

CURRICULUM VITAE

Ioakim Spiliopoulos

Professor

Personal Information

Last name : SPILIOPOULOS

First name : IOAKIM

Address: Department of Food Science and Technology, University of the Peloponnese, Kalamata, 24100, Greece

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Foreign Languages English

ORCID ID 0000-0002-3850-6192

Educational Qualifications

B. Sc. in Chemistry, University of Patras, Greece, 1994

Ph. D. in Chemistry, University of Patras, Greece, 1998

Grants

Postdoctoral scholar, Hellenic State Scholarships Foundation, 2001-2002

Professional experience

- Professor Department of Food Science and Technology, University of the Peloponnese, Greece, 2023-now (Organic Chemistry Synthetic Macromolecules)
- Associate Professor Department of Food Science and Technology, University of the Peloponnese, Greece, 2019-2023 (Organic Chemistry Synthetic Macromolecules)
- Associate Professor Department of Food Technology, Technological Educational Institute of Peloponnese, Greece, 2017-2019 (Organic Chemistry Synthetic Macromolecules)
- Assistant Professor Department of Food Technology, Technological Educational Institute of Peloponnese, Greece, 2013-2017
- Lecturer, Department of Food Technology, Technological Educational Institute of Kalamata, Greece, 2005-2013
- Part time Lecturer, Department of Aquaculture and Fisheries, Technological Educational Institute (TEI) of Messolonghi, Greece, 2004-2005
- Part time Lecturer, Department of Chemistry, University of Patras, Greece, 2000-2003
- Postdoctoral researcher Department of Chemistry, University of Patras, Greece, 2000-2003

Peer Reviewed Publications

1. **“Modified polyisophthalamides bearing pendent benzoylamino and/or (phenylamino)carbonyl groups.”**

I. K. Spiliopoulos and J. A. Mikroyannidis*

J. Polym. Sci. Part A: Polym. Chem. 34, 1685, 1996

2. "Synthesis and properties of polyterephthalamides with ester pendent groups."

I. K. Spiliopoulos and J. A. Mikroyannidis*

J. Polym. Sci. Part A: Polym. Chem. 34, 1703, 1996

3. "Aromatic polyamides and polyimides bearing bulky ether pendent groups derived from 1-aryloxy-2,4-diaminobenzenes."

I. K. Spiliopoulos and J. A. Mikroyannidis*

Polymer 37, 3331, 1996

4. "Unsaturated polyamides and polyesters prepared from 1,4-bis(2-carboxyninyl)benzene and 4-hydroxycinnamic acid."

I. K. Spiliopoulos and J. A. Mikroyannidis*

J. Polym. Sci. Part A: Polym. Chem. 34, 2799, 1996

5. "Synthesis of poly(enaryloxynitrile)s containing styrylpyridine segments."

I. K. Spiliopoulos and J. A. Mikroyannidis*

Polymer 38, 1731, 1997

6. "Crosslinkable polyesters containing styrylpyridine segments."

I. K. Spiliopoulos and J. A. Mikroyannidis*

J. Appl. Polym. Sci. 64, 1135, 1997

7. "Soluble, rigid-rod polyamide, polyimides and polyazomethine with phenyl pendent groups derived from 4,4''-diamino-3,5,3'',5''-tetraphenyl-p-terphenyl."

I. K. Spiliopoulos and J. A. Mikroyannidis*

Macromolecules 29, 5313, 1996

8. "Rigid-rod polyamides and polyimides prepared from 4,3'-diamino-3,5-diphenyl-biphenyl and 4-amino-4'-carboxy-3,5-diphenyl-biphenyl."

I. K. Spiliopoulos and J. A. Mikroyannidis*

Polymer 38, 2733, 1997

9. "Synthesis of soluble, blue-light-emitting rigid-rod polyamides and polyimides prepared from 2',6',3''',5'''-tetraphenyl or tetra(4-biphenyl)-4,4''''-diamino-p-quinquephenyl."

I. K. Spiliopoulos and J. A. Mikroyannidis*

Macromolecules 31, 515, 1998

10. "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'-biphenyl-p-terphenyl."

I. K. Spiliopoulos, J. A. Mikroyannidis* and G. M. Tsivgoulis

Macromolecules 31, 522, 1998

11. "Soluble phenyl- or alkoxyphenyl-substituted rigid-rod polyamides and polyimides containing m-terphenyls in the main chain."

I. K. Spiliopoulos and J. A. Mikroyannidis*

Macromolecules 31, 1236, 1998

12. "Poly(pyridinium salt)s with stilbene or distyrylbenzene chromophores."

I. K. Spiliopoulos and J. A. Mikroyannidis*

J. Polym. Sci. Part A: Polym. Chem., 39, 2454, 2001

13. ''Soluble and strongly photoluminescent polyethers with oligophenylene, p-phenylenevinylene- or p-phenyleneethynylene-based chromophores.''

I. K. Spiliopoulos* and J. A. Mikroyannidis,
Macromolecules, 34, 5711, **2001**

14. ''Intensity dependent nonlinear absorption of pyrylium chromophores''

M. Fakis, G. Tsigaridas, I. Polyzos, V. Giannetas, P. Persephonis*, I. Spiliopoulos and J. Mikroyannidis,
Chem. Phys. Lett., 342, 155, **2001**

15. ''Laser studies of two novel conjugated polymers in liquid and solid matrix. The effect of aggregates in the spontaneous and stimulated emission.''

M. Fakis, I. Polyzos, G. Tsigaridas, V. Giannetas, P. Persephonis*, I. Spiliopoulos and J. Mikroyannidis,
Phys. Rev. B, 65, 195203, **2002**

16. ''Blue light-emitting poly(phenylenevinylene)s with alkoxyphenyl substituents: synthesis and optical properties''

I. K. Spiliopoulos* and J. A. Mikroyannidis,
Macromolecules, 35, 2149, **2002**

17. 'Poly(phenylene ethynylene)s with alkoxyphenyl substituents'

I. K. Spiliopoulos* and J. A. Mikroyannidis,
J. Polym. Sci. Part A: Polym. Chem., 40, 1449, **2002**

18. ''Synthesis and optical properties of soluble polyethers containing oligophenylene in the main chain and p-styrylbenzene side groups''

I. K. Spiliopoulos and J. A. Mikroyannidis*
J. Polym. Sci. Part A: Polym. Chem., 40, 682, **2002**

19. ''Synthesis of poly(p-phenylene vinylene)- and poly(phenylene ethynylene)-based polymers containing p-terphenyl in the main chain with alkoxyphenyl side groups.''

I. K. Spiliopoulos and J. A. Mikroyannidis*
J. Polym. Sci. Part A: Polym. Chem., 40, 2591, **2002**

20. 'Blue light-emitting poly(p-phenylenevinylene) derivatives containing alternating conjugated segments and aliphatic spacers.'

J. G. Mpallas, I. K. Spiliopoulos, J. A. Mikroyannidis*
J. Polym. Sci. Part A: Polym. Chem. 41, 1091, **2003**

21. 'Synthesis of Methacrylic Monomers Bearing Stilbenoid Chromophore and Their Free-Radical Polymerization To Give Luminescent Polymers.'

I. K. Spiliopoulos; J. A. Mikroyannidis*
Macromolecules 35, 7254, **2002**

22. 'Synthesis, Photophysics, and Electroluminescence of Conjugated Poly(p-phenylenevinylene) Derivatives with 1,3,4-Oxadiazoles in the Backbone.'

Mikroyannidis, J. A*; Spiliopoulos, I. K.; Kasimis, T. S.; Kulkarni, A. P.; Jenekhe, S. A*
Macromolecules 36, 9295, **2003**

23. 'Synthesis and optical properties of poly(p-phenylenevinylene)s bearing tetraphenylthiophene or dibenzothiophene moieties along the main chain.'

J. A. Mikroyannidis*, I. K. Spiliopoulos, A. P. Kulkarni and S. A. Jenekhe

Synthetic Metals, 142, 113, 2004

24. 'Luminescent poly(phenylene vinylene) derivatives with m-terphenyl or 2,6-diphenylpyridine kinked segments along the main chain: Synthesis, characterization and stimulated emission.'

P. Karastatiris, J. A. Mikroyannidis, I. K. Spiliopoulos*, M. Fakis, P. Persephonis

J. Polym. Sci. Part A: Polym. Chem., 42, 2214, **2004**

25. 'New Poly(p-phenylenevinylene) Derivatives with Two Oxadiazole Rings Per Repeat Unit: Synthesis, Photophysical Properties, Electroluminescence, and Metal Ion Recognition'

J. A. Mikroyannidis*, I. K. Spiliopoulos, T. S. Kasimis, A.P. Kulkarni, S. A. Jenekhe*

J. Polym. Sci. Part A: Polym. Chem., 42, 2112, **2004**

26. Synthesis, characterization and photophysics of poly(p-phenylenevinylene)-type polymers bearing substituted 2H-imidazole rings in the backbone.

J.A. Mikroyannidis*; P.D. Vellis; P.I. Karastatiris; I.K. Spiliopoulos

Synthetic Metals 145, 87, **2004**

27. 'Synthesis and optical properties of novel blue-light-emitting poly(p-phenylene vinylene) derivatives with pendant oxadiazole or cyano groups.'

Mikroyannidis, John A.*; Spiliopoulos, Ioakim K

J. Pol. Sci., Part A: Pol. Chem. 42 1768, **2004**

28. Electro-optic characterization of two novel organic materials in thin polymeric films.

Anestopoulos, D.; Tsigaridas, G.; Persephonis, P.; Giannetas, V*.; Spiliopoulos, I.; Karastatiris, P.; Mikroyannidis, J.

Chemical Physics Letters 390, 98, **2004**

29. Synthesis, Photophysics, and Electroluminescence of New Quinoxaline-Containing Poly(p-phenylenevinylene)s.

Karastatiris, P.; Mikroyannidis, J. A.; Spiliopoulos, I. K.*; Kulkarni, A. P.; Jenekhe, S. A.*

Macromolecules 37, 7867 **2004**

30. Dual amplified spontaneous emission and laser action from a model oligo(phenylene vinylene): comparison with the corresponding polymer.

Fakis, M.; Polyzos, I.; Tsigaridas, G.; Giannetas, V.; Persephonis, P*.; Spiliopoulos, I.; Mikroyannidis, J.

Optical Materials 27, 503 **2005**

31. Photophysics, electrochemical Properties and electroluminescence of Poly(p-phenyleneninylene) derivatives with 1,3,5-triphenylbenzene or 2,4,6-triphenylpyridine segments along the backbone

Cimrova V*, Hlidkova H., Vyprachticky D., Karastatiris P., Spiliopoulos I., Mikroyannidis J.*

J. Polym. Sci. Part B: Polym. Phys. 44, 524, **2006**

32. Synthesis and optical properties of quinoxaline-containing poly(aryl ether)s

V.P. Barberis, J.A. Mikroyannidis, I.K. Spiliopoulos*

Synthetic Metals 157, 475, **2008**

33. Bipolar Poly(p-phenylene vinylene)s Bearing Electron-Donating Triphenylamine or Carbazole and Electron-Accepting Quinoxaline Moieties

Karastatiris P., Mikroyannidis J., Spiliopoulos I.*

J. Polym. Sci. Part A: Polym. Chem., 46, 2367, **2008**

34. Photophysical and electrochemical characterization of new poly(arylene vinylene) copolymers containing quinoline or bisquinoline segments

J. A. Mikroyannidis, M. Fakis, I. K. Spiliopoulos*

J. Polym. Sci. Part A: Polym. Chem., 47, 3370, **2009**

35. Optical and Electrochemical Properties of Polyfluorenes With Pyridine-Triphenylamine Bipolar Unit

Y. Sarigiannis and I. K. Spiliopoulos*

Polymer International 62, 196, **2013**

36. Optical, Electrochemical, and Sensing Properties of Polyfluorenes Bearing Thiazole or Oxazole and Triphenylamine in the Main Chain

Y. Sarigiannis and I. K. Spiliopoulos*

J. Polym. Sci. Part A: Polym. Chem., 55, 243, **2017**

37. Optical, electrochemical and sensing properties of polyfluorenes with imidazole in the main chain. A fluorescent chemosensor for detection of Fe²⁺ and Hg²⁺ ions

Ioakim K. Spiliopoulos

Polymer International, 68, 1033 **2019**

38. Comparison of on-vine and post-harvest ripening on antioxidant compounds and antioxidant activities of hydroponically grown cherry tomatoes

Stauroula Tsakiri, Theodora Sofia, Kallimachos Nifakos, Costas Delis*, John Vakros, Ioakim K. Spiliopoulos*

European Journal of Horticultural Science 85(6), 422, **2020**

39. Antioxidant profile, propagation and cultivation of *Nepeta camphorata*, the endemic species of Mt Taygetos (Greece),

Darras, A.I.*, Spiliopoulos, I., Kartsonas, E., Assimomitis, P. and Karras, S.

South African Journal of Botany, 131, 391-397, **2020**

40. The role of temperature in mediating postharvest polyamine homeostasis in tomato fruit,

G.Tsaniklidis*, S.N.Charova, D.Fanourakis, A.Tsafouros, N. Nikoloudakis, E. Goumenaki, E. Tsantilie, P. A.Roussos, I. K.Spiliopoulos, K. A.Paschalidis, C.Delis*

Postharvest Biology and Technology 179, 111586, **2021**

41. "Superior fruit antioxidant and lycopene profiles in five Greek tomato landraces"

E. Georgaki, K. Nifakos, A. Kotsiras, D. Fanourakis, G. Tsaniklidis, C. Delis* and I. K. Spiliopoulos*

Horticulturae, in press.

Conferences

1. 'Aromatic polyamides and polyimides bearing amido and ester pendant groups.'

I.K. Spiliopoulos and J.A. Mikroyannidis

17^o Greek Congress of Chemistry

2. "'Soluble rigid-rod polyamides and polyimides bearing aromatic substituents.'"

I.K. Spiliopoulos and J.A. Mikroyannidis

17^o Greek Congress of Chemistry

3. "Rigid-rod polyamides and polyimides prepared from 4,3'-diamino-3,5-diphenyl-biphenyl and 4-amino-4'-carboxy-3,5-diphenyl-biphenyl."

I. K. Spiliopoulos and J. A. Mikroyannidis

6th European Polymer Federation Symposium on Polymeric Materials

Aghia Pelagia, Greece 7-11 October 1996.

4. "Poly(enyloxynitrile)s containing styrylpyridine segments."

I. K. Spiliopoulos and J. A. Mikroyannidis

6th European Polymer Federation Symposium on Polymeric Materials

Aghia Pelagia, Greece 7-11 October 1996.

5. "Phenyl-substituted, soluble, rod-like polyamide and polyimides prepared from 4,4''-diamino-3,5,3'',5''-tetraphenyl-p-terphenyl."

I. K. Spiliopoulos and J. A. Mikroyannidis

International Symposium on Polycondensation Related Processes and Materials

"POLYCONDENSATION '96"

Paris (France) September 23-26, 1996.

6. 'Study of electro-optic effects in organic chromophores by use of a waveguide geometry.'

Anestopoulos, D.; Giannetas, V.; Persephonis, P.; Tsigaridas, G.; Zevgolis, D.; Spiliopoulos, I.; Mikroyannidis, J.; Ioannou, A.

Proceedings of SPIE-The International Society for Optical Engineering (2003), 5131 (New Laser Technologies and Applications), 43-48.

7. 'Partially conjugated poly(phenylenevinylene) as a blue-emitting laser medium: the suppression of stimulated emission due to chain aggregates.'

Fakis, M.; Polyzos, I.; Tsigaridas, G.; Giannetas, V.; Persephonis, P.; Spiliopoulos, I.; Mikroyannidis, J.

Proceedings of SPIE-The International Society for Optical Engineering (2003), 5131 (New Laser Technologies and Applications), 323-328.

8. 'Two-photon and excited-state absorption of pyrylium dyes studied through the z-scan technique.'

Fakis, M.; Tsigaridas, G.; Polyzos, I.; Giannetas, V.; Persephonis, P.; Spiliopoulos, I.; Mikroyannidis, J.

Proceedings of SPIE-The International Society for Optical Engineering (2003), 5131 (New Laser Technologies and Applications), 284-288.

9. 'Electrochemical Properties, Photoluminescence and Electroluminescence in Novel Luminescent Polymers'

V. Cimrova, D. Vyprachticky, H. Hlídkova, J. Mikroyannidis, P. Karastatiris and I. Spiliopoulos

208th ECS Meeting, Los Angeles, California, October 16 - October 21, 2005

10. 'Photoluminescence and electroluminescence in poly(p-phenylenevinylene) derivatives with m-terphenyl or 2,6-diphenylpyridine segments along the backbone'

V. Cimrová, D. Výprachtický, H. Hlídková, P. Karastatiris, I. K. Spiliopoulos, J.A. Mikroyannidis

Current and Future Trends in Polymeric Materials, Prague, 26 - 30 June 2005

11. Synthesis and Characterization of Alternating PPVs with Electron-Accepting Quinoxaline and Electron-Donating Triphenylamine or Carbazole Units

P. Karastatiris, J.A. Mikroyannidis, I.K. Spiliopoulos

Polymers at Frontiers of Science and Technology, Macro 2008, Taipei, June 29-July 4 2008

12. Synthesis and Characterization of Statistical PPVs Containing Both Hole and Electron Transporting Units

I.K. Spiliopoulos, J.A. Mikroyannidis

Frontiers in Polymers Science, Mainz, Germany, June 7-9 2009

13. Poly(fluorenevinylene)s and Poly(phenylenevinylene) with Quinoline or Bisquinoline Electron-Accepting Segments

I.K. Spiliopoulos

Macro 2010 43rd IUPAC World Polymer Congress, Glasgow, UK, 11-16 July 2010.

14. Polyfluorenes Containing Bipolar Groups

I.K. Spiliopoulos, Y. Sarigiannis

Frontiers in Polymers Science, Lyon, France, May 29-31 2011

15. Polyfluorenes bearing imidazole, thiazole and maleimide electron accepting groups and triphenylamine electron donating group

I.K. Spiliopoulos, Y. Sarigiannis

Frontiers in Polymers Science, Sitges, Spain, May 21-23 2013

16. Polyfluorenes as fluorescent chemosensors for simultaneous detection of Fe²⁺ and Hg²⁺ ions.

Spiliopoulos Ioakim

Greek Congress of Chemistry , Thessaloniki, 2017

Books

Writing, editing or scientific supervision/editing of five book in Greek :

1. «**Fundamental Organic Chemistry**» (in Greek) I. Spiliopoulos, ISBN 9789603517511 Stamoulis Publications, Athens, Greece, **2008**

2. «**Laboratory Techniques and Experiments in Organic Chemistry**» (in Greek) I. Spiliopoulos, ISBN 9789603518365 **2010**.

3. Writing and editing (in Greek) «**Chemistry: General, Organic and Biological Chemistry**» (ebook) I. Spiliopoulos and, J. Vakros, M. Xaplanteri, Kallipos-Open Academic Publications, ISBN 978-960-603-063-5, **2016**.

<https://repository.kallipos.gr/pdfviewer/web/viewer.html?file=/bitstream/11419/917/4/%CE%A7%CE%97%CE%9C%CE%95%CE%99%CE%91.pdf>

4. Writing and editing (in Greek) «**Chemistry Laboratory Exercises**» (ebook), I. Spiliopoulos and, J. Vakros, Kallipos-Open Academic Publications, Athens, Greece, **2023**, ISBN 978-618-228-041-6

5. Scientific supervision/editing of translation in Greek language of «**General Chemistry**», J. K. Robinson, J. E. McMurry, R. C. Fay, ISBN 9789605864132, Kritiki Publications, Athens, Greece, **2022**,

(<https://service.eudoxus.gr/search/#a/id:112691121/0>).

Teaching Activities

Teaching of the following subjects

- Organic Chemistry,
- Organic Chemistry Laboratories,
- General and Inorganic Chemistry,
- Laboratories of General and Inorganic Chemistry
- Analytical Chemistry
- Food Chemistry
- Food Chemistry Laboratories
- Laboratories of Instrumental Chemical Analysis
- Technology and Quality of Meat and Meat Products
- Water and Beverage Technology and Quality Control

Citations

Over 1000 (self-citations excluded); h index 17

Reviewer after Editor invitation

10 journals