

Dr. Miltiadis Zamparas

**List of publications**

## A. PEER-REVIEWED SCIENTIFIC ARTICLES

1. **Zamparas M.**, Gavriil G., Coutelieris F.A., Zacharias I., (2015). A theoretical and experimental study on the P-adsorption capacity of Phoslock™. *Applied Surface Science*, 335 147-152 (17 citations)
2. **Zamparas M.**, Drosos M., Deligiannakis Y., Zacharias I., (2015). Eutrophication control using a novel bentonite humic-acid composite material Bephos™. *Journal of Environmental Chemical Engineering*, 3(4) 3030-3036 (8 citations).
3. **Zamparas M.**, G. Linardatos, G. Bokias, V. Bekiari, (2014). Ionic Hydrogels as Potential Sorbent Materials of Organic and Inorganic Charged Pollutants, *Journal of Surfaces and Interfaces of Materials*, 2 299-304.
4. **Zamparas M.**, Zacharias I., (2014). Restoration of eutrophic freshwater by managing internal nutrient loads. A review. *Science of The Total Environment* 08/2014 (146 citations).
5. **Zamparas M.**, Drosos M., Georgiou Y., Deligiannakis Y., Zacharias I., (2013). A novel bentonite-humic acid composite material Bephos™ for removal of phosphate and ammonium from eutrophic waters. *The Chemical Engineering Journal*, 225 43-51 (54 citations).
6. **Zamparas M.**, Deligiannakis Y., Zacharias I., (2013). Phosphate adsorption from natural waters and evaluation of sediment capping using modified clays. *Desalination and water treatment*, 51(13-15) 2895-2902 (19 citations).
7. Gianni A., **Zamparas M.**, Ioannis T. Papadas, George Kehayias, Yannis Deligiannakis, Ierotheos Zacharias, (2013). Monitoring and Modeling of Metal Concentration Distributions in Anoxic Basins: Aitoliko Lagoon, Greece. *Aquatic Geochemistry* 19(1) 77-95 (7 citations) .
8. **Zamparas M.**, Gianni A., Stathi P., Deligiannakis Y., Zacharias I., (2012). Removal of phosphate from natural waters using innovative modified bentonites. *Applied Clay Science*, 62-63 101-106 (128 citations).
9. **Zamparas M.**, Linardatos, G., Bokias, G., Bekiari, V. Ionic Hydrogels as Potential Sorbent Materials of Organic and Inorganic Charged Pollutants. *Journal of Surfaces and Interfaces of Materials*, 2: 299-304.
10. **Zamparas M.**, Zacharias I., (2010). Mediterranean temporary ponds. A disappearing ecosystem. *Biodiversity & Conservation*, 19(14) 3827-3834 (92 citations).
11. Linardatos, G., **Zamparas M.**, Bekiari, V., Bokias, G., Hotos G., (2015). Sorption of Charged Organic Dyes from Anionic Hydrogels. *International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering*, 9: 11.
12. **Zamparas M.**, Kalavrouziotis I., (2018). Healthcare waste management in Greece. The example of Health Region of Western Greece, Peloponnese, Epirus and Ionian Islands, *Global Nest Journal*, 2:96-102 (1 citation).
13. **Zamparas M.**, Kapsalis C.V., Kanteraki E.A., Vardoulakis E., Kyriakopoulos L.G., Kalavrouziotis I.K., (2019). Composite materials as P-adsorption agents and their potential application as fertilizers, *Global Nest Journal*. (1 citation).
14. **Zamparas M.**, Drosos M., Kalavrouziotis I.K., (2019). Sorption of phosphate from innovative composite material focusing on physicochemical interactions, *Desalination and Water Treatment*, 151:212-218.
15. **Zamparas M.**, Kapsalis V.C., Kyriakopoulos G.L., Aravosis K.G., Kanteraki A.E., Vantarakis A., Kalavrouziotis I.K., (2019). Medical waste management and environmental

assessment in the Rio University Hospital, Western Greece, *Sustainable Chemistry and Pharmacy*, 13,100163 (2 citations).

16. **Zamparas M.**, Kyriakopoulos G.L., Kapsalis V.C., (2019). Application of novel composite materials as sediment capping agents: Column experiments and modelling. *Desalination and Water Treatment*, in press.
17. Kyriakopoulos G.L., Kapsalis V.C., Aravosis K.G., **Zamparas M.**, Mitsikas A., (2019). Evaluating circular economy under a multi-parametric approach: A technological review, *Sustainability*.

## B. NON-REFEREED SCIENTIFIC ARTICLES

1. **Zamparas M.**, Stathi P., Deligiannakis Y and Zacharias I., (2011). Removal of phosphate from natural waters using modified bentonites. Third International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2011) & SECOTOX Conference. Skiathos, June 19-24.
2. **Zamparas M.**, Zacharias I., (2011). Removal of phosphate from natural waters using innovative modified clays. 16th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean. Ioannina. September 24-27.
3. **Zamparas M.**, Stathi P., Deligiannakis Y., Zacharias I., (2011). Adsorption of phosphate using laminate clays and their applicability in eutrophic environments. 2nd Congress ARYs "Development and evaluation of sorbent materials for environmental applications. Patras 7-8 July.
4. **Zamparas M.**, Gianni A., Papadas I., Deligiannakis Y., Zacharias I., (2012). Monitoring and modeling of metal Fe & Mn concentration distributions in anoxic basins: aitoliko lagoon-greece. 10th Hellenic Symposium of Oceanography and Fisheries. Athens, May 7-11.
5. **Zamparas M.**, Gianni A., Kordatou A., Kyrili M., Zacharias I., (2012). Natural Zeolite as a restoration tool in eutrophic and anoxic waters. 50 ECSA, Estuarine, Coastal and Shelf Science, Venice, Italy, 3-7 June.
6. **Zamparas M.**, Perivolari A., Tsiligeridou S., Deligiannakis Y., Zacharias I., (2013). Αποκατάσταση ευτροφικών νερών με τη χρήση του Bephos™. 4ο Συνέδριο ΑΡΥς « Ανάπτυξη και αξιολόγηση ροφητικών υλικών για περιβαλλοντικές εφαρμογές. Πάτρα 27-28 Ιουνίου.
7. **Zamparas M.**, Vekiou V., Deligiannakis Y., Zacharias I., 2014. Restoration of eutrophic water bodies with Bephos™ by managing internal nutrient loads. International Water Association (IWA), Regional Symposium on Water, Wastewater and Environment, Patras, Greece, 22-24 March.
8. **Zamparas M.**, Drosos M., Deligiannakis Y., Zacharias I., (2014). A novel bentonite humic acid composite material Bephos™ as an environmental-friendly tool in phosphate and ammonium management in natural waters. 17th Meeting of the International Humic Substances Society, Natural Organic Matter: Structure-Dynamics-Innovative applications. Ioannina, 1-5 September.
9. **Zamparas M.**, Kappa S., Deligiannakis Y., Zacharias I., (2014). Eutrophication control of Lake Pamvotis (NW Greece) using a novel bentonite humic composite material Bephos™. 17th Meeting of the International Humic Substances Society, Natural Organic Matter: Structure-Dynamics-Innovative applications. Ioannina, 1-5 September.

10. **Zamparas M.**, Bekiari V., Bokias G., (2014). Organic hydrogels as potential sorbent materials for water purification. 10th Hellenic Polymer Society Conference with International Participation (10th HPSC). Rio-Patras, Greece, 4-6 December.
11. **Zamparas M.**, Bekiari V., Bokias G., (2014). Ionic hydrogels as potential sorbent materials of organic dyes. 10th Hellenic Polymer Society Conference with International Participation (10th HPSC). Rio-Patras, Greece, 4-6 December.
12. **Zamparas M.**, Gavriil G., Coutelieres F.A., Zacharias I., (2015). [Πειραματική και θεωρητική μελέτη της προσρόφησης σε Phoslock](#). 10ο Συνέδριο Χημικής Μηχανικής, Πάτρα, 4-6 Ιουνίου.
13. Panagopoulos G., Papoulis D., **Zamparas M.**, Bekiari V., Panagiotaras D., (2015). Use of clay minerals to reduce ammonium concentration in groundwater. EWRA 9th WORLD CONGRESS Water Resources Management in a Changing World: Challenges and Opportunities. Istanbul, 10-13 June.
14. Bekiari V., **Zamparas M.**, Linardatos G., Bokias G., (2015). Ionic hydrogels as potential sorbent materials for charged organic dyes. Proceedings of the 14th International Conference on Environmental Science and Technology. Rhodes, Greece, 3-5 September.
15. Bekiari V., Linardatos G., **Zamparas M.**, Bokias G., Avramidis P., (2015). Organic hydrogels as potential sorbent materials for positively charged metal ions. Proceedings of the 14th International Conference on Environmental Science and Technology. Rhodes, Greece, 3-5 September.
16. **Zamparas M.**, Kalavrouziotis I.K., (2016). Healthcare waste management in Greece. A study of 31 hospital units. 13th International Conference on Protection and Restoration of the Environment, Mykonos island, Greece, 3-8 July.
17. **Ζαμπάρας Μ.**, Καλαβρουζιωτης Ι., (2017). ΔΙΑΧΕΙΡΙΣΗ ΑΠΟΒΛΗΤΩΝ ΝΟΣΟΚΟΜΕΙΑΚΩΝ ΜΟΝΑΔΩΝ ΣΤΗΝ ΕΛΛΑΔΑ. Η ΠΕΡΙΠΤΩΣΗ 31 ΝΟΣΟΚΟΜΕΙΑΚΩΝ ΜΟΝΑΔΩΝ ΤΗΣ 6ης ΥΠΕ. 11ο Πανελλήνιο Επιστημονικό Συνέδριο Χημικής Μηχανικής, 25 - 27.
18. **Zamparas M.**, Kalavrouziotis I.K., (2017). Healthcare waste management in Greece. The example of Health Region of Western Greece, Peloponnese, Epirus and Ionian Islands. 15th International Conference on Environmental Science And Technology 31st August - 2nd September 2017, Rhodes, Greece.
19. Kapsalis V.C., Aravossis K., **Zamparas M.**, Kanteraki A., Kalavrouziotis I.K., (2018). Waste management in Greece: Current situation, perspectives and proposals. Fifth International Symposium on Green Chemistry, Sustainable Development and Circular Economy. September 30 to October 03 , Skiathos, Greece.
20. **Zamparas M.**, Kapsalis V.C., Kanteraki A., Kalavrouziotis I.K., (2018). Waste management and environmental assessment in Rio University Hospital, Greece. Fifth International Symposium on Green Chemistry, Sustainable Development and Circular Economy. September 30 to October 03 , Skiathos, Greece.
21. Kyriakopoulos G.L., Kapsalis V.C., Vardoulakis E., **Zamparas M.**, Kalavrouziotis I.K., (2019). Development of circular economy under contemporary socio-environmental contexts: A literature overview. Proceedings of the 15th International Conference on Environmental Science and Technology (CEST). Rhodes, Greece, 4-7 September.
22. Vardoulakis E., **Zamparas M.**, Kapsalis V.C., Krimpali S., (2019). Energy Payback Time and Greenhouse Gas Emissions of Solar Photovoltaics. A 7-year case study of a solar-farm in Western Greece. Proceedings of the 15th International Conference on Environmental Science and Technology (CEST). Rhodes, Greece, 4-7 September.
23. **Zamparas M.**, Drosos M., Stamatakos G., Kapsalis V.C., Vardoulakis E., Kanteraki A., Kotsiris G., Kalavrouziotis I.K., (2019). Exploitation of organic residues in a citrus

processing plant through composting. Identification of applications in soils and crops. Proceedings of the 15th International Conference on Environmental Science and Technology (CEST). Rhodes, Greece, 4-7 September.

24. Vantarakis A., Velissari J., **Zamparas M.**, (2019). Greek municipalities currently promote health and health equity? 12th European Public Health Conference, 20-23 November 2019, Marseille, France.

### **C. SCIENTIFIC BOOKS**

"Chemical Lake Restoration: Technologies Innovativeness and Economic Perspectives", Springer Nature. Under publication.

Editors: Dr. Miltiadis Zamparas, and guest co-editor: Dr. Grigorios Kyriakopoulos.

### **D. PUBLICATIONS INTENDED FOR THE GENERAL PUBLIC, LINKED TO THE APPLICANT'S RESEARCH**

**Zamparas M.**, (2011). Protected areas or battlefields? The example of Amvrakikos Gulf. *Ecological Inspection* (in Greek).

**Zamparas M.**, (2012). The historical development of environmental law in Greece. *Monumenta*, magazine for the protection of natural and architectural heritage of Greece and Cyprus (in Greek).

Publication '**Toolkit on Environmental Law and Youth Participation**' was initiated during the study session 'European Environmental Law and Youth Participation' that took place in March 2012 in the European Youth Center Strasbourg. During the special session devoted to creating the booklet at the study session, participants brainstormed on the content of the publication and created first drafts of chapters.

**Zamparas M.**, (2013). Wastewater reuse in Greece: Contribution to sustainability. *Waste and Water Magazine* (in Greek).

**Zamparas M.**, (2013) Sustainable development. A critical appraisal. Thoughts for the future. *Ecological Inspection* (in Greek).

**Zamparas M.**, (2014). #Environment&Development. Article on World Day of Environment. *Event Journal* (in Greek).

### **E. THESES**

**Zamparas M.**, (2019). The Role of Emotional Intelligence in Management to Motivate Human Resources in the Health Sector. University of Peloponnese, School of Social Sciences, Department of Social and Educational Policy, Master Thesis.

**Zamparas M.**, (2015). Development of physicochemical methods for restoring eutrophic water bodies, Department of Environmental Engineering (Former Department of Environment and Natural Resources), School of Engineering, University of Patras, PhD Thesis.

**Zamparas M.**, (2011). Study of the removal of phosphorus and ammonia from eutrophic environments using laminate clay materials. Department of Environment and Natural Resources, University of Ioannina, Master Thesis.

## **F. PATENTS**

Zacharias, G., Deligiannakis, **M. Zamparas**, M. Drossos. Patent (Industrial Property Organization, OBI number: 20110100702) on "BePHOS®. Adsorbent for removing phosphorus and ammonia from water".