

# **ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ**

**ΓΕΩΡΓΙΟΥ Α. ΜΠΟΚΙΑ**

**Καθηγητή  
στο  
Τμήμα Χημείας  
του  
Πανεπιστημίου Πατρών**

Πάτρα, Ιούνιος 2022

**ΟΝΟΜΑΤΕΠΩΝΥΜΟ** : Μπόκιας Γεώργιος του Αναστασίου  
**ΤΟΠΟΣ ΓΕΝΝΗΣΗΣ** : Άρτα  
**ΕΤΟΣ ΓΕΝΝΗΣΗΣ** : 12 Αυγούστου 1967  
**ΔΙΕΥΘΥΝΣΗ ΚΑΤΟΙΚΙΑΣ** : Ανθουπόλεως και Δοξάτου 2,  
26443 Πάτρα  
**ΤΗΛΕΦΩΝΟ** : (2610) 997102  
**FAX** : (2610) 997122  
**E-mail** : [bokias@upatras.gr](mailto:bokias@upatras.gr)  
**Ιστοσελίδα** : <http://www.chem.upatras.gr/faculty/bokias>  
<http://www.aphnrl.chem.upatras.gr>  
**ORCID ID** : 0000-0003-0893-4716  
**Scopus Author ID** : 6603967416



### ΣΠΟΥΔΕΣ

Σεπτέμβριος 1985 - Νοέμβριος 1989 : Σπουδές στο Τμήμα Χημείας του Πανεπιστημίου Αθηνών  
Νοέμβριος 1989 : **Πτυχίο Χημείας του Τμήματος Χημείας του Πανεπιστημίου Αθηνών**  
Δεκέμβριος 1989 - Δεκέμβριος 1993 : Υποψήφιος διδάκτωρ στο Τμήμα Χημικών Μηχανικών του Πανεπιστημίου Πατρών, με υποτροφία του Ερευνητικού Ινστιτούτου Χημικής Μηχανικής κα Χημικών Διεργασιών Υψηλών Θερμοκρασιών (ΕΙΧΗΜΥΘ)  
Ιούνιος 1994 : Απονομή του τίτλου του **Διδάκτορος του Τμήματος Χημικών Μηχανικών του Πανεπιστημίου Πατρών**

### ΥΠΟΤΡΟΦΙΕΣ

- Υπότροφος του Ερευνητικού Ινστιτούτου Χημικής Μηχανικής και Χημικών Διεργασιών Υψηλών Θερμοκρασιών (ΕΙΧΗΜΥΘ) κατά τη διάρκεια της εκπόνησης της διδακτορικής διατριβής (1989-1994).
- Υποτροφία *Marie Curie* στα πλαίσια του ευρωπαϊκού Προγράμματος TMR (1996-1998).
- Υποτροφία *Marie Curie* για την επιστροφή στην Ελλάδα (return grant) στα πλαίσια του ευρωπαϊκού Προγράμματος TMR (1998-1999).

### ΕΚΠΑΙΔΕΥΤΙΚΗ ΕΜΠΕΙΡΙΑ

09/ 2000 – 01/2001 : **Επισκέπτης Λέκτορας**, Τμήμα Χημείας, Πανεπιστήμιο Κύπρου.  
2001 –2002 : **Διδάσκων Π.Δ. 407/80 στη βαθμίδα του Λέκτορα**, Τμήμα Επιστήμης των Υλικών, Πανεπιστήμιο Πατρών.  
2002 –2011 : **Επίκουρος Καθηγητής**, Τμήμα Χημείας, Πανεπιστήμιο Πατρών.  
2011 –2018 : **Αναπληρωτής Καθηγητής**, Τμήμα Χημείας, Πανεπιστήμιο Πατρών.  
2018-σήμερα : **Καθηγητής**, Τμήμα Χημείας, Πανεπιστήμιο Πατρών.

## ΔΙΟΙΚΗΤΙΚΗ ΕΜΠΕΙΡΙΑ

### Σήμερα

- Αναπληρωτής Πρόεδρος του Τμήματος Χημείας
- Διευθυντής Προγράμματος Μεταπτυχιακών Σπουδών στη «Χημεία»

### Παρελθόν

- Πρόεδρος του Τμήματος Χημείας, Παν. Πατρών
- Αναπληρωτής Προέδρου του Τμήματος Χημείας, Παν. Πατρών
- Επιστημονικός υπεύθυνος του προγράμματος «Πρακτική Άσκηση» Φοιτητών του Τμήματος Χημείας
- Διευθυντής του Τομέα Χημικών Εφαρμογών, Χημικής Ανάλυσης και Χημείας Περιβάλλοντος του Τμήματος Χημείας, Πανεπιστημίου Πατρών
- Συντονιστής της ειδίκευσης «Συνθετική Χημεία και Προηγμένα Πολυμερικά και Νανοδομημένα Υλικά» του ΠΜΣ του Τμήματος Χημείας, Παν. Πατρών
- Οικονομικός υπεύθυνος του Γ' Τομέα

## ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ

Μέχρι τώρα

- Επιστημονικός υπεύθυνος σε 4 εθνικά ερευνητικά προγράμματα
- Κύριος ερευνητής σε 8 εθνικά ερευνητικά προγράμματα
- Κύριος ερευνητής σε 1 ευρωπαϊκό ερευνητικό πρόγραμμα

## ΔΗΜΟΣΙΕΥΜΕΝΟ ΕΡΓΟ

### **A. Δημοσιευμένες εργασίες σε διεθνή επιστημονικά περιοδικά με κριτές**

1. "Interpolymer association between poly(acrylic acid) and vinyl alcohol - vinyl acetate copolymers in dilute aqueous solution". G. Staikos\* and G. Bokias. *Makromol. Chem.* **1991**, *192*, 2649-2657.
2. "The viscometric methods in the investigation of the polyacid - polybase interpolymer complexes". G. Staikos,\* G. Bokias and C. Tsitsilianis. *J. Appl. Polym. Sci.* **1993**, *48*, 215-217.
3. "The intrinsic viscosity of poly(acrylic acid) and partially neutralized poly(acrylic acid) by isoionic dilution". G. Staikos\* and G. Bokias. *Polym. Int.* **1993**, *31*, 385-389.
4. "Interpolymer association between acrylic acid copolymers and poly(ethylene glycol) : effects of the copolymer nature". G. Bokias, G. Staikos,\* I. Iliopoulos and R. Audebert. *Macromolecules* **1994**, *27*, 427-431.
5. "A quantitative description of the viscometric behaviour of partially neutralized poly(acrylic acid) in aqueous solutions studied by the isoionic dilution method". G. Bokias and G. Staikos.\* *Polymer* **1995**, *36*, 2079-2082.
6. "Interpolymer complexes of poly(acrylamide) and poly(N-isopropylacrylamide) with poly(acrylic acid) : a comparative study". G. Staikos,\* G. Bokias and K. Karayanni. *Polym. Int.* **1996**, *41*, 345-350.
7. "Hydrophobic interactions of poly(N-isopropylacrylamide) with hydrophobically modified poly(sodium acrylate) in aqueous solution". G. Bokias,\* D. Hourdet, I. Iliopoulos, G. Staikos and R. Audebert. *Macromolecules* **1997**, *30*, 8293-8297.

8. "Molar mass control of poly(N-isopropylacrylamide) and poly(acrylic acid) in aqueous polymerizations initiated by redox initiators based on persulfates". G. Bokias,\* A. Durand and D. Hourdet. *Macromol. Chem. Phys.* **1998**, *199*, 1387-1392.
9. "The study of the interpolymer hydrogen bonding interactions in aqueous solution, based on the isoionic dilution method". G. Bokias and G. Staikos. *Recent Res. Devel. Macromol. Res.* **1999**, *4*, 247-259.
10. "Hydrophobically modified poly(N,N-dimethylacrylamide): synthesis, aqueous solution behaviour, and rheological properties in aqueous mixtures with hydrophobically modified poly(sodium acrylate)". L. Guillaumont, G. Bokias\* and I. Iliopoulos. *Macromol. Chem. Phys.* **2000**, *201*, 251-260.
11. "Positively charged amphiphilic polymers based on poly(N-isopropylacrylamide) : Phase behavior and shear-induced thickening in aqueous solution". G. Bokias,\* D. Hourdet and I. Iliopoulos. *Macromolecules* **2000**, *33*, 2929-2935.
12. "Phase behaviour of aqueous mixtures of sodium dodecyl sulfate with a weakly cationically charged acrylamide-based copolymer". Y. Mylonas, G. Bokias\* and G. Staikos. *Progr. Colloid Polym. Sci.* **2000**, *115*, 93-96.
13. "Solution properties and phase behaviour of copolymers of acrylic acid with N-isopropylacrylamide: the importance of the intrachain hydrogen bonding". G. Bokias,\* G. Staikos and I. Iliopoulos. *Polymer* **2000**, *41*, 7399-7405.
14. "Investigation of the association in water of sodium dodecyl sulfate with a positively charged copolymer based on N-isopropylacrylamide". G. Bokias.\* *Colloid Polym. Sci.* **2000**, *278*, 1109-1113.
15. "Influence of migrating ionic groups on the solubility of polyelectrolytes: Phase behavior of ionic poly(N-isopropylacrylamide) copolymers in water". G. Bokias, V.V. Vasilevskaya,\* I. Iliopoulos, D. Hourdet and A.R. Khokhlov. *Macromolecules* **2000**, *33*, 9757-9763.
16. "Association of hydrophobically modified positively charged N-isopropylacrylamide copolymers with the nonionic surfactant Triton X-100". G. Bokias.\* *Polymer* **2001**, *42*, 3657-3664.
17. "Association of positively charged copolymers based on N-isopropylacrylamide with hydrophobically modified poly(sodium acrylate) in water". G. Bokias\* and Y. Mylonas. *Macromolecules* **2001**, *34*, 885-889.
18. "Synthesis and characterization of positively charged amphiphilic water soluble polymers based on N-isopropylacrylamide". G. Bokias and D. Hourdet.\* *Polymer* **2001**, *42*, 6329-6337.
19. "Association of hydrophobically modified poly(sodium acrylate) with cationic copolymers based on N-isopropylacrylamide". G. Bokias,\* I. Iliopoulos, D. Hourdet and G. Staikos. *Progr. Colloid Polym. Sci.* **2001**, *118*, 48-52.
20. "Synthesis and aqueous solution properties of novel thermoresponsive graft copolymers based on a carboxymethylcellulose backbone". G. Bokias, Y. Mylonas, G. Staikos,\* G.G. Bumbu and C. Vasile. *Macromolecules* **2001**, *34*, 4958-4964.
21. "Micellar copolymerisation of N,N-dimethylacrylamide and t-butylacrylamide". I. Vasiliadis, G. Bokias, Y. Mylonas and G. Staikos.\* *Polymer* **2001**, *42*, 8911-8914.
22. "Template copolymerisation of N-isopropylacrylamide with a cationic monomer: influence of the template on the solution properties of the product". A. Charalambopoulou, G. Bokias\* and G. Staikos. *Polymer* **2002**, *43*, 2637-2643.
23. "Microphase separation of cationic poly(N-isopropylacrylamide) copolymers in water: effect of the migration of charges." B. Jean,\* G. Bokias, L.-T. Lee, I. Iliopoulos and B. Cabane. *Colloid Polym. Sci.* **2002**, *280*, 908-914.
24. "Soluble hydrogen-bonding interpolymer complexes and pH-controlled thickening

- phenomena in water”. M. Sotiropoulou, G. Bokias and G. Staikos.\* *Macromolecules* **2003**, *36*, 1349-1354.
25. “Rheological study of semidilute aqueous solutions of a thermoassociative copolymer”. T. Aubry,\* F. Bossard, G. Staikos and G. Bokias. *J. Rheol.* **2003**, *47*, 577-587.
  26. “Water-soluble polyelectrolyte complexes formed by poly(diallyldimethylammonium chloride) and poly(sodium acrylate-co-sodium 2-acrylamido-2-methyl-1-propane-sulphonate)-graft-poly(N,N-dimethylacrylamide) copolymers”. M. Sotiropoulou, C. Cincu, G. Bokias and G. Staikos.\* *Polymer* **2004**, *45*, 1563-1568.
  27. “Upper critical solution temperature - type cononsolvency of poly(N,N-dimethylacrylamide) in water - organic solvent mixtures”. K. Pagonis and G. Bokias.\* *Polymer* **2004**, *45*, 2149-2153.
  28. “Poly(N-isopropylacrylamide) grafted to a strongly charged backbone : Thermo-responsive behavior in aqueous solution”. N. Chourdakis, G. Bokias\* and G. Staikos. *J. Appl. Polym. Sci.* **2004**, *92*, 3466-3470.
  29. “Thermoresponsive behaviour in aqueous solution of poly(maleic acid-alt-vinyl acetate) grafted with poly(N-isopropylacrylamide)”. C.Vasile, G.-G. Bumbu, I. Mylonas, G. Bokias\* and G. Staikos. *Polym. Int.* **2004**, *53*, 1176-1179.
  30. “Study of poly(N,N-dimethylacrylamide)/CdS nanocomposite organic/inorganic gels”. V. Bekiari, K. Pagonis, G. Bokias and P. Lianos.\* *Langmuir* **2004**, *20*, 7972-7975.
  31. “Miscibility study of blends of polysulfone with a methacrylamide polymer containing quaternized alkylammonium sites”. Th. Boussios, G. Bokias\* and J. K. Kallitsis. *J. Macromol. Sci.: Part A- Pure and Appl. Chem.* **2004**, *41*, 1233-1249.
  32. “Water-soluble complexes through coulombic interactions between bovine serum albumin and anionic polyelectrolytes grafted with hydrophilic nonionic side chains”. M. Sotiropoulou, G. Bokias and G. Staikos.\* *Biomacromolecules* **2005**, *6*, 1835-1838.
  33. “Water-soluble complexes between cationic surfactants and comb-type copolymers consisting of an anionic backbone and hydrophilic nonionic poly(N,N-dimethylacrylamide) side chains”. I. Balomenou and G. Bokias.\* *Langmuir* **2005**, *21*, 9038-9043.
  34. “Control of the lower critical solution temperature - type cononsolvency properties of poly(N-isopropylacrylamide) in water - dioxane mixtures through copolymerisation with acrylamide”.G. Dalkas, K. Pagonis and G. Bokias.\* *Polymer* **2006**, *47*, 243-248.
  35. “Temperature-sensitive water-soluble polyelectrolyte/surfactant complexes formed between dodecyltrimethylammonium bromide and a comb-type copolymer consisting of an anionic backbone and poly(N-isopropylacrylamide) side chains”. P. Tsolakis, and G. Bokias.\* *Macromolecules* **2006**, *39*, 393-398.
  36. “Interpolymer association between hydrophobically modified poly(sodium acrylate) and poly(N-isopropylacrylamide) in water: The role of hydrophobic interactions and polymer structure”. Y. Mylonas, G. Bokias,\* I. Iliopoulos and G. Staikos. *Eur. Polym. J.* **2006**, *42*, 849-857.
  37. “Simultaneous lower and upper critical solution temperature - type co-non-solvency behaviour exhibited in water - dioxane mixtures by linear copolymers and hydrogels containing N-isopropylacrylamide and N,N-dimethylacrylamide”. K. Pagonis and G. Bokias.\* *Polym. Int.* **2006**, *55*, 1254-1258.
  38. “Water-soluble stoichiometric polyelectrolyte complexes based on cationic comb-type copolymers”. A. Matralis, M. Sotiropoulou, G. Bokias and G. Staikos.\* *Macromol. Chem. Phys.* **2006**, *207*, 1018-1025.
  39. “Water-soluble hydrogen-bonding interpolymer complex formation between poly(ethylene glycol) and poly(acrylic acid) grafted with poly(2-acrylamido-2-

- methylpropanesulfonic acid)". P. Ivopoulos, M. Sotiropoulou, G. Bokias and G. Staikos.\* *Langmuir* **2006**, *22*, 9181-9186.
40. "Temperature- and solvent- sensitive hydrogels based on N-isopropylacrylamide and N,N-dimethylacrylamide". K. Pagonis and G. Bokias.\* *Polym. Bull.* **2007**, *58*, 289-294.
  41. "Physicochemical study of the complexation of poly(acrylic acid) with Cu<sup>2+</sup> ions in water". Z. Iatridi, G. Bokias\* and J.K. Kallitsis. *J. Appl. Polym. Sci.* **2008**, *108*, 769-776.
  42. "Use of poly(N,N-dimethylarylamide-co-sodium acrylate) hydrogel to extract cationic dyes and metals from water". V. Bekiari, M. Sotiropoulou, G. Bokias and P. Lianos.\* *Colloids and Surfaces A:Physicochem. Eng. Aspects* **2008**, *312*, 214-218.
  43. "Stabilization in water of polymer/Cu<sup>2+</sup> complexes using poly(sodium acrylate)-graft-poly(N,N-dimethylacrylamide) graft copolymers". Z. Iatridi and G. Bokias.\* *Macromol. Chem. Phys.* **2008**, *209*, 1029-1036.
  44. "Comparative study of electrostatic binding vs. complexation of Cu<sup>2+</sup> ions with water-soluble polymers containing styrene sulphonic acid and/or maleic acid units or their sodium salt forms". E.K. Oikonomou, G. Bokias\* and J.K. Kallitsis. *J. Polym. Sci. Part B- Polym. Phys.* **2008**, *46*, 1149-1158.
  45. "Direct synthesis of amphiphilic block copolymers, consisting of poly(methyl methacrylate) and poly(sodium styrene sulfonate) blocks through atom transfer radical polymerization". E.K. Oikonomou, E.K. Pefkianakis, G. Bokias and J.K. Kallitsis.\* *Eur. Polym. J.* **2008**, *44*, 1857-1864.
  46. "The role of intrachain and interchain interactions of regioregular poly(3-octylthiophene) chains on the optical properties of a new amphiphilic conjugated random copolymer in solution". A.A. Stefopoulos, C.L. Chochos,\* G. Bokias and J.K. Kallitsis. *Langmuir* **2008**, *24*, 11103-11110.
  47. "Formation of ternary poly(acrylic acid)-surfactant-Cu<sup>2+</sup> complexes in aqueous solution: quenching of pyrene fluorescence and pH-controlled "on-off" emitting properties". Z. Iatridi and G. Bokias.\* *Langmuir* **2008**, *24*, 11506-11513.
  48. "Stimuli-responsive poly(ethylene oxide)-b-poly(2-vinylpyridine)-b-poly(ethylene oxide) triblock copolymers and complexation with poly(acrylic acid) at low pH". A. Karanikolas, P. Tsolakis, G. Bokias\* and C. Tsitsilianis.\* *Eur. Phys. J. E* **2008**, *27*, 335-343.
  49. "Temperature-sensitive water-soluble hybrid organic/inorganic nanoparticles formed through complexation of Cu<sup>2+</sup> ions with poly(sodium acrylate)-g-poly(N-isopropylacrylamide) comb-type copolymers in aqueous solution". Z. Iatridi and G. Bokias.\* *Langmuir* **2009**, *25*, 7695-7703.
  50. "Time-dependent Cu<sup>2+</sup> - induced gelation of poly(ethylene-alt-maleic acid) in aqueous solution". E. K. Oikonomou, N. Lezi, G. Bokias,\* J.K. Kallitsis and I. Iliopoulos. *Eur. Polym. J.* **2009**, *45*, 3426-3432.
  51. "Adsorption of Nile Red by poly(N-isopropylacrylamide) gels in binary water/tetrahydrofuran mixtures". I. Thivaivos and G. Bokias.\* *J. Appl. Polym. Sci.* **2010**, *116*, 1509-1514.
  52. "Medium effect on the geometric isomerism of a centrosymmetrically disubstituted naphthalene derivative with flexible methoxytriethylene glycol chains". I. Balomenou, A. Kaloudi-Chantzea, G. Bokias, J.K. Kallitsis, C.P. Raptopoulou, A. Terzis and G. Pistolis.\* *J. Phys. Chem. B* **2010**, *114*, 8181-8190.
  53. "Investigation of binary polymer/surfactant or ternary polymer/surfactant/Cu<sup>2+</sup> complexes in aqueous solution through Nile Red probing". Z. Iatridi, A. Daktiloudis and G. Bokias.\* *Polym. Int.* **2010**, *59*, 1168-1174.

54. "pH-responsive photoluminescence properties of a water-soluble copolymer containing quinoline groups in aqueous solution". A.Kalogianni, E. Pefkianakis, A. Stefopoulos, G. Bokias\* and J.K. Kallitsis. *J. Polym. Sci. Part B- Polym. Phys.* **2010**, *48*, 2078-2083.
55. "Poly(sodium styrene sulfonate)-b-poly(methyl methacrylate) diblock copolymers through direct atom transfer radical polymerization : influence of hydrophilic-hydrophobic balance on self-organization in aqueous solution". E.K. Oikonomou, A. Bethani, G. Bokias and J.K. Kallitsis.\* *Eur. Polym. J.* **2011**, *47*, 752-761.
56. "Formation of hybrid wormlike micelles upon mixing cetyl trimethylammonium bromide with poly(methyl methacrylate-co-sodium styrene sulfonate) copolymers in aqueous solution". E.K. Oikonomou, G. Bokias,\* J.K. Kallitsis and I. Iliopoulos. *Langmuir* **2011**, *27*, 5054-5061.
57. "Temperature-responsive photoluminescence of quinoline-labeled poly(N-isopropylacrylamide) in aqueous solution". I. Thivaos, I. Diamantis, G. Bokias\* and J.K. Kallitsis. *Eur. Polym. J.* **2012**, *48*, 1256-1265.
58. "Development of Cu<sup>2+</sup>- and/or phosphonium-based polymeric biocidal materials and their potential application in antifouling paints". E.K. Oikonomou, Z. Iatridi, M. Moschakou, P. Damigos, G. Bokias,\* J.K. Kallitsis. *Progr. Org. Coatings* **2012**, *75*, 190-199.
59. "Sequential association of anionic/thermosensitive diblock copolymers with cationic surfactants". E.K. Oikonomou, G. Bokias,\* I. Iliopoulos, and J.K. Kallitsis. *Macromolecules* **2013**, *46*, 1082-1092.
60. "Synthesis and self-association in dilute aqueous solution of hydrophobically modified polycations and polyampholytes based on 4-vinylbenzyl chloride". N.D. Koromilas, G.Ch. Lainioti, E.K. Oikonomou, G. Bokias\* and J. K. Kallitsis.\* *Eur. Polym. J.* **2014**, *54*, 39-51.
61. "Application of hydrophobically modified water-soluble polymers for the dispersion of hydrophobic magnetic nanoparticles in aqueous media". Z. Iatridi, V. Georgiadou, M. Menelaou, C. Dendrinou-Samara\* and G. Bokias\*. *Dalton Trans.* **2014**, *43*, 8633-8643.
62. "Doubly-grafted copolymers with hydrophilic and thermosensitive side chains: thermosensitivity and complexation with surfactants". A. Daktiloudis, A. Chronaios, N. Mavriki, Z. Iatridi and G. Bokias.\* *J. Colloid Interface Sci.* **2014**, *430*, 293-301.
63. "Ionic hydrogels as potential sorbent materials of organic and inorganic charged pollutants". M. Zamparas, G. Linardatos, G. Bokias, and V. Bekiari.\* *J. Surf. Interfac. Mater.* **2014**, *2*, 299-304.
64. "Quinoline-functionalized cross-linked poly(vinyl acetate) and poly(vinyl alcohol) nanoparticles as potential pH-responsive luminescent sensors". A. Moutsipoulou, A.K. Andreopoulou, G. Lainioti, G. Bokias,\* G. Voyiatzis and J.K. Kallitsis. *Sensors and Actuators B*, **2015**, *211*, 235-244.
65. "Release of polymeric biocides from synthetic matrices for marine biofouling applications". V. Bekiari,\* K. Nikolaou, N. Koromilas, G. Lainioti, P. Avramidis, G. Hotos, J. K. Kallitsis and G. Bokias. *Agriculture and Agricultural Science Procedia* **2015**, *4*, 445 - 450.
66. "Magnetic colloidal superparticles of Co, Mn and Ni ferrite featured with comb-type and/or linear amphiphilic polyelectrolytes; NMR and MRI relaxometry". M. Menelaou, Z. Iatridi, I. Tsougos, K. Vasiou, C. Dendrinou-Samara\* and G. Bokias.\* *Dalton Trans.* **2015**, *44*, 10980-10990.
67. "Evaluation of antimicrobial efficiency of new polymers comprised by covalently attached and/or electrostatically bound bacteriostatic species, based on quaternary ammonium compounds". E. Kougia, M. Tselepi, G. Vasilopoulos, G. Ch. Lainioti, N. D. Koromilas, D. Druvari, G. Bokias, A. Vantarakis\* and J. K. Kallitsis.\* *Molecules* **2015**, *20*, 21313-21327.

68. “Surfactant-directed morphology of cross-linked styrene- or vinylbenzyl chloride-based materials”. M. Karamitrou, E. Sarpaki, G. Bokias.\* *J. Appl. Polym. Sci.* **2016**, *133*, 43297.
69. “Quinoline-labeled poly(N-isopropylacrylamide): a selective polymeric luminescent sensor of cationic surfactants”. I. Thivaivos, V. Koukoumtzis, J.K. Kallitsis and G. Bokias.\* *Sensors and Actuators B* **2016**, *233*, 127-135.
70. “A library of quinoline-labeled water-soluble copolymers with pH-tunable fluorescence response in the acidic pH region”. I. Thivaivos, S. Kakogianni and G. Bokias.\* *Macromolecules* **2016**, *49*, 3526-3534.
71. “Evaluation of the release characteristics of covalently attached or electrostatically bound biocidal polymers utilizing SERS and UV-Vis absorption”. G. N. Mathioudakis, A. Soto Beobide\*, N. D. Koromilas, J. K. Kallitsis, G. Bokias and G. A. Voyiatzis. *eXPRESS Polymer Letters* **2016**, *10*, 750–761.
72. “Multifunctional polymeric platform of magnetic ferrite colloidal superparticles for luminescence, imaging, and hyperthermia applications”. Z. Iatridi, K. Vamvakidis, I. Tsougos, K. Vassiou, C. Dendrinou-Samara\* and G. Bokias.\* *ACS Appl. Mater. Interfaces* **2016**, *8*, 35059–35070.
73. “Polymeric quaternary ammonium-containing coatings with potential dual contact-based and release-based antimicrobial activity”. D. Druvari, N. D. Koromilas, G. Ch. Lainioti, G. Bokias, G. Vasilopoulos, A. Vantarakis, I. Baras, N. Dourala and J. K. Kallitsis.\* *ACS Appl. Mater. Interfaces* **2016**, *8*, 35593–35605.
74. “Polymeric antimicrobial coatings based on quaternary ammonium compounds”. D. Druvari, N.D. Koromilas, V. Bekiari, G. Bokias and J.K. Kallitsis. *Coatings* **2018**, *8*, 8.
75. “UV-Triggered Optical Response and Oxygen Scavenging Ability of a Water-Soluble Poly(N,N-dimethylacrylamide-co-2-vinylbenzylanthraquinone) Copolymer”. M. Karamitrou, G.A. Voyiatzis, J.K.Kallitsis and G. Bokias\*. *Macromolecular Materials and Engineering* **2018**, *303*, article number 1700450.
76. “Electrochromic cell with hydrogel-stabilized water-based electrolyte using electrodeposition as a fast color changing mechanism”. M. Rozman, U. Bren, M. Lukšič, R.F. Godec, G. Bokias, A.N. Kalarakis and E. Stathatos\*. *Electrochimica Acta* **2018**, *283*, 1105-1114.
77. “Surface-enhanced Raman scattering as a tool to study cationic surfactants exhibiting low critical micelle concentration”. G. Mathioudakis, A.S. Beobide\*, G. Bokias, P.G. Koutsoukos, G.A. Voyiatzis\*. *Journal of Raman Spectroscopy* **2020**, *51*, 452-460.
78. “A Custom Ultra-Low-Cost 3D Bioprinter Supports Cell Growth and Differentiation”. K. Ioannidis\*, R.I. Danalatos, S.C. Tsaniras, K. Kaplani, G. Lokka, A. Kanellou, D.J. Papachristou, G. Bokias, Z. Lygerou, S. Taraviras\*. *Frontiers in Bioengineering and Biotechnology* **2020**, *8*, article number 580889.
79. “Preparation of Antimicrobial Coatings from Cross-Linked Copolymers Containing Quaternary Dodecyl-Ammonium Compounds”. D. Druvari, A. Antonopoulou, G.C. Lainioti\*, A. Vlamis-Gardikas, G. Bokias, J.K. Kallitsis. *International Journal of Molecular Sciences* **2021**, *22*, article number 13236.
80. “pH-Responsive Emission of Novel Water-Soluble Polymeric Iridium(III) Complexes”. D. Tsakaraki, A.K. Andreopoulou, G. Bokias\*. *Nanomaterials* **2022**, *12*, article number 927.

## **B. Εργασίες σε βιβλία**

1. “Water Soluble Polymer Systems – Phase Behaviour and Complex Formation”. G. Staikos, G. Bokias and G.G. Bumbu. *Handbook of Polymer Blends and Composites, Volume 3A* (C. Vasile and A.K. Kulshreshtha, Eds.). Rapra Technology Ltd, UK **2003**, ch. 5, pp. 135-178.
2. “Water Soluble Polymer Systems – Applications of Interpolymer Complexes and



- Blends". G. Staikos, G. Bokias and G.G. Bumbu. *Handbook of Polymer Blends and Composites, Volume 3A* (C. Vasile and A.K. Kulshreshtha, Eds.). Rapra Technology Ltd, UK **2003**, ch. 6, pp. 179-214.
3. "Hydrogen-Bonded Interpolymer Complexes Soluble at Low pH". G. Staikos, M. Sotiropoulou, G. Bokias, F. Bossard, J. Oberdisse and E. Balnois. *Hydrogen-Bonded Interpolymer Complexes. Formation, Structure and Applications* (V.V. Khutoryanskiy and G. Staikos, Eds.). World Scientific Publishing Co, Singapore **2009**, ch. 2, pp. 23-53.
  4. "Potentiometric Investigation of Hydrogen-Bonded Interpolymer Complexation". G. Staikos, G.G. Bumbu and G. Bokias. *Hydrogen-Bonded Interpolymer Complexes. Formation, Structure and Applications* (V.V. Khutoryanskiy and G. Staikos, Eds.). World Scientific Publishing Co, Singapore **2009**, ch. 2, pp. 55-68.

#### **Γ. Ευρεσιτεχνίες**

- **FR 28 26 015**: G. Bokias, A. Cadix, D. Hourdet, I. Iliopoulos, F. Lafuma and P. Maroy. "Solution aqueuses de polymeres qui viscosifient de maniere reversible ou se transforment en gel de maniere reversible , sous l' effet d' un cisaillement". (**2001**)
- **WO 02/102917**: G. Bokias, A. Cadix, D. Hourdet, I. Iliopoulos, F. Lafuma and P. Maroy. "Polymer solutions with shear reversible properties". (**2002**)

#### **EDITORIAL BOARD**

- Editorial Board, *Gels*
- Editorial Board, *Materials*
- Associate Editor, *Frontiers in Chemistry*
- Associate Editor, *Frontiers in Materials*

#### **GUEST-EDITOR**

- Special Issue "*Hybrid Polymeric Materials*", *Polymers*
- Special Issue "*Hydrophilic Copolymers for Bioapplications or Water Remediation*", *Materials*

#### **ΑΝΑΦΟΡΕΣ**

Μέχρι στιγμής, οι παραπάνω εργασίες έχουν αναφερθεί περισσότερες από 1800 φορές σε διεθνή περιοδικά. Από αυτές, οι περίπου 1650 είναι ετεροαναφορές. h-index=27 (Πηγή: Web of Science).

#### **ΣΥΜΜΕΤΟΧΗ ΣΕ ΕΠΙΣΤΗΜΟΝΙΚΟΥΣ ΣΥΛΛΟΓΟΥΣ**

- Μέλος της Ένωσης Ελλήνων Χημικών (Ε.Ε.Χ.).
- Μέλος της Ελληνικής Εταιρίας Πολυμερών (ΕΛ.Ε.Π.).
- Ιδρυτικό μέλος της Εταιρίας Κολλοειδών και Διεπιφανειών Ελλάδας (Ε.Κ.Δ.Ε.).