

# CURRICULUM VITAE

**Dr. MARIA ANTONOPOULOU**

**ASSISTANT PROFESSOR**

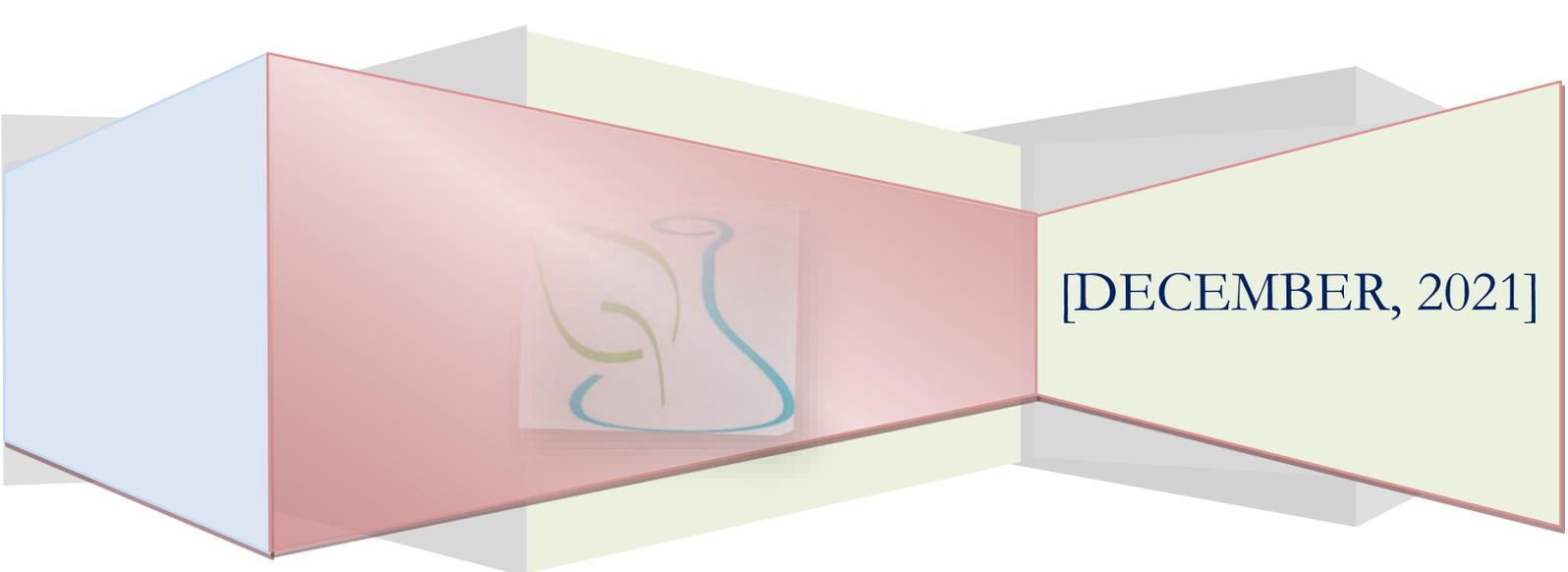
**Department of Environmental Engineering,**

**University of Patras**

**Collaborating Researcher**

**Photo-catalytic Processes and Environmental Chemistry Laboratory**

**(Institute of Nanoscience and Nanotechnology- NCSR Demokritos)**



**[DECEMBER, 2021]**

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## 1. PERSONAL DATA

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## 2. ACADEMIC QUALIFICATIONS

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### I. ACADEMIC TITLES-EDUCATION

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► *2008 (March)*: Degree in Chemistry, Department of Chemistry, Chemistry Department, National and Kapodistrian University of Athens, (UOA).

► *2008 (March)*: Training in Oenology - Oenological Education Program, Department of Chemistry (UOA), Oenologist professional license.

► *2010 (October)*: Inter-departmental MSc Program "Sustainable Management of Protected Areas" Direction: Technology Management for Protected Areas, University of Ioannina, MSc Supervisor: Associate Prof. I.K. Konstantinou.

► *2013(November)*: Ph.D. in the fields of Chemistry and Environmental Science, Department of Environmental and Natural Resources Management, Department of School of Engineering, University of Patras, **Thesis**: "Photocatalytic degradation of priority organic pollutants in aquatic systems" Thesis Supervisor: Associate Prof. I.K. Konstantinou. (PhD Thesis Defense Oral Presentation: 28/11/2013; Conferral Date: 7/5/2014; PhD Graduation Ceremony: 21/5/2014).

► *2013 (December)- 2018 (January)*: Post-doctoral research in Department of Environmental and Natural Resources Management, Department of Environmental and Natural Resources Management, Department of School of Engineering, University of Patras.

► 2018(February)-(2021) February: Post-doctoral researcher in Institute of Nanoscience and Nanotechnology- NCSR Demokritos (Catalytic-Photocatalytic Processes and Environmental Analysis Laboratory).

► (2021) February-Up to now: Assistant Professor, Department of Environmental Engineering, University of Patras

## II. SHORT- TERM SCIENTIFIC EDUCATION

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► Shimadzu Training Course-Training Shimadzu LCMS-8040, 28.05.2013 30.05.2013/ 03.09.2013-04.09.2013, Agrinio, Greece

► Training course in the fundamentals, applications and instrumentation of ION CHROMATOGRAPHY-PRESSURE ION CHROMATOGRAPHY CAPILLARY ION CHROMATOGRAPHY, THERMO FISHER SCIENTIFIC / DIONEX, 10.10.2013, Patra, Greece

► Training course “Basic Operator Training Course-Low Molecular Weight Applications” with an micrOTOF focus II, 29.06.2015-01.07.2015, Bruker Daltonik GmbH, Bremen, Germany

► Training course “Multi Target-Screening” with an micrOTOF focus II, 02.07.2015, Bruker Daltonik GmbH, Bremen, Germany

► Training course “Metabolites Tools” with an micrOTOF focus II, 03.07.2015, Bruker Daltonik GmbH, Bremen, Germany

## III. PERSONAL SKILLS

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### Languages

Mother tongue: Greek

Other languages:

- ✓ English (Certificate of English Language Proficiency – Michigan University, Level: Excellent).
- ✓ German (Mittelstufe-Goethe Institut, Level: Very Good)

### Computer Knowledge

- European Computer Driving License (ECDL)
- Knowledge of SPSS και Statistica Softwares
- Knowledge of Design Expert Software Modeling and optimization of chemical reactions and/or industrial processes

### 3. POSITIONS-WORK EXCELLENCE

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- ▶ *2021(March)-today*: Assistant Professor, Department of Environmental Engineering, University of Patras
  
- ▶ *2018(February)- 2021(February)*: Post-doctoral researcher in Institute of Nanoscience and Nanotechnology- NCSR Demokritos (Photo-catalytic Processes and Environmental Chemistry Laboratory)
  
- ▶ *2018(August)-2018 (October)*: Visiting Researcher, Environmental Engineering and Science Program, Department of Chemical and Environmental Engineering (DChEE), University of Cincinnati (UC)
  
- ▶ *2013 (December)- 2018 (January)*: Post-doctoral research in Department of Environmental and Natural Resources Management, Department of Environmental and Natural Resources Management, Department of School of Engineering, University of Patras
  
- ▶ *2017(October)- 2018(February)*Department of Environmental and Natural Resources Management, University of Patras, Environmental Pollution Control (Course)
  
- ▶ *2017(March)- 2017(June)* Adjunct Associate Professor, Department of Environmental and Natural Resources Management, University of Patras, Organic Chemistry (Course)
  
- ▶ *2017(March)- 2017(May)*Adjunct Assistant Professor, Department of Chemistry, University of Patras, Instrumental Analysis II (Lab)
  
- ▶ *2016 (November)- 2017 (February)* Academic Teaching, Department of Chemistry, University of Ioannina, Environmental Protection Technology (Course)
  
- ▶ *2016 (April)- 2016 (August)* Adjunct Lecturer, Department of Environmental and Natural Resources Management, University of Patras, Organic Chemistry (Course)
  
- ▶ *2016 (April)- 2016 (June)*Adjunct Assistant Professor, Department of Chemistry, University of Patras, Instrumental Analysis II (Lab)
  
- ▶ *2015 (April)- 2015 (August)*Adjunct Lecturer, Department of Materials Science, University of Patras, Materials Science I, Materials Science III (Lab)
  
- ▶ *2015 (April)- 2015 (August)*Adjunct Lecturer, Department of Chemistry, University of Patras Instrumental Analysis II (Lab)

► 2015 (January)-2015 (April): Post-doctoral research in Department of Chemistry, University of Ioannina

#### 4. SCHOLARSHIPS-AWARDS

- ✓ L’OrealUnesco Award 2019 for Women in Science
- ✓ Fellowship for Post-doctoral Research through the Operational Programme «Human Resources Development, Education and Lifelong Learning» in the context of the project “Reinforcement of Postdoctoral Researchers - 2nd Cycle” (MIS-5033021), implemented by the State Scholarships Foundation (IKY).
- ✓ Fellowship for Post-doctoral Research from Greek State Scholarship Foundation (IKY) through the “IKY Fellowships of Excellence for Postgraduate Studies in Greece – Siemens Program” in the framework of the Hellenic Republic – Siemens Settlement Agreement.
- ✓ Scholarship: “Photocatalytic degradation of priority organic pollutants in aquatic systems” (2010-2013) Research Funding Program: Heracleitus II (Co-financed by the European Union (European Social Fund – ESF) and Greek national funds through the Operational Program "Education and Lifelong Learning" of the National Strategic Reference Framework (NSRF).
- ✓ 2<sup>o</sup> Best Poster Award. Title: Probing the photolytic-photocatalytic degradation mechanism of DEET in the presence of different humic and fulvic acid models by scavenging and EPR spectroscopy (M. Antonopoulou, C.G. Skoutelis, C. Daikopoulos, Y. Deligiannakis, I.K. Konstantinou), 17th Meeting of the International Humic Substances Society Natural Organic Matter: Structure-Dynamics-Innovative applications, Ioannina, Greece, 1-5 September, 2014.
- ✓ 2<sup>o</sup> Best Poster Award. Title: Effect of oxidants in the photocatalytic degradation of DEET in aqueous TiO<sub>2</sub> suspensions (Antonopoulou M., Konstantinou I.), 4th Panhellenic Conference of Green Chemistry and Sustainable Development, Ioannina, Greece, 30 October-1 November 2014.

#### 5. MAJOR FIELDS OF TRAINING AND RESEARCH EXPERIENCE

- Treatment technologies with emphasis on aquatic pollution and Advanced Oxidation Technologies-Photocatalysis.
- Development and application of advanced mass spectrometric techniques (GC-MS, GC-MS/MS, LC-MS/MS, UHPLC-TOF-MS, LC-LIT-Orbitrap) for the identification of organic contaminants and structural elucidation of their metabolites and degradation products on aquatic and soil systems.

- Application of instrumental analytical techniques (GC, HPLC, UHPLC, IC, UV-vis spectrophotometer, Fluorescence, Atomic Absorption Spectroscopy) for the control of environmental protection technologies and for the identification of pollutants (organic and inorganic) in environmental samples.
- Development and application of modern extraction and separation techniques (SPE, QuEChERS, LLE) for the identification of organic contaminants on aquatic and soil systems.
- Modeling and optimization of chemical techniques and processes using advanced statistical chemometric techniques (Response surface methodology and Artificial Neural Networks) and experimental designs.
- Environmental Analytical Chemistry and Environmental Pollution Control
- Ecotoxicity study of environmental pollutants (pharmaceuticals, pesticides, emerging contaminants) and investigation of their genotoxic effects in experimental systems *in vitro* using the cytokinesis block micronucleus (CBMN) assay.

## 6. PARTICIPATION IN RESEARCH PROJECTS

1. “Photocatalytic degradation of priority organic pollutants in water system” 2010-2013, Research Funding Program: Heracleitus II, Greek Ministry of Education.
2. “Development of advanced oxidation processes (AOPs) with the use of nanomaterials and sunlight, for the removal of various organic toxic micropollutants, endocrine disrupters and cyanotoxins from natural waters and sewages (AOP-Nanomat”, Thalys Project, 2012-2014.)
3. “Development of waste tire pyrolysis technology to produce adsorbents and value added catalytic materials with applications in industry and pollution control technologies” SYNERGASIA 2011 Program (O.P. Competitiveness & Entrepreneurship (EPAN II), ROP Macedonia- Thrace, ROP Crete and Aegean Islands, ROP Thessaly- Mainland Greece- Epirus, ROP Attica.
4. Postdoc Research in the Department of Environmental and Natural Resources Management, School of Engineering, University of Patras, Project: TSMEDE of Department of Environmental and Natural Resources Management
5. Post-doctoral Research in the Department of Environmental and Natural Resources Management, School of Engineering, University of Patras, Project: “IKY Fellowships of Excellence for Postgraduate Studies in Greece – Siemens Program” in the framework of the Hellenic Republic – Siemens Settlement Agreement.
6. Post-doctoral Research in Institute of Nanoscience and Nanotechnology- NCSR Demokritos (Photo-catalytic Processes and Environmental Chemistry Laboratory), Project: ‘Development of Materials and Devices with Applications in Industry, Health, Environment and Culture’
7. Post-doctoral Research in Institute of Nanoscience and Nanotechnology- NCSR Demokritos (Photo-catalytic Processes and Environmental Chemistry Laboratory), Project: ‘National Infrastructure in Nanotechnology, Advanced Materials and Micro-/ Nanoelectronics’

8. Development and application of a system based on advanced oxidation processes for the treatment of hospital wastewaters in order to remove pharmaceutical compounds with high persistence in aquatic environment' (PHAREM) 'Interreg IPA CBC Programme Greece – Albania 2014 – 2020'
9. COST Action (Management Committee)- Taste and Odor in early diagnosis of source and drinking Water Problems (CA18225)
10. Research Project: "MEDIKOS", Special Account of Funds and Research, University of Patras

## 7. EDUCATIONAL ACTIVITIES

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### I. Independent Teaching of Undergraduate Courses

- ▶ 2015 (April)- 2015 (August) Adjunct Lecturer, Department of Chemistry, University of Patras, Instrumental Analysis II (Lab) (Analytical Chemistry)
- ▶ 2015 (April)- 2015 (August) Adjunct Lecturer, Department of Materials Science, University of Patras, Materials Science I (Lab)
- ▶ 2015 (April)- 2015 (August) Adjunct Lecturer, Department of Materials Science, University of Patras, Materials Science III (Lab)
- ▶ 2016 (April)- 2016 (June) Adjunct Assistant Professor, Department of Chemistry, University of Patras, Instrumental Analysis II (Lab).
- ▶ 2016 (April)- 2016 (August) Adjunct Lecturer, Department of Materials Science, University of Patras, Organic Chemistry (Course).
- ▶ 2016 (November)- 2017 (February), Department of Chemistry, University of Ioannina, Courses: Environmental Protection Technology (Course).
- ▶ 2017 (March)- 2017 (May) Adjunct Assistant Professor, Department of Chemistry, University of Patras, Instrumental Analysis II (Lab).
- ▶ 2017 (March)- 2017 (June) Adjunct Associate Professor, Department of Environmental and Natural Resources Management, University of Patras, Organic Chemistry (Course)
- ▶ 2017 (October)- 2018 (February), Department of Environmental and Natural Resources Management, University of Patras, Environmental Pollution Control (Course)

► 2018 (October)- 2019 (February), Department of Environmental and Natural Resources Management, University of Patras, Environmental Pollution Control (Course), Catalytic Processes, Safety and Environment (Course)

► 2019 (September)- 2020 (June), Department of Environmental Engineering, University of Patras, Environmental Remediation of Contaminated Sites (Course), Environmental Pollution Control (Course), Greenhouse Effect-Climate Change

► 2021 (September)- up to now, Department of Environmental Engineering, University of Patras, Environmental Remediation of Contaminated Sites (Course), Biochemical Processes (Course).

## **II. Teaching of Tutorial Undergraduate Courses/ Laboratory exercises**

► Laboratory exercises “Instrumental Methods in Environmental Analysis”, Lab. of Instrumental Methods in Environmental Analysis, Department of Environmental and Natural Resources Management, University of Patras (Academic Years: 2010-2011, 2011-2012, 2012-2013).

► Course, Techniques in Environmental Catalysis, Department of Environmental Engineering, University of Patras (Academic Years: 2010-2011, 2011-2012, 2012-2013).

## **III. Supervising of Diploma thesis**

Supervising of five (5) Diploma thesis Department of Environmental Engineering, University of Patras during the Academic Years: 2020-2021, 2021-2022.

Co-Supervising of twenty (20) Diploma thesis Department of Environmental and Natural Resources Management, University of Patras during the Academic Years: 2010-2015.

## **III. Supervising of Ph.D. thesis**

Supervising of two (2) Ph.D. Thesis Department of Environmental Engineering, University of Patras.

## **8. AUTHORSHIP**

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### **I. BSc-, MSc-THESIS**

1) “Evaluation of water quality in the Park of Environmental Information and Sensitization "Antonis Tritsis"”, (BSc Supervisor: Dassenakis E.), Department of Chemistry, National and Kapodistrian University of Athens, (UOA), 2008.

2) “Photocatalytic oxidation of treated municipal wastewaters for the protection of aquatic receivers from toxic organic compound”, (MSc Supervisor: Associate Prof. I.K. Konstantinou) Interdepartmental MSc Program "Sustainable Management of Protected Areas" Direction: Technology Management for Protected Areas, University of Ioannina, 2010.

## II. PhD- THESIS

“Photocatalytic degradation of priority organic pollutants in aquatic systems” (Thesis Supervisor: Associate Prof. I.K. Konstantinou) Department of Environmental and Natural Resources Management, School of Engineering, University of Patras, 2013.

## III. Publications in peer-reviewed international journals

1) Karavoltsos S., Sakellari A., **Antonopoulou M.**, Dassenakis M., Scoullou M., Evaluation of water quality in an urban park for environmental sensitization: A large scale simulation model, *Desalination and Water treatment*, 13, 328–335, 2010.

2) **Antonopoulou M.**, Papadopoulos V., Konstantinou I.K., Photocatalytic oxidation of treated municipal wastewaters for the removal of phenolic compounds: optimization and modeling using response surface methodology (RSM) and artificial neural networks (ANNs), *Journal of Chemical Technology & Biotechnology*, 87, 1385-1395, 2012.

3) **Antonopoulou M.**, Giannakas A., Konstantinou I., Simultaneous Photocatalytic Reduction of Cr(VI) and Oxidation of Benzoic Acid in Aqueous N-F-Codoped TiO<sub>2</sub> Suspensions: Optimization and Modeling Using the Response Surface Methodology, *International Journal of Photoenergy*, 2012.

4) **Antonopoulou M.**, Konstantinou I., Optimization and modeling of the photocatalytic degradation of the insect repellent DEET in aqueous TiO<sub>2</sub> suspensions, *Clean, Soil, Air, Water*, 41 (6), 593–600, 2013.

5) **Antonopoulou M.**, Giannakas A., Deligiannakis Y., Konstantinou I., Kinetic and mechanistic investigation of photocatalytic degradation of the N, N-diethyl-m-toluamide, *Chemical Engineering Journal*, 231, 314–325, 2013.

6) Giannakas A.E., **Antonopoulou M.**, Deligiannakis Y., Konstantinou I., Preparation, characterization of N-I co-doped TiO<sub>2</sub> and catalytic performance toward simultaneous Cr(VI) reduction and benzoic acid oxidation, *Applied Catalysis B: Environmental*, 140-141, 636-645, 2013.

7) **Antonopoulou M.**, Evgenidou E., Lambropoulou D., Konstantinou I., A review on advanced oxidation processes for the removal of taste and odor compounds from aqueous media, *Water Research*, 53, 215-234, 2014.

- 8) Skoutelis C.G., **Antonopoulou M.**, Giannakas A., Konstantinou I.K., Deligiannakis Y., Mechanism of synergistic photocatalytic Cr(VI)-reduction and Benzoic acid oxidation by visible light active TiO<sub>2</sub> photocatalysts, *Journal of Advanced Oxidation Technologies*, 17, 1-10, 2014.
- 9) **Antonopoulou M.**, Konstantinou I., Effect of oxidants in the photocatalytic degradation of DEET under simulated solar irradiation in aqueous TiO<sub>2</sub> suspensions, *Global Nest*, 16(3), 507-515, 2014.
- 10) Stamatis N., **Antonopoulou M.**, Hela D., Konstantinou I., Photocatalytic degradation kinetics and mechanisms of antibacterial triclosan in aqueous TiO<sub>2</sub> suspensions, *Journal of Chemical Technology & Biotechnology*, 89(8), 1145-1154, 2014.
- 11) **Antonopoulou M.**, Konstantinou I. Photocatalytic treatment of Metribuzin herbicide over TiO<sub>2</sub> aqueous suspensions: Removal efficiency, identification of transformation products, reaction pathways and ecotoxicity evaluation, *Journal of Photochemistry and Photobiology A: Chemistry*, 294, 110-120, 2014.
- 12) **Antonopoulou M.**, Vlastos D., Konstantinou I.K., Photocatalytic degradation of Pentachlorophenol by N-F-TiO<sub>2</sub>: Identification of intermediates, mechanism involved, genotoxicity and ecotoxicity evaluation. *Photochemical & Photobiological Sciences*, 14, 520 – 527, 2015.
- 13) **Antonopoulou M.**, Konstantinou I. TiO<sub>2</sub> photocatalysis of 2-Isopropyl-3-Methoxy Pyrazine taste and Odor Compounds in aquatic systems: Kinetics, degradation pathways and toxicity evaluation, *Catalysis Today*, 240 (PA), 22-29, 2015.
- 14) **Antonopoulou M.**, Konstantinou I., Photocatalytic Degradation of Pentachlorophenol by visible light N-F-TiO<sub>2</sub> in the presence of oxalate ions: Optimization, modeling and scavenging studies, *Environmental Science and Pollution Research*, 22, 9438–9448, 2015.
- 15) Stamatis N., **Antonopoulou M.**, Konstantinou I., Photocatalytic degradation kinetics and mechanisms of fungicide tebuconazole in aqueous TiO<sub>2</sub> suspensions, *Catalysis Today*, 252, 93-99, 2015.
- 16) Charalampous N., Kindou A., Vlastos D., Tsarpali V., **Antonopoulou M.**, Konstantinou I.K., Dailianis S., A multidisciplinary assessment of river surface water quality in areas heavily influenced by human activities, *Archives of Environmental Contamination and Toxicology* 69, 208–222, 2015.
- 17) Tantis I., Bousiakou L., Frontistis Z., Mantzavinos D., Konstantinou I., **Antonopoulou M.**, Karikas G.A., Lianos P., Photocatalytic and photoelectrocatalytic degradation of the drug omeprazole on nanocrystalline titania films in alkaline media: effect of applied electrical bias on degradation and transformation products, *Journal of Hazardous Material* 294 57–63, 2015.

- 18) Petala A., Frontistis Z., **Antonopoulou M.**, Konstantinou I., Kondarides D.I., Mantzavinos D., Kinetics of ethyl paraben degradation by simulated solar radiation in the presence of N-doped TiO<sub>2</sub> catalysts, *Water Research* 81, 157-166, 2015.
- 19) Darsinou B., Frontistis Z., **Antonopoulou M.**, Konstantinou I., Mantzavinos D., Sono-activated persulfate oxidation of bisphenol A: Kinetics, pathways and the controversial role of temperature, *Chemical Engineering Journal* 280, 623-633, 2015.
- 20) Thomatou A.A., **Antonopoulou M.**, Michail F., Konstantinou I.K., Laboratory calibration of twelve pesticides using polar organic chemical integrative samplers, *International Journal of Environmental Analytical Chemistry*, 2015 <http://dx.doi.org/10.1080/03067319.2015.1070405>.
- 21) **Antonopoulou M.**, Skoutelis C.G., Daikopoulos C., Deligiannakis Y., Konstantinou I.K., Probing the photolytic-photocatalytic degradation mechanism of DEET in the presence of natural or synthetic humic macromolecules using molecular-scavenging techniques and EPR spectroscopy, *Journal of Environmental Chemical Engineering* 3, 3005–3014, 2015.
- 22) Tantis I., **Antonopoulou M.**, Konstantinou I., Lianos P., Coupling of electrochemical and photocatalytic technologies for accelerating degradation of organic pollutants, *Journal of Photochemistry and Photobiology A: Chemistry* 317, 100–107, 2016.
- 23) Giannakas A.E., **Antonopoulou M.**, Daikopoulos C., Deligiannakis Y., Konstantinou I., Characterization and catalytic performance of B-doped, B-N co-doped and B-N-F tri-doped TiO<sub>2</sub> towards simultaneous Cr(VI) reduction and benzoic acid oxidation, *Applied Catalysis B: Environmental*, 184, 44-54, 2016.
- 24) Papadopoulos C., Frontistis Z., **Antonopoulou M.**, Venieri D., Konstantinou I., Mantzavinos D., Sonochemical degradation of ethyl paraben in environmental samples: Statistically important parameters determining kinetics, by-products and pathways, *Ultrasonics Sonochemistry*, 31, 62–70, 2016.
- 25) **Antonopoulou M.**, Hela D., Konstantinou I., Photocatalytic degradation kinetics, mechanism and ecotoxicity assessment of Tramadol pharmaceutical metabolites in aqueous TiO<sub>2</sub> suspensions, *Science of Total Environment*, 545–546, 476–485, 2016.
- 26) Ioannidou E., Ioannidi A., Frontistis Z., **Antonopoulou M.**, Tselios C., Tsikritzis D., Konstantinou I., Kennou S., Kondarides D. I., Mantzavinos D., Correlating the properties of hydrogenated titania to reaction kinetics and mechanisms for the photocatalytic degradation of bisphenol A under solar irradiation, *Applied Catalysis B: Environmental*, 188, 65-76, 2016.

- 27) **Antonopoulou M.**, Konstantinou I., Photocatalytic degradation kinetics and mechanism of pharmaceutical Tramadol in aqueous TiO<sub>2</sub> suspensions and ecotoxicity evaluation of its transformation products, *Applied Catalysis A*, 515, 136-143, 2016.
- 28) Vlastos D., **Antonopoulou M.**, Konstantinou I. K., Evaluation of toxicity and genotoxicity of 2-Chlorophenol on bacteria, fish and human cells, *Science of the Total Environment*, 551-552, 649-655, 2016.
- 29) **Antonopoulou M.**, Karagianni P., Konstantinou I. Kinetic and mechanistic study of photocatalytic degradation of flame-retardant Tris (1-chloro-2-propyl) phosphate (TCPP), *Applied Catalysis B: Environmental*, 192, 152-160, 2016.
- 30) Papaevangelou V.A., Gikas G.D., Tsihrintzis V.A., **Antonopoulou M.**, Konstantinou, I.K. Removal of Endocrine Disrupting Chemicals in HSF and VF pilot-scale constructed wetlands, *Chemical Engineering Journal*, 294, 146-156, 2016.
- 31) Ribeiro R.S., Frontistis Z., Mantzavinos D., Venieri D., **Antonopoulou M.**, Konstantinou I., Silva A.M.T., Faria J.L., Gomes H.T. Novel magnetic carbon xerogels for the catalytic wet peroxide oxidation of sulfamethoxazole in environmentally relevant water matrices, *Applied Catalysis B: Environmental*, 199, 170-186, 2016.
- 32) **Antonopoulou M.**, Karagianni P., Giannakas A., Makrigianni V., Mouzourakis E., Deligiannakis Y., Konstantinou, I. Photocatalytic degradation of phenol by char/N-TiO<sub>2</sub> and char/N-F-TiO<sub>2</sub> composite photocatalysts, *Catalysis Today*, 280, 114-121, 2017.
- 33) Frontistis Z., **Antonopoulou M.**, Venieri D., Dailianis S., Konstantinou I., Mantzavinos D. Solar photocatalytic decomposition of ethyl paraben in zinc oxide suspensions. *Catalysis Today*, 280, 139-148, 2017.
- 34) Vlastos D., Dailianis S., Kindou A., **Antonopoulou M.**, Gianni A., Zacharias I. Assessing the environmental/human risk of potential genotoxicants in water samples from lacustrine ecosystems: the case of lakes in Western Greece, *Science of the Total Environment*, 574, 246-252, 2017
- 35) Skoutelis C., **Antonopoulou M.**, Konstantinou I., Vlastos D., Papadaki M. Photodegradation of 2-chloropyridine in aqueous solution: reaction pathways and genotoxicity of intermediate products, *Journal of Hazardous Material*, 321, 753-763, 2017.
- 36) Frontistis Z., **Antonopoulou M.**, Petala A., Venieri D., Konstantinou I., Kondarides D.I., Mantzavinos D., Photodegradation of ethyl paraben using simulated solar radiation and Ag<sub>3</sub>PO<sub>4</sub> photocatalyst. *Journal of Hazardous Materials*, 323 (Part A) 478-488, 2017.
- 37) Koltsakidou A., **Antonopoulou M.**, Evgenidou E., Konstantinou I., Giannakas A. E., Papadaki M., D. Bikiaris, Lambropoulou D.A., Photocatalytical removal of fluorouracil using commercial and

- N/S doped TiO<sub>2</sub> catalysts: A kinetic and mechanistic study, *Science of the Total Environment* 578, 257–267, 2017.
- 38) Kanigaridou Y., Petala A., Frontistis Z., **Antonopoulou M.**, Solakidou M., Konstantinou I., Deligiannakis Y., Kondarides D.I., Mantzavinos D. Solar photocatalytic degradation of Bisphenol A with CuO<sub>x</sub>/BiVO<sub>4</sub>: Insights into the unexpectedly favorable effect of bicarbonates, *Chemical Engineering Journal*, 318, 39-49, 2017.
- 39) Frontistis Z., **Antonopoulou M.**, Yazirdagi M., Kilinc Z., Konstantinou I., Katsaounis A., Mantzavinos D., Boron-doped diamond electrooxidation of ethyl paraben: The effect of electrolyte on by-products distribution and mechanisms, *Journal of Environmental Management*, 195,148-156, 2017.
- 40) Frontistis Z., **Antonopoulou M.**, Venieri D., Konstantinou I., Mantzavinos D. Boron-doped diamond oxidation of amoxicillin pharmaceutical formulation: Statistical evaluation of operating parameters, reaction pathways and antibacterial activity. *Journal of Environmental Management*, 195,100-109, 2017.
- 41) **Antonopoulou M.**, Chondrodinou I., Bairamis F., Giannakas A., Konstantinou I., Photocatalytic reduction of Cr(VI) by char/TiO<sub>2</sub> composite photocatalyst: optimization and modeling using the response surface methodology (RSM), *Environmental Science and Pollution Research*, 24(2),1063-1072, 2017.
- 42) Mantzos N., Hela D., Karakitsou A., **Antonopoulou M.**, Konstantinou I.K., Dissipation and runoff transport of metazachlor herbicide in rapeseed cultivated and uncultivated plots in field conditions, *Environmental Science Pollution Research*, 23(20), 20517-20527 2017.
- 43) Petala A., Bontemps R., Spartatouille A., Frontistis Z., **Antonopoulou M.**, Konstantinou I., Kondarides D. I., Mantzavinos D. Solar light-induced degradation of ethyl paraben with CuO<sub>x</sub>/BiVO<sub>4</sub>: Statistical evaluation of operating factors and transformation by-products. *Catalysis Today*, 280, 122-131, 2017.
- 44) Koltsakidou A., **Antonopoulou M.**, Sykiotou M., Evgenidou E., Konstantinou I., Lambropoulou D.A. Photo-fenton and fenton-like processes for the treatment of the antineoplastic drug 5-fluorouracil under simulated solar radiation, *Environmental Science Pollution Research*, 24(5), 4791-4800, 2017.
- 45) Repousi D., Petala A., Frontistis Z., **Antonopoulou M.**, Konstantinou I., Kondarides D.I., Mantzavinos D., Photocatalytic degradation of bisphenol A over Rh/TiO<sub>2</sub> suspensions photosensitized by humic acid. *Catalysis Today*, 284, 59-66, 2017.

- 46) Koltsakidou A., **Antonopoulou M.**, Evgenidou E., Konstantinou I., Lambropoulou D.A. Cytarabine degradation by simulated solar assisted photocatalysis using TiO<sub>2</sub>, *Chemical Engineering Journal*, 316, 823-831, 2017.
- 47) Tsarpali V., Goutas A., Karyda A., Efthimiou I., **Antonopoulou M.**, Drosopoulou E., Vlastos D. Konstantinou I., Mavragani-Tsipidou P., The role of acetone in the [omim][BF<sub>4</sub>]-mediated adverse effects on tissues of mussels, human lymphocytes and the fruit fly *Drosophila melanogaster*, *Journal of Hazardous Materials*, 260, pp. 593-601, 2017.
- 48) Potakis N., Frontistis Z., **Antonopoulou M.**, Konstantinou I., Mantzavinos D. Oxidation of bisphenol A in water by heat activated persulfate. *Journal of Environmental Management*, *Journal of Environmental Management*, 195, 125-132, 2017.
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#### IV. Chapters in scientific books of international editions

1. Konstantinou I.K., **Antonopoulou M.**, Lambropoulou D.A., Transformation Products of Emerging Contaminants Formed during Advanced Oxidation Processes in *Transformation Products of Emerging Contaminants in the Environment: Analysis, Processes, Occurrence, Effects and Risks* (the “Work”), edited by Leo Nollet and Dr Dimitra Lambropoulou, John Wiley & Sons, Ltd. Published 2014 by John Wiley & Sons, 179-228, 2014.
2. **Antonopoulou M.**, Konstantinou I.K., AOPs Methods for the Removal of Taste and Odor Compounds, A. Gil et al. (eds.), *Applications of Advanced Oxidation Processes (AOPs) in Drinking Water Treatment*, Hdb Env Chem, DOI 10.1007/698\_2017\_119, 9, Springer International Publishing AG 2017.
3. **Antonopoulou M.**, Hiskia A., Nano-photocatalysts for water remediation: treatment of industrial in *Industrial Applications of Nanoparticles- A Prospective Overview*, CRC Press. (Accepted).

#### V. Publications in international conferences with full paper proceedings and abstract proceedings

1) Karavoltsos S., **Antonopoulou M.**, Sakellari A., Dassenakis M., Scoullou M., Evaluation of surface water quality in the park of environmental information and sensitisation “ANTONIS TRITSIS”, 3rd International Conference “AQUA 2008” on Water Science and Technology, October 2008, Athens, Greece.

2) **Antonopoulou M.**, Konstantinou I.K., Photocatalytic degradation of the biocide DEET: study on the removal and transformation in aquatic systems, 7th MGPR International Symposium “PAOLO CABRAS”: Pesticides in food and the environment in Mediterranean Countries, Thessaloniki, Greece, 9-11 November 2011.

- 3) **Antonopoulou M.**, Konstantinou I.K., Photocatalytic degradation of Metribuzin herbicide in aquatic systems: Identification of by products and toxicity evaluation, 7th European Conference on Pesticides and Related Organic Micropollutants in the Environment & 13th Symposium on Chemistry and Fate of Modern Pesticides, Porto, Portugal, 7-10 October 2012.
- 4) **Antonopoulou M.**, Giannakas A., Konstantinou I., Optimization and modeling of simultaneous photocatalytic reduction of Cr (VI) and oxidation of benzoic acid using N,F-codoped TiO<sub>2</sub> catalyst, International Conference on Photocatalytic and Advanced Oxidation Technologies for Treatment of Water, Air, Soil and Surfaces (PAOT-2), Gdansk, Poland, 09-12 September 2013.
- 5) Skoutelis C.G., **Antonopoulou M.**, Konstantinou I.K., Deligiannakis Y., EPR study of chromium(VI) interaction with photocatalytic TiO<sub>2</sub> nanoparticles, International Conference on Photocatalytic and Advanced Oxidation Technologies for Treatment of Water, Air, Soil and Surfaces (PAOT-2), Gdansk, Poland, 09-12 September 2013.
- 6) **Antonopoulou M.**, Konstantinou I., TiO<sub>2</sub> Photocatalysis of Taste and Odor Compounds in aquatic systems: Case study of 2-Isopropyl-3-Methoxy Pyrazine removal, 3rd European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP3) Almería, Spain, 27-30 October 2013.
- 7) Giannakas A.E., **Antonopoulou M.**, Deligiannakis Y., Konstantinou I., Photocatalytic performance of N-I co-doped TiO<sub>2</sub> towards simultaneous Cr(VI) reduction and benzoic acid oxidation, 3rd European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP3) Almería, Spain, 27-30 October 2013.
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- 9) **Antonopoulou M.**, Hela D., Konstantinou I.K., Degradation of Pentachlorophenol by visible light N-F TiO<sub>2</sub> photocatalysts in the presence of oxalate ions: Optimization by a combination of experimental design and response surface methodology, 2nd International Conference on Recycling and Reuse, Istanbul, Turkiye, 4-6 June 2014.
- 10) **Antonopoulou M.**, Konstantinou I., Photocatalytic degradation of Pentachlorophenol by N-F-TiO<sub>2</sub>: A study of reaction parameters, intermediates and mechanism involved, 8th European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications – SPEA8 Thessaloniki, Greece, 25-28 June 2014.

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- 15) **Antonopoulou M.**, Chondrodinou I., Konstantinou I., Photocatalytic reduction of Cr(VI) by char/TiO<sub>2</sub> composite photocatalysts: Optimization and modeling using the response surface methodology (RSM), 4th European Conference on Environmental Applications of Advanced Oxidation Processes – EAAOP4, Athens, Greece, 21-24 October 2015.
- 16) **Antonopoulou M.**, Karagianni P., Konstantinou I., Degradation of flameretardant Tris (1-chloro-2-propyl) phosphate (TCPP) by TiO<sub>2</sub> photocatalysis: Kinetic and mechanistic study, 4th European Conference on Environmental Applications of Advanced Oxidation Processes – EAAOP4, Athens, Greece, 21-24 October 2015.
- 17) Karagianni P., **Antonopoulou M.**, Giannakas A., Makrygianni V., Deligiannakis Y., Konstantinou I., Photocatalytic degradation of phenol by char/N-TiO<sub>2</sub> and char/N-F-TiO<sub>2</sub> composite photocatalysts, 4th European Conference on Environmental Applications of Advanced Oxidation Processes – EAAOP4, Athens, Greece, 21-24 October 2015.
- 18) Frontistis Z., **Antonopoulou M.**, Potakis N., Michailidi A., Mathaiou B., Konstantinou I., Mantzavinos D., Degradation of ethyl paraben by heat-activated persulfate: statistical evaluation of operating factors, 4th European Conference on Environmental Applications of Advanced Oxidation Processes – EAAOP4, Athens, Greece, 21-24 October 2015.

- 19) **Antonopoulou M.**, Lavranou A., Efthimiou I., Konstantinou F., Konstantinou I., Vlastos D. Toxic and genotoxic potency of rainwater samples from Greece on bacteria and human cells, SETAC Europe 26th Annual Meeting on Environmental contaminants from land to sea: continuities and interface in environmental toxicology and chemistry, (MO018), Nantes, France, 22-26 May 2016.
- 20) Dormousoglou M., **Antonopoulou M.**, Konstantinou F., Konstantinou I., Vlastos D. Evaluation of the acute toxicity and genotoxicity of pyrolytic tire chars, SETAC Europe 26th Annual Meeting on Environmental contaminants from land to sea: continuities and interface in environmental toxicology and chemistry, (MO024), Nantes, France, 22-26 May 2016.
- 21) Tsarpali V., **Antonopoulou M.**, Efthimiou I., Vlastos D., Konstantinou I., Dailianis S. Human health risk assessment of imidazolium-based ionic liquids: the role of acetone to their function integrity and toxic profile, SETAC Europe 26th Annual Meeting on Environmental contaminants from land to sea: continuities and interface in environmental toxicology and chemistry, (MO048), Nantes, France, 22-26 May 2016.
- 22) Dailianis S., Tsouloufa A., **Antonopoulou M.**, Konstantinou I., Karapanagioti H.K., and Manariotis I.D., Assessment of biochar safety via its leachate characterization using physicochemical and biological assays, European Geosciences Union General Assembly, Vienna, Austria, 17–22 April 2016
- 23) Rapti I., Georgopoulos S., **Antonopoulou M.**, Konstantinou I., and Papadaki M., Food-processes wastewaters treatment using food solid-waste materials as adsorbents or absorbents, European Geosciences Union General Assembly, Vienna, Austria, 17–22 April 2016
- 24) **Antonopoulou M.**, Giannakas A.E., Papadaki M., Konstantinou I. Removal of emerging contaminants from aqueous phase by visible light photocatalysis, 9th European Conference on Pesticides and Related Organic Micropollutants in the Environment - 15th Symposium on Chemistry and Fate of Modern Pesticides, Santiago de Compostela (Spain), 4-7 October 2016
- 25) **Antonopoulou M.**, Giannakas A.E., Papadaki M., Konstantinou I. Application of solar and visible light photocatalysis for Cr (VI) removal, Athens International Catalysis Symposium” (AICS 2016), Athens (Greece), 3-4 November 2016.
- 26) Pitsadioti I., Lapouridis K., Georgopoulos S., **Antonopoulou M.**, Papadaki M., Isoperibolic study of hydroxylamine in aqueous solutions in the presence of selected inorganic salts, 19<sup>th</sup> Annual International Symposium, College Station, Texas, 25-27 October 2016
- 27) Dormousoglou M., Dailianis S., Tsouloufa A., Konstantinou I., Vlastos D., **Antonopoulou M.**, Lavranou A., Karapanagioti K.H. Phytochemical and biological characteristics of leachate from biochar produced from malt spent rootlets. SETAC Europe 27th Annual Meeting, 7-12 May, Brussels, Belgium.

28) Davididou K., McRitchie C., **Antonopoulou M.**, Konstantinou I., Chatzisyneon E., UVA-LED VS blacklight irradiation for the photocatalytic treatment of saccharin, 5th European Conference on Environmental Applications of Advanced Oxidation Processes – EAAOP5 –Prague, Czech Republic, 25 June – 29 June 2017.

29) Mantzos N., Kyrkas D., **Antonopoulou M.**, Konstantinou I., Dissipation and transport of Quinmerac herbicide in rapeseed cultivated field plots, VIII International Scientific Agriculture Symposium "Agrosym 2017", Jahorina, Bosnia and Herzegovina, 5-8 October 2017.

30) Kaloudis T., Avagianos C., Triantis T., **Antonopoulou M.**, Christophoridis C., Hiskia A., Algal Taste & Odor compounds: Advanced methods for detection and control, 18th International Conference on Harmful Algae, Nantes, France, 21-26 October 2018.

31) Avagianos C., **Antonopoulou M.**, Dimotikali D., Hiskia A., Kaloudis T., Treatment of drinking water by UV/Cl<sub>2</sub>: a study of β-cyclocitral, a cyanobacterial taste & odor compound, 16<sup>th</sup> International Conference on Environmental Science and Technology Rhodes, Greece, 4-7 September 2019.

32) **Antonopoulou M.**, Ioannidis N., Avagianos C., Kaloudis T., Triantis T., Hiskia A., Evaluation of advanced drinking water treatment processes by a combination of powerful mass spectrometric techniques and EPR spectroscopy, 11th International Conference on «Instrumental Methods of Analysis» (IMA-2019) in Ioannina, Epirus, Greece, 22-25 September 2019.

33) Papadaki M., Lenga V., Annopoulou A., Arvaniti O.S., Giannakopoulos E., Georgopoulos S., **Antonopoulou M.**, Towards valorization of agricultural and food waste for the adsorption of pharmaceuticals. Eighth CEMEPE & SECOTOX Conference in Thessaloniki, Greece, July 20- 24, 2021.

## VI. Publications in Greek National Conferences and Workshops

1) **Antonopoulou M.**, Stamatis N., Konstantinou I.P. Photocatalytic oxidation of treated municipal wastewaters for the removal of phenolic compounds, 4<sup>th</sup> Environmental Conference of Macedonia, Thessaloniki, Greece, 18 -20 March 2011.

2) **Antonopoulou M.**, Konstantinou I. Φωτοκαταλυτική αποικοδόμηση του βιοκτόνου DEET σε υδατικά αιωρήματα TiO<sub>2</sub>, 21<sup>st</sup> National Conference of Chemistry 2011, Thessaloniki, Greece, 9-12 December 2011.

3) Konstantinou I., **Antonopoulou M.**, Study on the photocatalytic degradation mechanism of DEET using high resolution and accurate mass LC-LQT-Orbitrap mass spectrometry, Recent Advances of

Mass Spectrometry in Food analysis, Athens, Greece, National Center for Scientific Research “Demokritos”, 3 November 2011.

4) Skoutelis C. G., **Antonopoulou M.**, Konstantinou I. K., Papadaki M., Vlastos D., Photolytic destruction and genotoxicity reduction of 2-chloropyridine by-products in aqueous solutions, 35<sup>th</sup> Annual Conference, Hellenic society for Biological Sciences, Nafplio, Greece, 23-25 May 2013.

5) **Antonopoulou M.**, Konstantinou I. Photocatalytic degradation of PCP in aqueous N-F TiO<sub>2</sub> suspensions: optimization, identification of the intermediates products and mechanisms involved, 5<sup>th</sup> Environmental Conference of Macedonia, Thessaloniki, Greece, 14-16 March 2014.

6) Giannakas A., **Antonopoulou M.**, Deligiannakis Y. and Konstantinou I., Preparation, characterization of B-, N- and F- doped with Pt TiO<sub>2</sub> and catalytic performance toward simultaneous Cr(VI) reduction and benzoic acid oxidation, 13<sup>th</sup> Hellenic Symposium of Catalysis, Palaios Agios Athanasios Pellas, Greece 16-18 October 2014.

7) **Antonopoulou M.**, Konstantinou I., Photocatalytic treatment of Tramadol over TiO<sub>2</sub> aqueous suspensions: Removal efficiency, identification of transformation products and role of reactive species, 13<sup>th</sup> Hellenic Symposium of Catalysis, Palaios Agios Athanasios Pellas, Greece 16-18 October 2014.

8) Giannakas A., **Antonopoulou M.**, Deligiannakis Y. and Konstantinou I., Preparation, characterization of B- and I- co-doped TiO<sub>2</sub> and catalytic performance toward simultaneous Cr(VI) reduction and benzoic acid oxidation, 13<sup>th</sup> Panhellenic Symposium of Catalysis, Palaios Agios Athanasios Pellas, Greece 16-18 October 2014.

9) **Antonopoulou M.**, Konstantinou I., Effect of oxidants in the photocatalytic degradation of DEET in aqueous TiO<sub>2</sub> suspensions, 4<sup>th</sup> Panhellenic Conference of Green Chemistry and Sustainable Development, Ioannina, Greece, 30 October-1 November 2014.

10) Giannakas A., **Antonopoulou M.**, Deligiannakis Y. and Konstantinou I., Preparation, characterization of N, N-F co-doped and doped with Pt TiO<sub>2</sub> and catalytic performance toward simultaneous Cr(VI) reduction and benzoic acid oxidation, 4<sup>th</sup> Panhellenic Conference Of Green Chemistry and Sustainable Development, Ioannina, Greece, 30 October-1 November 2014.

11) **Antonopoulou M.**, Konstantinou I., Photocatalytic degradation of Tramadol metabolites in aqueous TiO<sub>2</sub> suspensions, 12<sup>th</sup> Greece-Cyprus Chemistry Conference, May 8-10, Thessaloniki, Greece, 2015.

12) Tryfon P.K., Efthimiou I., **Antonopoulou M.**, Deligiannakis Y., Konstantinou I.K., Vlastos D. Evaluation of genotoxic effects of Ag@SiO<sub>2</sub> nanomaterials in human lymphocytes: a pilot study. 37<sup>th</sup>

- Annual Conference of the Hellenic Society for Biological Sciences, 21-23 May, Volos, Proceedings of the 37th Annual Conference of the Hellenic Society for Biological Sciences, Volos, Greece, 2015.
- 13) Dormousoglou M., **Antonopoulou M.**, Konstantinou F., Konstantinou I.K., Vlastos D. Evaluation of the acute toxicity and genotoxicity of pyrolytic tire char: a pilot study. 37<sup>th</sup> Annual Conference of the Hellenic Society for Biological Sciences, 21-23 May, Volos, Proceedings of the 37th Annual Conference of the Hellenic Society for Biological Sciences, Volos, Greece, 2015.
- 14) Lavranou A., **Antonopoulou M.**, Konstantinou F., Konstantinou I.K., D. Vlastos. Evaluation of toxic and genotoxic potential of rainwater: A pilot study. 37<sup>th</sup> Annual Conference of the Hellenic Society for Biological Sciences, 21-23 May, Volos, Proceedings of the 37<sup>th</sup> Annual Conference of the Hellenic Society for Biological Sciences, Volos, Greece, 2015.
- 15) **Antonopoulou M.**, Giannakas A., Bairamis F., Papadaki M. and Konstantinou I., Photocatalytic performance of N,S-co-doped TiO<sub>2</sub> for the degradation of organophosphorus flame retardants under solar and visible light, 7th Panhellenic Symposium on Porous Materials, June 2—4, Ioannina Greece, 2016.
- 16) Makrigianni V., Giannakas A., **Antonopoulou M.**, Deligiannakis I. and Konstantinou I., Pyrolytic char/ TiO<sub>2</sub> composite photocatalysts with enhanced performance towards organic pollutants oxidation and reduction of Cr(VI), 7<sup>th</sup> Panhellenic Symposium on Porous Materials, June 2—4, Ioannina, Greece, 2016.
- 17) Christodoulou K., Georgopoulos S., **Antonopoulou M.**, Papadaki M., Isoperibolic study of the thermal decomposition of hydrogen peroxide in aqueous solutions at different concentrations and temperatures, 7th Panhellenic Conference of Thermal Analysis and Calorimetry, 27-29 May 2016, Ioannina, Greece.
- 18) Pitsadioti I., Lapouridis K., Georgopoulos S., **Antonopoulou M.**, Papadaki M., Isoperibolic study of hydroxylamine in aqueous solutions in the presence of selected inorganic salts, 7th Panhellenic Conference of Thermal Analysis and Calorimetry, 27-29 May 2016, Ioannina, Greece.
- 19) **Antonopoulou M.**, Giannakas A., Papadaki M. and Konstantinou I., Photocatalytic degradation of organophosphorus compound, (TCPP) in aqueous suspensions of N and N-S doped TiO<sub>2</sub> photocatalysts, 14<sup>th</sup> Panhellenic Symposium of Catalysis, 13-15 October 2016, Patra, Greece.
- 20) Koltsakidou A., **Antonopoulou M.**, Evgenidou E., Konstantinou I., Giannakas A. E., Papadaki M., Lambropoulou D.A., Photocatalytical removal of fluorouracil using TiO<sub>2</sub> P25 and N/S doped TiO<sub>2</sub> catalysts, 22<sup>nd</sup> Panhellenic Conference of Chemistry, 2-4 December 2016, Thessaloniki, Greece.

21)Drakaki E., Konstantinou F., Mavrogianni D., **Antonopoulou M.**, Drakakis P., Vlastos D., Genotoxic effects of the insect repellent N,N DIETHYL-META-TOLUAMIDE(DEET) and alterations in the expression of retinoblastoma gene on human lymphocytes. 39<sup>th</sup> Annual Conference of the Hellenic Society for Biological Sciences, 25-27 May, Lamia, Proceedings of the 39<sup>th</sup> Annual Conference of the Hellenic Society for Biological Sciences, pp. 98-99, Lamia, Greece, 2017.

22)Dormousoglou M., Dailianis S., **Antonopoulou M.**, Konstantinou I., Vlastos D., Lavranou A., Karapanagioti K. H., Manariotis D.I. Physicochemical and biological characteristics of leachate from biochar produced from malt spent rootlets, Proceedings of the 39<sup>th</sup> E.E.B.E. Scientific Conference, Lamia, May 25-27, 2017

## 9. PATENTS

Konstantinou I., Deligiannakis I., Louloudi M., Giannakas A., **Antonopoulou M.**, Photocatalytic regenerating composite adsorbent char from used tires-N, F-TiO<sub>2</sub> for sorption-degradation of phenol (Number: 1008854)

## 10. REVIEWER OF INTERNATIONAL PEER-REVIEWED JOURNALS

- Photochemical and Photobiological Sciences (Royal Society of Chemistry)
- Journal of Chemical Technology and Biotechnology (Wiley)
- Global Nest Journal
- Science of Total Environment (Elsevier)
- Journal of Environmental Chemical Engineering (Elsevier)
- Journal of Industrial and Engineering Chemistry (Elsevier)
- Environmental Nanotechnology, Monitoring & Management (Elsevier)
- Journal of Taibah University for Science (Elsevier)
- Journal of Environmental Management (Elsevier)
- Chemical Engineering Journal (Elsevier)
- Catalysis Today (Elsevier)
- Chemosphere (Elsevier)
- Chemical Engineering Journal Advances (Elsevier)
- Water Research
- Applied Catalysis A (Elsevier)
- Environmental Pollution (Elsevier)
- Journal of Photochemistry & Photobiology, B: Biology (Elsevier)
- Surfaces and Interfaces (Elsevier)
- Separation and Purification Technology (Elsevier)
- Water Science and Technology (IWA Publishing)

- Journal of Water Supply: Research and Technology –AQUA (IWA Publishing)
- Environmental Science and Pollution Research (Springer)
- Analyst (Royal Society of Chemistry)
- Frontiers in Environmental Science (Water and Wastewater Management)

## 11. IMPACT FACTOR OF JOURNALS

Journal	Impact factor (IF)*	Number of Publications
Applied Catalysis A	5.706	1
Applied Catalysis B: Environmental	19.503	5
Archives of Environmental Contamination and Toxicology	2.804	1
Catalysis Today	6.766	6
Chemical Engineering Journal	13.273	7
Clean. Soil. Air. Water	1.710	1
Desalination and Water treatment	1.254	1
Environmental Science and Pollution Research	4.223	6
Global Nest	0.983	1
Journal of Advanced Oxidation Technologies	0.025	1
Journal of Chemical Technology & Biotechnology	3.174	4
Journal of Environmental Chemical Engineering	5.909	1
Journal of Environmental Management	6.789	4
Journal of Environmental Sciences	5.565	1
Journal of Hazardous Material	10.588	4
Journal of Loss Prevention in the Process Industries	3.660	1
Journal of Photochemistry and Photobiology A: Chemistry	4.291	3
International Journal of Environmental Analytical Chemistry	2.826	2
International Journal of Photoenergy	2.113	1
Photochemical & Photobiological Sciences	3.982	1

Science of Total Environment	7.963	8
Ultrasonics Sonochemistry	7.491	1
Water Research	11.236	3
Chemical Engineering Journal Advances	0	1
Processes	2.847	1
Toxics	4.146	1

## 12. SUMMARY TABLES OF PUBLICATIONS

Publications in peer-reviewed international journals	67
Chapters in scientific books of international editions	3
Total/ median Impact Factor*	496.7/7.4
References (Scopus)**	2153
Publications in international conferences	33
Publications in Greek National conferences	22
h -index	26
Patents	1
Reviewer of international peer-reviewed journals	24
Research Projects	10

\*I.F. (2020)

\*\*Ref.: Source: Scopus (December 2021)