiros, L. Fiestas, E. A. P. Zenere, F. Maiwald, **K. C. Prousis**, M. Roussaki, T. Calogeropoulou, A. Detsi, T. Jaeger, J. Šarlauskas, L. P. Mašič, C. Kunick, G. R. Labadie, L. Flohé, M. A. Comini; *PLOS Negl. Trop. Dis.* **2016**, *10*(4): e0004617. (IF: 3.834, times cited 5)
19. "Selective and differential interactions of BNN27, a novel C17-spiroepoxy steroid derivative, with TrkA receptors, regulating neuronal survival and differentiation" I. Pediaditakis, P. Efstathopoulos, **K. C. Prousis**, M. Zervou, J. C. Arévalo, V. I. Alexaki, V. Nikolettou, E. Karagianni, C. Potamitis, N. Tavernarakis, T. Chavakis, A. N. Margioris, M. Venihaki, T. Calogeropoulou, I. Charalampopoulos, A. Gravanis; *Neuropharmacology* **2016**, *111*, 266-282. (IF: 5.012, times cited 4)
20. "Functional characterization and anti-cancer action of the clinical phase II cardiac Na<sup>+</sup>/K<sup>+</sup> ATPase inhibitor istaroxime: *in vitro* and *in vivo* properties and cross talk with the membrane androgen receptor" K. Alevizopoulos, K. Dimas, N. Papadopoulou, E.-M. Schmidt, A. Tsapara, S. Alkahtani, S. Honisch, **K. C. Prousis**, S. Alarifi, T. Calogeropoulou, F. Lang, C. Stournaras; *Oncotarget* **2016**, *7*, 24415-24428. (IF: 5.168, times cited 3)
21. "BNN27, a 17-Spiroepoxy Steroid Derivative, Interacts With and Activates p75 Neurotrophin Receptor, Rescuing Cerebellar Granule Neurons from Apoptosis" I. Pediaditakis, A. Kourgiantaki, **K. C. Prousis**, C. Potamitis, K. P. Xanthopoulos, M. Zervou, T. Calogeropoulou, I. Charalampopoulos, A. Gravanis; *Front Pharmacol.* **2016**, *7*, article 512, 1-14. (IF: 4.400, times cited 1)
22. "Accelerating Drug Discovery Efforts for Trypanosomatidic Infections Using an Integrated Transnational Academic Drug Discovery Platform" C. B. Moraes, G. Witt, M. Kuzikov, B. Ellinger, T. Calogeropoulou, **K. C. Prousis**, S. Mangani, F.

Di Pisa, G. Landi, L. D. Iacono, C. Pozzi, L. H. Freitas-Junior, B. S. Pascoalino, C. P. Bertolacini, B. Behrens, O. Keminer, J. Leu, M. Wolf, J. Reinshagen, A. Cordeiro-da-Silva, N. Santarem, A. Venturelli, S. Wrigley, D. Karunakaran, B. Kebede, I. Pöhner, W. Müller, J. Panecka-Hofman, R. C. Wade, M. Fenske, J. Clos, J. M. Alunda, M. Jesús Corral, E. Uliassi, M. L. Bolognesi, P. Linciano, A. Quotadamo, S. Ferrari, M. Santucci, C. Borsari, M.P. Costi, and S. Gul; ***SLAS Discov.* 2019 24(3)**, 346-361

## Patents

1. Bio-inspired activators of proteasome with antiageing activity. **PCT/GR 2019/000018**.

## Oral Presentations

1. **Kyriakos C. Prousis**, Olga Igglessi-Markopoulou\*. "A Short Synthetic Approach on Substituted Tetramic Acids via N-Substituted aspartic acid anhydrides" 12<sup>th</sup> Hellenic Symposium on Pharmaceutical Chemistry, 27 – 28 January 2006, Patras, Greece.
2. **Kyriakos C. Prousis**, Ioannis Charalampopoulos, Achilleas Gravanis, Theodora Calogeropoulou. "New 17-Spiro-substituted Neurosteroid Derivatives with Antiapoptotic and Neurotrophic effects". Final Meeting of the 'Arcade' European project Athens, 21<sup>st</sup> of May 2013.
3. **Kyriakos C. Prousis**, Pantelis Afroudakis, P. Zoumpoulakis, M. Zervou, Theodora Calogeropoulou. "Synthesis of ether phospholipids and labeled derivatives". Consortium Meeting 2 in the context of European project NMTRypI (*New Medicines for Trypanosomatidic Infections*) 18<sup>th</sup> of September 2014.

## Presentations in international conferences and symposia

1. "A Novel Solid Phase Synthesis of Tetramic Acids via Carbamate Type Resin" **K. C. Prousis**, O. Igglessi-Markopoulou.. 1<sup>o</sup> Hellenic Symposium on Organic Chemistry. Nov. 2004, Athens, Greece.
2. "A Novel Traceless Solid Phase Approach to Functionalized Tetramic Acids and 2-Amino-4-pyrrolinones" **K. C. Prousis**, A. Detsi, O. Igglessi-Markopoulou. 6<sup>th</sup> Tetrahedron Symposium 'Challenges in organic chemistry' 29 June – 1 July 2005, Bordeaux, France.
3. "A Traceless Solid Phase Synthetic Route to Functionalized 4-Hydroxy-Coumarins" **K. C. Prousis**, Matiadis D., Detsi A., Markopoulos J., Igglessi - Markopoulou O. 1<sup>st</sup> European Chemistry Congress 27 – 31 Aug 2006, Budapest, Hungary.

4. "Novel synthetic approach to thiolactomycin analogues with potential antiparasitic activity" S. Kikionis, **K. C. Prousis**, A. Detsi, O. Igglessi-Markopoulou, 3<sup>rd</sup> COST B22 Annual Congress, Athens, Greece, October 2006, Abstracts p. 110.
5. "Solid phase synthesis of substituted tetronic acids and 2-aminofuranones" D. Matiadis, **K. C. Prousis**, A. Detsi, J. Markopoulos, O. Igglessi-Markopoulou, 1<sup>st</sup> European Chemistry Congress 27 – 31 Aug 2006, Budapest, Hungary.
6. "Development of a solid phase approach for the synthesis of functionalized 4-hydroxy-quinolinone derivatives: novel agents possessing antiparasitic activity" **K. C. Prousis**, A. Detsi, J. Markopoulos, O. Igglessi-Markopoulou, COST Action B22 Congress, Drug Development for Parasitic Diseases, 1-4 October 2006, National Hellenic Research Foundation, Athens.
7. "Synthesis of substituted N-methyl-tetramic acids through an enantioselective synthetic procedure" **K. C. Prousis**, A. Detsi, O. Igglessi-Markopoulou. 2<sup>nd</sup> Hellenic Symposium: Organic Synthesis from Chemistry to Biology, Medicine and Material Sciences, 19-21 April 2007 Athens.
8. "N-Substituted aspartic acid anhydrides as precursors for the synthesis of functionalized tetramic acids" **K. C. Prousis**, A. Detsi, O. Igglessi-Markopoulou. 2<sup>nd</sup> Hellenic Symposium: Organic Synthesis from Chemistry to Biology, Medicine and Material Sciences, 19-21 April 2007 Athens.
9. "Development of a New Concise Enantioselective Synthesis of Highly Functionalized N-Methyl-Tetramic Acids Analogues" **K. C. Prousis**, O. Igglessi-Markopoulou\*. 15<sup>th</sup> European Symposium on Organic Chemistry (ESOC 2007), 13 - 18 July 2007, Dublin, Ireland.
10. "Synthetic approaches towards privileged heterocyclic scaffolds with potential antiparasitic activity" A. Detsi, **K. C. Prousis**, S. Hamilakis, M. Roussaki, 1st Joint Expert Meeting between Working Groups 1 and 3 of the COST Action CM0801, 29-31 May 2009, Bulgaria, Abstracts p.15.
11. "NMR, FT-IR and LC-MS Spectroscopic studies of novel chalcones and aurones: the effect of substituents" A. Detsi, **K. C. Prousis**, P. Kefalas, 6<sup>th</sup> International Conference "Instrumental Methods of Analysis - Modern Trends and Applications" (IMA2009), 4-8 October 2009, Athens, Greece, Abstracts p.200.
12. "Antioxidant properties of novel quinolinone-3-carboxamides investigated by spectrophotometric and electrochemical techniques" A. Detsi, F. Tsopelas, **K. C. Prousis**, C. Kontogiorgis, D. Hadjipavlou-Litina, Th. Lymperopoulou, K. Mpalta, M. Ochsenkühn-Petropoulou. 6<sup>th</sup> International Conference "Instrumental Methods of Analysis - Modern Trends and Applications" (IMA2009), 4-8 October 2009, Athens, Greece, Abstracts p.198.

13. "Reactivity of 4H-3,1-benzoxazin-4-ones under Microwave Irradiation Conditions" **K. C. Prousis**, N. Avlonitis, A. Detsi. 3<sup>rd</sup> Hellenic Symposium on Organic Synthesis, From Chemistry to Biology, Medicine and Materials Science, 15-17 October 2009, Athens, Greece, Abstracts p.77.
14. "Development of new methodology for the generation of libraries of bioactive phosphorous containing compounds on solid support" N. Avlonitis, A. Blarue, A. Pantzou, **K. C. Prousis**, P. Milnes, B. Steele, M. Micha-Screttas, G. Heropoulos, T. Calogeropoulou. 3<sup>rd</sup> Hellenic Symposium on Organic Synthesis, From Chemistry to Biology, Medicine and Materials Science, 15-17 October 2009, Athens, Greece, Abstracts p.90.
15. "Privileged Heterocyclic Scaffolds with Antioxidant and Lipoygenase Inhibitory Activity. Synthesis, in vitro biological evaluation and in silico docking studies of 4-Hydroxy-2-quinolinone-3-carboxamides" A. Detsi, **K. C. Prousis**, C. A. Kontogiorgis, E. A. Pontiki, M. Zervou, P. Zoumpoulakis, C. Potamitis, D. Hadjipavlou-Litina. 14<sup>th</sup> Hellenic Symposium on Medicinal Chemistry, 23-25 April 2010, Thessaloniki, Greece, Abstracts p. 78.
16. "Microwave-assisted synthesis of substituted coumarins via FeCl<sub>3</sub>-catalyzed Pechmann condensation under solvent free conditions" **K. C. Prousis**, N. Avlonitis, T. Calogeropoulou. 14<sup>th</sup> Hellenic Symposium on Medicinal Chemistry, 23-25 April 2010, Thessaloniki, Greece, Abstracts p. 166.
17. "Novel Quinolinylnyl Chalcones with Antiparasitic Activity against Trypanosoma brucei" M. Roussaki, **K. C. Prousis**, S. Hamilakis, B. Hall, S. Wilkinson, A. Detsi. 14<sup>th</sup> Hellenic Symposium on Medicinal Chemistry, 23-25 April 2010, Thessaloniki, Greece, Abstracts p. 112.
18. "Synthesis, Characterization and X-Ray Crystallographic Investigation of Zn(II)  $\beta$ -Diketo Tetronic Acid Complexes" V. Stefanou, **K. C. Prousis**, J. Markopoulos, O. Igglessi-Markopoulou. 10<sup>th</sup> European Biological Inorganic Chemistry Conference, June 2010, Thessaloniki, Greece.
19. "In silico binding studies of novel quinolinone-3-carboxamides: an effort to elucidate their anti-inflammatory profile". M. Zervou, P. Zoumpoulakis, C. Potamitis, **K. C. Prousis**, A. Detsi, 18th European Symposium on Quantitative Structure – Activity Relationships "Discovery Informatics & Drug Design", 19-24 September 2010, Rhodes-Greece, Abstracts p.231.)
20. "Novel antiparasitic agents based on the quinolinone heterocyclic scaffold" **K. Prousis**, M. Roussaki, B. Hall, S. Wilkinson, S. Costa Lima, A. Cordeiro da Silva, A. Detsi, 12th Drug Design & Development Seminar (DDDS) of the DGP Joint meeting with COST Action CM0801 and SFB 544, 17-19 March 2011, Heidelberg, Germany.



21. "Synthesis and biological evaluation of 17-spiro-substituted DHEA derivatives with neuroprotective activity" **K. C. Prousis**, I. Charalampopoulos, A. Gravanis, T. Calogeropoulou. International Conference on Chemistry for Health, Athens, 9-14 September 2012.
22. "Design and synthesis of 1,4,5-trisubstituted-3-hydroxy-dihydropyrroles as potential leads in the search of Trypanothione synthetase inhibitors" **K. C. Prousis**, M. Roussaki, D. Benitez, M. Comini, T. Calogeropoulou, A. Detsi. COST CM0801 4<sup>th</sup> Annual Meeting, Kolympvari, 19-21 September 2012.
23. "Design and Synthesis of 5,7,8-Trimethyl-1,4-Benzoxazine Derivatives Active Against *Toxoplasma gondii*" **K. C. Prousis**, E.N. Koini, E. S. Martins-Duarte, W. de Souza, R.C. Vommaro, T. Calogeropoulou. 15<sup>th</sup> Hellenic Symposium of Medicinal Chemistry, Athens, May 2012.
24. "A Novel Synthetic Approach Towards Fully Functionalized Optically Active Tetrionic Acids" **K. C. Prousis**, J. Markopoulos, V. Mckee, O. Igglessi-Markopoulou. 14<sup>th</sup> Tetrahedron Symposium, Austria 25-28 June 2013.
25. "17-Spiro-dehydroepiandrosterone derivatives as small molecule mimetics of neurotrophins" **K. C. Prousis**, Marileta Grozi, Olga Kirkilesi, Maria Zervou, Constantinos Potamitis, Iosif Pediaditakis, Ioannis Charalampopoulos, Achille Gravanis Theodora Calogeropoulou\* EFMC-ISMCM 2016 Manchester, UK, August 28 - September 1, 2016.
26. "Antileishmanial Dinitroaniline - Ether Phospholipid Hybrids" M. Roussaki, **K. C. Prousis**, P. Afroudakis, T. Fotopoulou, A. Cordeiro-da Silva, S. Gul, E. Bifeld, J. Eick, Paloma T. Nevado, J. Clos, T. Calogeropoulou. EFMC-ISMCM 2016 Manchester, UK, August 28 - September 1, 2016.
27. "Design and Synthesis of Heteroaryl-Substituted Ether Phospholipids Possessing Antiparasitic Activity" Theano Fotopoulou, Pantelis Afroudakis, **K. C. Prousis**, M. Roussaki, C. Borsari, A. Cordeiro-da Silva, N. Santarem, S. Macedo, S. Gul, E. Bifeld, J. Eick, P. T. Nevado, J. Clos, M. P. Costi, T. Calogeropoulou\*. EFMC-ISMCM 2016 Manchester, UK, August 28 - September 1, 2016.
28. "Σχεδιασμός και σύνθεση νέων χρωστικών εγγυς υπερύθρου και εφαρμογές τους στην τροποποίηση γραφενίου" **Κ. Προυσις**, Γ. Παγώνα, R. Canton-Vitoria, M. Γουλιελμάκη, Β. Ζουμπουρλής, Ν. Ταγματάρχης, Θ. Καλογεροπούλου\*; 3<sup>ο</sup> συνέδριο Ε.ΛΕ.ΦΙ. "Βιοϊατρική Έρευνα – Στοιχεύοντας στην καινοτομία", Αθήνα, 16 – 17 Ιουνίου, 2017.
29. "Functionalization of graphene with cyanine dyes" R. Canton-Vitoria, **K. C. Prousis**, T. Calogeropoulou and N. Tagmatarchis; NANOTEC17 Nantes, France, August 30 - September 2, 2017.

30. "Development of new antifouling agents derived from the red alga *Sphaerococcus coronopifolius*" **K. Prousis**, E. Ioannou, T. Calogeropoulou, V. Roussis. *11<sup>o</sup> Πανελλήνιο Συμπόσιο Ωκεανογραφίας και Αλιείας*, Μυτιλήνη, 14-17/05/2015 (προφορική ανακοίνωση από τον Β. Ρούσση).
31. "Preparation of semisynthetic derivatives of bromosphaerol and evaluation of their antifouling activity" **K. Prousis**, E. Ioannou, T. Calogeropoulou, S. Morgana, V. Piazza, M. Faimali, M. Protopapa, S. Dedos, G. Verriopoulos, V. Roussis. *9<sup>th</sup> European Conference on Marine Natural Products*, Glasgow, Scotland, 30/08–2/09/2015.
32. "Synthetic modifications of bromosphaerol and evaluation of the antifouling activity of the derivatives" **K. Prousis**, E. Ioannou, T. Calogeropoulou, S. Morgana, V. Piazza, M. Faimali, M. Protopapa, S. Dedos, G. Verriopoulos, V. Roussis. *10<sup>th</sup> European Conference on Marine Natural Products*, Kolymbari, Crete, Greece, 3-7/09/2017.