

## **ΕΠΙΣΤΗΜΟΝΙΚΕΣ ΔΗΜΟΣΙΕΥΣΕΙΣ ΣΕ ΔΙΕΘΝΗ ΠΕΡΙΟΔΙΚΑ ΜΕ ΚΡΙΤΕΣ**

1. D. Papoutsi, **V. Bekiari**, E. Stathatos, P. Lianos and A. Laschewsky, ‘Molecular Diffusion and Fluorescence Energy-Transfer Studies in Thin Surfactant Films’, *Langmuir*, **1995**, 11, 4355.
2. **V. Bekiari** and P. Lianos, ‘A Pyrene Loaded Film Composed of Triton X-100 and Poly(vinylmethylether)’, *Journal of Colloid and Interface Science*, **1996**, 182, 304.
3. **V. Bekiari** and P. Lianos, ‘Photophysical Studies In AOT Films Deposited on Fused Silica Slides’, *Journal of Colloid and Interface Science*, **1996**, 183, 552.
4. **V. Bekiari**, P. Lianos, S. Avramiotis and A. Xenakis, ‘Photophysical Studies of Aerosol-OT Films Loaded with Biological Macromolecules and made from Reverse Micelles’, *Progress in Colloid and Polymer Science*, **1997**, 105, 109.
5. S. Avramiotis, **V. Bekiari**, P. Lianos and A. Xenakis, ‘Structural and Dynamic Properties of Lecithin-Alcohol Based w/o Microemulsions: A Luminescence Quenching Study’, *Journal of Colloid and Interface Science*, **1997**, 194, 326.
6. M. Ferrer, **V. Bekiari**, P. Lianos and D.Tsiourvas, ‘Leaching of Organic Molecules from Composite Silica/Surfactant Films into Water’, *Chemistry of Materials*, **1997**, 9, 2652.
7. **V. Bekiari**, M. Ferrer, E. Stathatos and P. Lianos, ‘Fluorescence Probing of Composite Organic/Inorganic Transparent Matrices’, *Journal of Sol-Gel Science and Technology*, **1998**, 13, 95.
8. **V. Bekiari**, G. Pistolis and P. Lianos, ‘Improvement of the emission properties of sol-gel silica matrices containing Eu<sup>3+</sup> in the presence of poly(ethylene glycol)-200’, *Journal of Non-Crystalline Solids*, **1998**, 226, 200.
9. **V. Bekiari** and P. Lianos, ‘Strongly Luminescent Poly(ethyleneglycol)-2,2'-bipyridine Lanthanide Ion Complexes’, *Advanced Materials*, **1998**, 10, 1455.
10. **V. Bekiari** and P. Lianos, ‘Characterization of Photoluminescence from a Material made by Interaction of 3-Aminopropyltriethoxysilane with Acetic acid’, *Langmuir*, **1998**, 14, 3459.
11. **V. Bekiari** and P. Lianos, ‘Tunable Photoluminescence from a Material Made by the Interaction of 3-Aminopropyltriethoxysilane with Organic Acids’, *Chemistry of Materials*, **1998**, 10, 3777.
12. J. Huang, **V. Bekiari**, P. Lianos and S. Couris ‘Study of poly(methyl methacrylate) thin films doped with laser dyes’, *Journal of Luminescence*, **1999**, 81, 285.

13. **V. Bekiari**, M.-L. Ferrer and P. Lianos, ‘Time-Resolved Fluorescence Quenching Studies in Nanocomposite Materials Made of Silica and Cetyltrimethylammonium Bromide’, *The Journal of Physical Chemistry B*, **1999**, 103, 9085.
14. **V. Bekiari**, G. Pistolis and P. Lianos, ‘Intensely Luminescent Materials Obtained by Combining Lanthanide Ions, 2,2’- Bipyridine and Poly(ethyleneglycol) in Various Fluid or Solid Environments’, *Chemistry of Materials*, **1999**, 11, 3189.
15. **V. Bekiari**, P. Lianos and P. Judeinstein, ‘Efficient luminescent materials made by incorporation of terbium(III) and 2,2’ bipyridine in silica/poly(ethylene oxide) hybrid gels’, *Chemical Physics Letters*, **1999**, 307, 310.
16. **V. Bekiari** and P. Lianos, ‘High-yield Luminescence from Cadmium Sulfide Nanoclusters Supported In a Poly(ethyleneglycol) Oligomer’, *Langmuir*, **2000**, 16, 3561.
17. **V. Bekiari**, P. Lianos, U. Lavrencic Stangar, B. Orel and P. Judeinstein, ‘Optimization of luminescence emission from silica/poly(ethyleneoxide) and silica/poly(propyleneoxide) nanocomposite gels’, *Chemistry of Materials*, **2000**, 12, 3095 .
18. **V. Bekiari** and P. Lianos, ‘New High Yield Luminescent Materials Obtained by Combining Terpyridine, Metal Cations (Including Lanthanides) and Poly(EthyleneGlycol)’, *Advanced Materials*, **2000**, 12, 1603.
19. **V. Bekiari**, E. Stathatos, P. Lianos, U. Lavrencic Stangar, B. Orel and P. Judeinstein, ‘Studies on Hybrid Organic/inorganic Nanocomposite Gels Using Photoluminescence Techniques’, *Chemical Monthly*, **2001**, 132, 97.
20. **V. Bekiari**, E. Stathatos, P. Lianos, F. Konstandakopoulou, J. Kallitsis and S. Couris, ‘Photophysical properties of a series of blue-emitting rigid flexible polyethers in solution and in thin films’, *Journal of Luminescence*, **2001**, 93, 223.
21. J. Huang, **V. Bekiari** and P. Lianos, ‘Enhancement of weak radiative transitions of Eu<sup>3+</sup> in thin surfactant films in the presence of PMMA’, *Progress in Colloid and Polymer Science*, **2001**, 118, 27.
22. E. Leontidis, K. Kleitou, T. Kyprianidou-Leodidou, **V. Bekiari** and P. Lianos, ‘Gold Colloids from Cationic Surfactant Solutions. 1. Mechanisms That Control Particle Morphology’, *Langmuir*, **2002**, 18, 3659.
23. R. Moleski, E. Stathatos, **V. Bekiari** and P. Lianos ‘Preparation of thin Ureasil films with strong photoluminescence based on incorporated europium-thenoyltrifluoroacetone-bipyridine complexes, *Thin Solid Films*, **2002**, 416, 279.

24. **V. Bekiari** and P. Lianos 'Muticolor emission from terpyridine-lanthanide ion complexes encapsulated on nanocomposite silica/poly(ethylene glycol) sol-gel matrices', *Journal of Luminescence*, **2003**, 101, 135 .
25. **V. Bekiari** and P. Lianos 'Photophysical studies on Terpyridine-Eu<sup>3+</sup> complexes in sol-gel nanocomposite materials' *Journal of Sol-Gel Science and Technology*, **2003**, 26, 887.
26. T. Brankova, **V. Bekiari** and P. Lianos 'Photoluminescence emission from sol-gel organic/inorganic hybrid gels obtained through carboxylic acids solvolysis', *Chemistry of Materials*, **2003**, 15, 1855.
27. **V. Bekiari**, P. Judeinstein and P. Lianos 'A sensitive fluorescent sensor of lanthanide ions', *Journal of Luminescence*, **2003**, 104, 13.
28. **V. Bekiari** and P. Lianos 'The unusual luminescence properties of 2,2',2''' terpyridine-metal ion complexes', *Chemical Physics Letters*, **2004**, 383, 59.
29. **V. Bekiari**, K. Pagonis, G. Bokias and P. Lianos 'Study of Poly(N,N-dimethylacrylamide)/CdS nanocomposite organic/inorganic gels', *Langmuir*, **2004**, 20, 7972.
30. E. Katsoulakou, **V. Bekiari**, C.P. Raptopoulou, A. Terzis, P. Lianos, E. Mannesi-Zoupa and S.P. Perlepes 'Dinuclear versus tetranuclear cluster formation in zinc(II) nitrate/di-2-pyridyl ketone chemistry: synthetic, structural and spectroscopic studies', *Spectrochim. Acta A*, **2005**, 61, 1627.
31. **V. Bekiari** and P. Lianos 'Intrinsic photoluminescence from gels containing amine or amide chemical groups', *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 372.
32. **V. Bekiari** and P. Lianos 'Ureasil gels as highly efficient adsorbent for water purification', *Chemistry of Materials*, **2006**, 18, 4142.
33. K. A. Thiakou, **V. Bekiari**, C. P. Raptopoulou, V. Pscharis, P. Lianos and S. P. Perlepes 'Dinuclear lanthanide(III) complexes from the use of di-2-pyridyl ketone: Preparation, structural characterization and spectroscopic studies', *Polyhedron*, **2006**, 25, 2869.
34. **V. Bekiari** and P. Lianos 'Photophysical behavior of terpyridine-lanthanide-ion complexes in a Poly(N,N,-dimethylacrylamide) hydrogel', *Langmuir*, **2006**, 22, 8602.

35. S. Avramiotis, V. Papadimitriou, E. Hatzara, **V. Bekiari**, P. Lianos and A. Xenakis, ‘Lecithin Organogels Used as Bioactive Compounds Carriers. A Microdomain Properties Investigation’ *Langmuir*, **2007**, 23, 4438.
36. **V. Bekiari** and P. Lianos ‘Use of Ureasil gels to extract small ions from aqueous solutions’, *Journal of Hazardous Materials*, **2007**, 147, 184 .
37. N. Strataki, **V. Bekiari** and P. Lianos ‘Study of the conditions affecting dye adsorption on titania films and of their effect on dye photodegradation rates’, *Journal of Hazardous Materials*, **2007**, 146, 514.
38. N. Strataki, **V. Bekiari**, E. Stathatos and P. Lianos ‘Effect of aggregation of dyes adsorbed on nanocrystalline titania films on the efficiency of photodegradation’, *Journal of Photochemistry and Photobiology A : Chemistry* , **2007**, 191, 13.
39. N. Strataki, **V. Bekiari**, D.I. Kondarides and P. Lianos ‘Hydrogen production by photocatalytic alcohol reforming employing highly efficient nanocrystalline titania films ’ *Applied Catalysis B: Environmental*, **2007**, 77, 184.
40. **V. Bekiari**, M. Sotiropoulou, G. Bokias and P. Lianos ‘Use of poly(N,N-dimethylacrylamide-co-sodium acrylate) hydrogel to extract cationic dyes and metals from water’ *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2008**, 312, 214.
41. **V. Bekiari**, K.A. Thiakou, C.P. Raptopoulou, S.P. Perlepes and P. Lianos ‘Structure and photophysical behavior of 2,2'-bipyrimidine/lanthanide ion complexes in various environments’ *Journal of Luminescence*, **2008**, 128, 481.
42. A. D. Katsenis, N. Lalioti, **V. Bekiari**, P. Lianos, C.P. Raptopoulou, A. Terzis, S.P. Perlepes and G.S. Papaefstathiou ‘[Initial use of 1-hydroxybenzotriazole in the chemistry of group 12 metals: An 1D zinc\(II\) coordination polymer and a mononuclear cadmium\(II\) complex containing the deprotonated ligand in a novel monodentate ligation mode](#)’ *Inorganic Chemistry Communications*, **2009**, 12, 92.
43. A. Kagkelari, **V. Bekiari**, E. Stathatos, G.S. Papaefstathiou, C.P. Raptopoulou, T.F. Zafiropoulos and P. Lianos ‘[Photoluminescence and electroluminescence by gallium\(III\) complexes of N-salicylidene-o-aminophenol and its derivatives](#)’ *Journal of Luminescence*, **2009**, 129, 578.
44. C. Varlikli, **V. Bekiari**, M. Kus, N. Boduroglu, I. Oner, P. Lianos, G. Lyberatos and S. Icli, ‘Adsorption of dyes on Sahara desert sand’, *Journal of Hazardous Materials*, **2009**, 170, 27.

45. K.F. Konidaris, E. Katsoulakou, M. Kaplanis, **V. Bekiari**, A. Terzis, C.P. Raptopoulou, E. Manessi-Zoupa and S.P. Perlepes, ‘A tetrahedron in a cube: A dodecanuclear Zn<sup>II</sup> benzoate cluster from the use of 2-pyridinealdoxime’, *Dalton Transactions*, **2010**, 39, 4492.
46. **V. Bekiari** and P. Lianos, ‘Poly(sodium acrylate) hydrogels as potential pH-sensitive sorbents for the removal of model organic and inorganic pollutants from water’, *Global Nest Journal*, **2010**, 12, 262.
47. P. Avramidis, **V. Bekiari**, E. Tsotsis and E. Kalimani, ‘Seasonal variation of nutrients, COD and BOD5 in Klisova lagoon channels, (S.E. Mesolonghi – Aetoliko lagoon complex) W. Greece’, *Fresenius Environmental Bulletin*, **2010**, 19, 3242.
48. E. Katsoulakou, **V. Bekiari**, C.P. Raptopoulou, A. Terzis, E. Manessi-Zoupa, A. Powell and S.P. Perlepes, ‘Simultaneous coordination of a ketone by two cadmium(II) ions and conversion to its gem-diolate(- 1) form’, *Inorganic Chemistry Communications*, **2011**, 14, 1057.
49. K.F. Konidaris, **V. Bekiari**, E. Katsoulakou, C.P. Raptopoulou, V. Pscharis, S.P. Perlepes, T.C. Stamatatos E. and Manessi-Zoupa, ‘Initial employment of pyridine-2-amidoxime in zinc(II) chemistry: Synthetic, structural and spectroscopic studies of mononuclear and dinuclear complexes’, *Inorganica Chimica Acta*, **2011**, 376, 470.
50. D.I. Alexandropoulos, S. Mukherjee, C. Papatriantafyllopoulou, S.P. Raptopoulou, V. Pscharis, **V. Bekiari**, G. Christou and T.C. Stamatatos, ‘A new family of nonanuclear lanthanide clusters displaying magnetic and optical properties’, *Inorganic Chemistry*, **2011**, 50, 11276.
51. K. F. Konidaris, **V. Bekiari**, E. Katsoulakou, C.P. Raptopoulou, V. Pscharis, E. Manessi-Zoupa, G. E. Kostakis and S.P. Perlepes, ‘Investigation of the zinc(II)-benzoate-2-pyridinealdoxime reaction system’, *Dalton Transactions*, **2012**, 41, 3797.
52. E. Katsoulakou, D. Dermitzaki, K. F. Konidaris, E. E. Moushi, C. P. Raptopoulou, V. Pscharis, A. J. Tasiopoulos, **V. Bekiari**, E. Manessi-Zoupa, S. P. Perlepes and T. C. Stamatatos, ‘Hexanuclear zinc(II) carboxylate complexes from the use of pyridine-2,6-dimethanol: Synthetic, structural and photoluminescence studies’, *Polyhedron*, **2013**, 52, 467.

53. S. Tella, **V. Bekiari**, V. G. Kessler and G. S. Papaefstathiou, 'Gallium(III) complexes based on N,N'-bis(salicylidene)propane-1,3-diamine and its derivatives', *Polyhedron*, **2013**, 64, 77.
54. N. C. Anastasiadis, C. M. Granadeiro, N. Klouras, L. Cunha-Silva, C. P. Raptopoulou, V. Pscharis, **V. Bekiari**, S. S. Balula, A. Escuer, and S. P. Perlepes, 'Dinuclear Lanthanide(III) Complexes by Metal-Ion-Assisted Hydration of Di-2-pyridyl Ketone Azine', *Inorganic Chemistry*, **2013**, 52, 4145.
55. P. Avramidis, **V. Bekiari**, N. Kontopoulos and N. Kokidis, 'Shallow coastal lagoon sediment characteristics and water physicochemical parameters-Myrtari lagoon, Mediterranean sea, western Greece', *Fresenius Environmental Bulletin*, **2013**, 22, 1628.
56. P. Avramidis, A. Samiotis, E. Kalimani, D. Papoulis, P. Lamropoulou and **V. Bekiari**, 'Sediment characteristics and water physicochemical parameters of the Lysimachia Lake, Western Greece', *Environmental Earth Sciences*, **2013**, 70, 383.
57. **V. Bekiari** and P. Avramidis, 'Data quality in water analysis: validation of combustion-infrared and combustion-chemiluminescence methods for the simultaneous determination of Total Organic Carbon (TOC) Total Nitrogen (TN)', *International Journal of Environmental Analytical Chemistry*, **2014**, 94, 65.
58. G. Panagopoulos, **V. Bekiari**, N. Lambrakis, P. Avramidis, C. Nikolaou, D. Koroniotis and C. Poulios, 'Hydrogeological and hydrochemical research of the vocha alluvial aquifer, korinthia prefecture, greece', *SGEM*, **2014**, 2, 481
59. D. I. Alexandropoulos, A.M. Mowson, M. Pilkington, **V. Bekiari**, G. Christou and T.C. Stamatatos, 'Emissive molecular nanomagnets: Introducing optical properties in triangular oximato {MnIII 3} SMMs from the deliberate replacement of simple carboxylate ligands with their fluorescent analogues', *Dalton Transactions*, **2014**, 43, 1965.
60. D. I. Alexandropoulos, L. Cunha-Silva, L. Pham, **V. Bekiari**, G. Christou and T.C. Stamatatos, 'Tetranuclear lanthanide(III) complexes with a zigzag topology from the use of pyridine-2,6-dimethanol: Synthetic, structural, spectroscopic, magnetic and photoluminescence studies', *Inorganic Chemistry*, **2014**, 53, 3220.
61. D. I. Alexandropoulos, A. Fournet, L. Cunha-Silva, A.M.. Mowson, **V. Bekiari**, G. Christou and T.C. Stamatatos, 'Fluorescent naphthalene diols as bridging ligands in LnIII cluster chemistry: Synthetic, structural, magnetic, and photophysical characterization of LnIII 8 "christmas Stars"' *Inorganic Chemistry*, **2014**, 53, 5420.

62. M. Zamparas, G. Linardatos, G. Bokias and **V. Bekiari**, ‘Ionic hydrogels as potential sorbent materials of organic and inorganic pollutants’, *Journal of Surfaces and Interfaces of Materials*, **2014**, 2, 299.
63. H. Nikolaou, A. Terzis, C.P. Raptopoulou, V. Psycharis, **V. Bekiari** and S.P. Perlepes, ‘Unique Dinuclear, Tetrakis(nitrato-O,O')-Bridged Lanthanide(III) Complexes from the Use of Pyridine-2-Amidoxime: Synthesis, Structural Studies and Spectroscopic Characterization’, *Journal of Surfaces and Interfaces of Materials*, **2014**, 2, 311.
64. N.C. Anastasiadis, C.D. Polyzou, G.E. Kostakis, **V. Bekiari**, Y. Lan, S.P. Perlepes, K.F. Konidaris, A.K. Powell, ‘Dinuclear lanthanide(III)/zinc(II) complexes with methyl 2-pyridyl ketone oxime’, *Dalton Transactions*, **2015**, 44, 19791.
65. E.C. Mazarakioti, L. Cunha-Silva, **V. Bekiari**, A. Escuer and T.C. Stamatatos, ‘New structural topologies in 4f-metal cluster chemistry from vertex-sharing butterfly units: {Ln III 7 } complexes exhibiting slow magnetization relaxation and ligand-centred emissions’, *RSC Advances*, **2015**, 5, 92534.
66. P. Avramidis, **V. Bekiari**, D. Christodoulou, and G. Papatheodorou, ‘Sedimentology and water column stratification in a permanent anoxic Mediterranean lagoon environment, Aetoliko Lagoon, western Greece’, *Environmental Earth Sciences*, **2015**, 73, 5687.
67. **V. Bekiari**, K. Nikolaou, N. Koromilas, G. Lainioti, P. Avramidis, G. Hotos, J. K. Kallitsis and G. Bokias, ‘Release of Polymeric Biocides from Synthetic Matrices for Marine Biofouling Applications’, *Agriculture and Agricultural Science Procedia*, **2015**, 4, 445-450.
68. G. Linardatos, M. Zamparas, **V. Bekiari**, G. Bokias and G. Hotos ‘Sorption of Charged Organic Dyes from Anionic Hydrogels’, *World Academy of Science, Engineering and Technology*, **2015**, 9, 261-264.
69. P. Avramidis, K. Nikolaou and **V. Bekiari**, ‘Total Organic Carbon and Total Nitrogen in Sediments and Soils: A Comparison of the Wet Oxidation – Titration Method with the Combustion-infrared Method’, *Agriculture and Agricultural Science Procedia*, **2015**, 4, 425-430.
70. P.S. Perlepe, L. Cunha-Silva, **V. Bekiari**, K.J. Gagnon, S.J. Teat, A. Escuer and T.C. Stamatatos, ‘Structural diversity in NiII cluster chemistry: Ni5, Ni6, and {NiNa2}:N complexes bearing the Schiff-base ligand N -naphthalidene-2-amino-5-chlorobenzoic acid’, *Dalton Transactions*, **2016**, 45, 10256

71. Y. Cladas, G. Papantoniou, **V. Bekiari**, and N. Fragopoulou, ‘Dystrophic event in Papas lagoon, Araxos Cape, western Greece in the summer 2012’, *Mediterranean Marine Science*, **2016**, 17, 32.
72. P. Avramidis, K. Nikolaou, K. Poulos, **V. Bekiari** and A. Vantarakis, ‘Environmental characterization of a Mediterranean protected shallow brackish coastal aquatic system, Klisova Lagoon, Western Greece: a case study’, *Journal of Coastal Conservation*, **2017**, 21, 115.
73. **V. Bekiari**, G. Panagopoulos, D. Papoulis and D. Panagiotaras, ‘Use of halloysite nanotubes to reduce ammonium concentration in water and wastewaters’, *Materials Research Innovations*, **2017**, 21, 313.
74. I. Mylonas-Margaritis, A.A. Kitos, C.C. Panteli, K. Skordi, A.J. Tasiopoulos, **V. Bekiari**, A. Escuer, and S.P. Perlepes, ‘2-hydroxybenzophenone-controlled self-assembly of enneanuclear lanthanide(III) hydroxo coordination clusters with an “hourglass”-like topology’, *Inorganic Chemistry Communications*, **2017**, 83, 118.
75. D. Panagiotaras, **V. Bekiari**, E. Stathatos, D. Papoulis, G. Panagopoulos, A.N. Kalarakis, I. Iliopoulos, E. Kourkouta and P. Mavrokota, ‘Use of halloysite–TiO<sub>2</sub> nanocomposites for the decomposition of tebuconazole’, *Desalination and Water treatment*, **2018**, 127, 132.
76. D. Maniaki, I. Mylonas-Margaritis, Julia Mayans, A. Savvidou, C.P. Raptopoulou, **V. Bekiari**, V. Pscharis, A. Escuer and S. P. Perlepes, ‘Slow magnetic relaxation and luminescence properties in lanthanide(III)/anil complexes’, *Dalton Transactions*, **2018**, 47, 11859.
77. S.T. Tsantis, **V. Bekiari**, C. P. Raptopoulou, D. I. Tzimopoulos, V. Pscharis and S. P. Perlepes, ‘Dioxidouranium(IV) complexes with Schiff bases possessing an ONO donor set: Synthetic, structural and spectroscopic studies’, *Polyhedron*, **2018**, 152, 172.
78. D. Drouvari, N. D. Koromilas, **V. Bekiari**, G. Bokias and J. K. Kallitsis, ‘Polymeric Antimicrobial Coatings Based on Quaternary Ammonium Compounds’, *Coatings*, **2018**, 8, 8.
79. I. Mylonas-Margaritis, D. Maniaki , J. Mayans, L. Ciammaruchi, **V.Bekiari** , C. P. Raptopoulou , V. Pscharis , S. Christodoulou , A. Escuer and S. P. Perlepes, ‘Mononuclear Lanthanide(III)-Salicylideneaniline Complexes: Synthetic, Structural, Spectroscopic, and Magnetic Studies’, *Magnetochemistry*, **2018**, 4, 45.

80. S. T. Tsantis, A. Lagou-Rekka, K.F. Konidaris, C.P. Raptopoulou, **V. Bekiari**, V. Pscharis and S.P. Perlepes, ‘Tetranuclear oxido-bridged thorium(iv) clusters obtained using tridentate Schiff bases’, *Dalton Transactions*, **2019**, 48, 15668.
81. N.C. Anastasiadis, C.M. Granadeiro, J. Mayans, C.P. Raptopoulou, **V. Bekiari**, L. Cunha-Silva, V. Pscharis, S.S. Balula, K.F. Konidaris and S.P. Perlepes, ‘Multifunctionality in two families of dinuclear lanthanide(III) complexes with a tridentate Schiff-base ligand’, *Inorganic Chemistry*, **2019**, 58, 9581.
82. N. Vlahos, E. Levizou, P. Stathopoulou, P. Berillis, E. Antonopoulou, **V. Bekiari**, N. Krigas, K. Kormas and E. Mente, ‘An experimental brackish aquaponic system using juvenile gilthead sea bream (*Sparus Aurata*) and rock samphire (*Critmum maritimum*)’, *Sustainability*, **2019**, 11, Article Number 4820.
83. A. Tsagdi , D. Druvari, D. Panagiotaras, P. Avramidis, **V. Bekiari** and J. K. Kallitsis, ‘Polymeric Coatings Based on Water-Soluble Trimethylammonium Copolymers for Antifouling Applications’, *Molecules*, **2020**, 25, Article Number 1678.
84. P. S. Perlepe, K.N. Pantelis, L. Cunha-Silva, **V. Bekiari**, A. Escuer and T. C. Stamatatos, ‘Rare Nuclearities in Ni(II) Cluster Chemistry: An Unprecedented {Ni<sub>12</sub>} Nanosized Cage from the Use of N-Naphthalidene-2-Amino-5-Chlorobenzoic Acid’, *Inorganics*, **2020**, 8, 32.
85. S.T. Tsantis, **V. Bekiari**, D.I. Tzimopoulos, C.P. Raptopoulou, V. Pscharis, A. Tsipis and S.P. Perlepes, ‘Reactivity of coordinated 2-pyridyl oximes: Synthesis, structure, spectroscopic characterization and theoretical studies of dichlorodi[(2-pyridyl)furoxan]zinc(II) obtained from the reaction between zinc(II) nitrate and pyridine-2-chloroxime’, *Inorganics*, **2020**, 8, 47.
86. C.D. Polyzou, H. Nikolaou, C.P. Raptopoulou, K.F. Konidaris, **V. Bekiari**, V. Pscharis and S.P. Perlepes, ‘Dinuclear lanthanide(Iii) complexes from the use of methyl 2-pyridyl ketoxime: Synthetic, structural, and physical studies’, *Molecules*, **2021**, 26, Article Number 1622.
87. C. Stamou, W. Papawassiliou, J. P. Carvalho, K.F. Konidaris, **V. Bekiari**, P. Dechambenoit, A.J. Pell and S.P. Perlepes, ‘Indium(III) in the "periodic Table" of Di(2-pyridyl) Ketone: An Unprecedented Transformation of the Ligand and Solid-State <sup>115</sup>In NMR Spectroscopy as a Valuable Structural Tool’, *Inorganic Chemistry*, **2021**, 60, 4829.

88. P. Avramidis and **V. Bekiari**, ‘Application of a catalytic oxidation method for the simultaneous determination of total organic carbon and total nitrogen in marine sediments and soils’, *PLoSOne*, **2021**, 16, Article number e0252308.
89. S. Meropoulos, G. Rassias, **V. Bekiari** and C.A. Aggelopoulos, ‘Structure-Degradation efficiency studies in the remediation of aqueous solutions of dyes using nanosecond-pulsed DBD plasma’, *Separation and Purification Technology*, **2021**, 274, Article number 119031.
90. G.T. Papanikolaou, A. Kourtelaris, K.N. Pantelis, **V. Bekiari**, A.J. Tasiopoulos and T.C. Stamatatos, ‘Zinc(II) vs cadmium(II) in organic chelate-free chemistry: Synthesis and characterization of 1-D  $[Zn_2(N_3)_4(MeCN)_3]_n$  and 2-D  $[Cd_3(N_3)_6(MeCN)_2]_n$  coordination polymers’, *Polyhedron*, **2021**, 208, Article number 115423.
91. C.T. Chasapis, M. Peana, **V. Bekiari**, ‘Structural Identification of Metalloproteomes in Marine Diatoms, an Efficient Algae Model in Toxic Metals Bioremediation’, *Molecules*, **2022**, 27, 378.
92. E. Gianni, G. Panagopoulos, K. Katsanou, D. Panagiotaras, **V. Bekiari**, ‘Removal of total organic carbon from olive mill wastewater using palygorskite clay mineral’, *Desalination and Water Treatment*, **2022**, 254,50.
93. S. T. Tsantis, Z.G. Lada, D.I. Tzimopoulos, **V. Bekiari**, V. Phycharis, C.T. Raptopoulou, S.P. Perlepes, ‘Two different coordination modes of the Schiff base derived from ortho-vanillin and 2-(2-aminomethyl)pyridine in a mononuclear uranyl complex’, *Heliyon*, **2022**, 8(6), e09705.
94. C.D. Polyzou, P. Gkolfi, C.T. Chasapis, **V. Bekiari**, A. Zianna, G. Psomas, M. Ondrej, V. Tangoulis, ‘Stimuli-responsive spin crossover nanoparticles for drug delivery and DNA-binding studies’, *Dalton Transactions*, **2022**, 51, 12427.
95. M. Peana, A. Pelucelli, C.T. Chasapis, S.P. Perlepes, S.P. Perlepe, **V. Bekiari**, S. Medici, M.A. Zoroddu, ‘Biological Effects of Human Exposure to Environmental Cadmium’, *Biomolecules*, **2023**, 13, Article number 36.
96. D. Druvari, G.C. Lainioti, **V. Bekiari**, P. Avramidis, J.K. Kallitsis, G. Bokias, ‘Development of Antifouling Coatings Based on Quaternary Ammonium Compounds through a Multilayer Approach’, *International Journal of Molecular Sciences*, **2023**, 24, Article number 6594.
97. E. Gianni, D. Panagiotaras, I. Giannakis, D. Papoulis, **V. Bekiari**, G. Panagopoulos, P. Petrounias, A. Kalarakis, ‘Palygorskite–TiO<sub>2</sub> nanocatalysts for

- photocatalytic degradation of tebuconazole in water', *Water and Environment Journal*, **2023**, 37, 351.
98. E. Zygouri, **V. Bekiari**, G. Malis, N.K. Karamanos, C. Koutsakis, G. Psomas, V. Tangoulis, 'pH-Sensitive Gold Nanorods for Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) Delivery and DNA-Binding Studies', *Molecules*, **2023**, 28, Issue Article number 3780.
99. I. Mylonas-Margaritis, Z.G. Lada, A.A. Kitos, D. Maniaki, K. Skordi, **V. Bekiari**, A. Escuer, J. Mayans, V. Nastopoulos, E.G. Balkabassis, D. Papaioannou, 'Interesting chemical and physical features of the products of the reactions between trivalent lanthanoids and a tetradeятate Schiff base derived from cyclohexane-1,2-diamine', *Dalton Transactions*, **2023**, 52, 8332.
100. N. Vlahos, E. Levizou, E. Patsea, K. Tasiou, P. Berillis, E. Antonopoulou, **V. Bekiari**, N. Martou, K. Morfesis, D. Lazari, C. Chatzimavroudis, N. Krigas, K. Kormas, E. Mente, 'Salinity affects the efficiency of a brackish aquaponics system of sea bass (*Dicentrarchus labrax*) and rock samphire (*Crithmum maritimum*)', *Aquaculture*, **2023**, Volume 57130, Article number 739493.
101. G. Hotos, V. Bekiari, 'Absorption Spectra as Predictors of Algal Biomass and Pigment Content of the Cultured Microalgae *Amphidinium carterae*, *Isochrysis galbana*, *Nephroselmis* sp., and *Anabaena* sp.', *International Journal of Plant Biology*, **2023**, 14, 879.