

# CURRICULUM VITAE

**Despo Fatta-Kassinou**

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**November 2023**

## Despo C. Fatta-Kassinou

### Professor

Department of Civil and Environmental Engineering  
Founding Head of GAIA, Laboratory of Environmental and  
Engineered Water Processes and Systems  
School of Engineering  
University of Cyprus

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Websites: <http://www.eng.ucy.ac.cy/GAIA> | <http://www.nireas-iwrc.org>

#### **h-index: 78**

Total Citations: 30616

Source: **Google Scholar**

Date: 15/11/2023

#### **h-index: 70**

Total Citations: 21676

Source: **Scopus**

**Self-citations excluded**

Date: 15/11/2023

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## EDUCATION

*National Technical University of Athens, Greece, (NTUA)*

1999

### **Ph.D. in Chemical Engineering**

Dissertation: "Development of a methodology for the estimation of the pollution level of the groundwater aquifers in the vicinity of waste disposal sites"

Dissertation grade: Excellent

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*European Association of Environmental Management and Education*

1995

Courses attended were organised by National and Kapodistrian University of Athens, Greece and Joint Research Center/Ispra, Italy

### **M.Sc. in Environmental Management and Education**

Thesis: "The use of GIS for the management of industrial waste in small and medium scale regions in the Mediterranean basin - Case Study: Cyprus"

Thesis grade: Honors

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*National Technical University of Athens, Greece, (NTUA)*

1993

### **Diploma in Chemical Engineering**

Thesis: "Assessment of the pollution level of the Saronic Gulf"

Thesis grade: 10/10

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## RESEARCH AND TEACHING INTERESTS

### **Research Interests**

**Wastewater treatment and reuse - Contaminants of emerging concern in the environment and technical systems** - the overlying goal of my research is the development and testing of new advanced processes for the degradation/removal of recalcitrant compounds and the inactivation/removal of microbiological contaminants with emphasis on **antimicrobial resistance determinants** from wastewater, the development of analytical methods for the identification of contaminants of emerging concern in environmental matrices, crops and biota and the assessment of the biological potency of treated urban wastewater and its **reuse in the framework of circular economy**.

### **Teaching Interests**

Environmental pollution control (understanding the fate and behavior of contaminants of emerging concern)  
- Wastewater treatment/management – Environmental risk assessment: the aim is to combine a sound basis in environmental engineering with an in-depth understanding of the natural systems and the physico-chemical

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and biological processes in order to prepare students for leading positions in the field of environmental engineering.

## CAREER HISTORY at UCY

Department of Civil and Environmental Engineering, University of Cyprus <b>Professor</b> Head of GAIA Laboratory	since 2020
Nireas, International Water Research Center, (University Research Unit) University of Cyprus <b>Founding Director</b>	2010-2022
Department of Civil and Environmental Engineering, University of Cyprus <b>Associate Professor</b>	2015-2020
Department of Civil and Environmental Engineering, University of Cyprus <b>Assistant Professor</b>	2007-2015
Department of Civil and Environmental Engineering, University of Cyprus <b>Lecturer</b>	Sept. 2003-2007
Founder and Head of GAIA, Laboratory of Environmental Engineering, renamed into Gaia, Laboratory of Environmental and Engineered Water Processes and Systems in 2021	since 2003

## CAREER HISTORY, general

<b>Member</b> of the Independent Expert Advisory Committee (IEAC) of the Australian Cooperative Research Centre for Solving Antimicrobial Resistance in Agribusiness, Food, and Environments (SAAFE), Australia	2023-2026
<b>Member</b> of the International Scientific Committee of OneWater – Eau Bien Commun, France Elected as a <b>Member</b> of SETAC Europe Council	2023-ongoing May 2022-ongoing
<b>Member</b> of the Educational Council of the Diplomatic Academy of the Ministry of Foreign Affairs, Cyprus	2021-2023
<b>Member</b> of the Scientific Advisory Committee of the Catalan Institute for Water Research (ICRA), Spain <a href="http://www.icra.cat">www.icra.cat</a>	since 2020
<b>Editor:</b> Water Research, Elsevier, <a href="https://www.journals.elsevier.com/water-research/">https://www.journals.elsevier.com/water-research/</a>	since October 2022
<b>Associate Editor:</b> Water Research, Elsevier, <a href="https://www.journals.elsevier.com/water-research/">https://www.journals.elsevier.com/water-research/</a>	2020-2022
<b>Member</b> of the Scientific Advisory Board Committee of the Center "Cross-Research in Environmental Technologies of the University of Santiago de Compostela (CRETUS)", Universidade de Santiago de Compostela, Spain. <a href="https://cretus.usc.es/en/structure-and-organization/">https://cretus.usc.es/en/structure-and-organization/</a>	since 2019
African Center of Excellence in Water and Environment Research (ACEWATER), <b>Chair</b> of the Advisory Board. The Center is located in Nigeria.	2019-2024
European Joint Programming Initiative ‘Water Challenges for a Changing World’, <b>Chair</b> of the Scientific and Technological Board (STB).	2015-2019
European Joint Programming Initiative ‘Water Challenges for a Changing World’, <b>member</b> of the Scientific and Technological Board (STB), elected initially in 2012 and re-elected in 2015 in the 10-member STB as the Chair of Board.	2012-2019
<b>Member</b> of the Academic Board of the postgraduate program of the ‘Environmental Conservation and Management’, Faculty of Pure and Applied Science, Open University of Cyprus.	2015-2017
<b>Chair</b> of the European COST Action NEREUS ES1403, "New and emerging challenges and opportunities in wastewater reuse", <a href="http://www.cost.eu/COST_Actions/essem/Actions/ES1403">http://www.cost.eu/COST_Actions/essem/Actions/ES1403</a>	2014-2018

<b>Founding member</b> of the International Ph.D. School on Advanced Oxidation Processes, member of the Scientific and Management Committee, elected in 2014, <a href="http://www.aops-school.com">http://www.aops-school.com</a>	2014
Serving as one of <b>Vice Chairs of the evaluation panel of MSCA</b> (Marie Skłodowska-Curie Actions) Individual Fellowships (ENV panel, Horizon 2020)	2019-2021, 2013-2016
<b>Leader of WG5:</b> Wastewater reuse and contaminants of emerging concern of the Norman Network, <a href="http://www.norman-network.net/?q=Home">http://www.norman-network.net/?q=Home</a>	2013-2019
<b>Co-Editor-in-Chief:</b> Journal of Environmental Chemical Engineering, Elsevier, <a href="http://www.journals.elsevier.com/journal-of-environmental-chemical-engineering/">http://www.journals.elsevier.com/journal-of-environmental-chemical-engineering/</a>	2012-September 2022
<b>Executive Editor:</b> Journal of Environmental Chemical Engineering, Elsevier, <a href="http://www.journals.elsevier.com/journal-of-environmental-chemical-engineering/">http://www.journals.elsevier.com/journal-of-environmental-chemical-engineering/</a>	since September 2022
Cyprus International Institute for the Environment and Public Health in association with the Harvard School of Public Health	2005-2009
<b>Faculty Member by invitation</b>	
Laboratory of Organic Chemistry, School of Chemical Engineering, NTUA	2001-2003
<b>Researcher (IAX)</b>	
European Topic Center on Waste and Material Flows, European Environment Agency	2000-2004
<b>Inner Circle Expert</b>	
Unit of Environmental Science and Technology, School of Chemical Engineering, NTUA	1999-2003
<b>Post-Doctoral Researcher</b>	

## AWARDS – SCIENTIFIC RECOGNITION

Included in AcademiaNet in the area of Environmental Chemical Engineering [nominated by The Cyprus Research and Innovation Foundation (RIF)]. AcademiaNet is a database that includes nominated-only profiles of women academics with outstanding academic qualifications, in order to be used by decision makers to identify the best female academics. It is managed by the the Swiss National Science Foundation (SNSF).	2023
Selected as one of the 11 scientists who comprise the Mediterranean Science Team of 2023, as a recognition for their groundbreaking work, honoured in a Gala in Istanbul, during which each member of the Science Team will receive a football Jersey with the MEDNIGHT coat of arms, symbolising their belonging to a pioneering team in the league of science. European project MEDNIGHT - Mediterranean Researchers' Night, 9 February 2023, Istanbul, Turkey.	2023
<b>"Highly Cited Researcher"</b> , in recognition of the production of multiple highly cited papers that rank in the top 1% by citations for field and year in <b>Environment and Ecology</b> ; Web of Science, Clarivate Analytics. The 2023 list is based on citations in papers published between 2012 and 2022.	2023
<b>"Highly Cited Researcher"</b> , in recognition of the production of multiple highly cited papers that rank in the top 1% by citations for field and year in <b>Environment and Ecology</b> ; Web of Science, Clarivate Analytics. The 2022 list is based on citations in papers published between 2011 and 2021.	2022
<b>"SETAC Europe-Noack Laboratorien Outstanding Science Career Award"</b> , SETAC Europe 32 <sup>nd</sup> Annual Meeting, 15-19 May 2022, Copenhagen, Denmark.	2022
Selected by the Seneca Foundation - Science and Technology Agency of the Region of Murcia in Spain, in the exhibition that brought together the stories of 27 women scientists who can be an example to follow for new generations [sic], as part of the European project MEDNIGHT - Mediterranean Researchers' Night, 2021. <a href="https://mednight.eu/mediterranean-faces-of-science/">https://mednight.eu/mediterranean-faces-of-science/</a> & <a href="https://www.fsenece.es/mednight/">https://www.fsenece.es/mednight/</a>	2021
<b>"Highly Cited Researcher"</b> , in recognition of the production of multiple highly cited papers that rank in the top 1% by citations for field and year in <b>Environment and Ecology</b>	2021

<b>Ecology</b> ; Web of Science, Clarivate Analytics. The 2021 list is based on citations in papers published between 2010 and 2020.	
<b>Scientist/Academic Woman of the Year</b> , Madame Figaro Women of the Year Awards, presented by Estée Lauder.	2020
<b>"Highly Cited Researcher"</b> , in recognition of the production of multiple highly cited papers that rank in the top 1% by citations for field and year in <b>Environment and Ecology</b> ; Web of Science, Clarivate Analytics. The 2020 list is based on citations in papers published between 2009 and 2019.	2020
<b>"Highly Cited Researcher"</b> , in recognition of the production of multiple highly cited papers that rank in the top 1% by citations for field and year in <b>Environment and Ecology</b> ; Web of Science, Clarivate Analytics. The 2019 list is based on citations in papers published between 2008 and 2018.	2019
<b>"Highly Cited Researcher"</b> , in recognition of the production of multiple highly cited papers that rank in the top 1% by citations for field and year in <b>Cross-field</b> ; Web of Science, Clarivate Analytics. The 2018 list was based on citations in papers published between 2006 and 2016.	2018
Recipient of the honorary award for her long-standing contribution and activity in the research area of Environmental Protection, awarded by the Hellenic Open University, Greece in 2017.	2017
2011 Nikos Symeonides <b>National Research Award</b> , awarded by the Cyprus Research Promotion Foundation, (highest national research recognition).	2012
- Thomaidion Foundation Prize - high-quality scientific paper (by a PhD student)	2000
- Ph.D. Scholarship - A. Leventis Foundation, Greece	1996-1998
- M.Sc. Scholarship - European Union - for the EAEME graduate program	1994-1995
- B.A. Scholarship - State Scholarship Foundation (IKY), Greece	1988-1993

## PART I: TEACHING

### 1. TEACHING EXPERIENCE (2010: on sabbatical leave) – (teaching time release between 2011-2020) – (September 2022-May 2024: on sabbatical leave)

<i>Department of Civil and Environmental Engineering, UCY</i> "Introduction to Environmental Engineering", CEE181 renamed into CEE381.	Spring 04, 05, 06 Fall 07, 08, 09, 12, 20, 21
<i>Department of Civil and Environmental Engineering, UCY</i> "Wastewater Management", CEE480.	Spring 08, 09, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 Fall 06
<i>Department of Civil and Environmental Engineering, UCY</i> "Experimental methods in water and wastewater analysis and treatment", CEE585.	Spring 08, 12, 21, 22 Fall 14, 16, 18
<i>Department of Civil and Environmental Engineering, UCY</i> "Environmental Risk Assessment", CEE581.	Spring 09 Fall 05, 11, 13, 15, 17, 20, 21
<i>Cyprus International Institute for the Environment and Public Health in association with the Harvard School of Public Health</i> <b>Lecturer</b> - participation in the course "Water Pollution", M.Sc. level.	Spring 07, 08
<i>Department of Civil and Environmental Engineering, UCY</i> "Environmental Impact Assessment", CEE481.	Spring 07 Fall 07, 08, 09

Department of Civil and Environmental Engineering, UCY "Solid and Hazardous Waste Management", CEE582.	Spring 06
Department of Civil and Environmental Engineering, UCY "Technology, Environment and Society", CEE200.	Fall 04
National Technical University of Athens, Greece (NTUA) <b>Teaching Assistant</b> - "Pollution Control and Monitoring Techniques" Interdisciplinary Programme of Postgraduate Studies - "Environment and Development".	1998-2000
Operational Programme for Education and Initial Vocational Training Hellenic Ministry of National Education and Religious Affairs - NTUA <b>Instructor</b> - EPEAEK - Energy 3.4.c - "Environmental Technology", 50 hours.	4/99-7/99
Center of Professional Education Xinis, Greece <b>Instructor</b> - "Technicians for Wastewater and Municipal Waste Disposal Facilities", 88 hours.	2/99-5/99
Center of Continuing Education of NTUA <b>Instructor</b> - "Hazardous Waste Management", 48 hours.	3/99-5/99
Operational Programme for Education and Initial Vocational Training Hellenic Ministry of National Education and Religious Affairs - NTUA <b>Teaching Assistant</b> - Participation in the development of the Course structure "Objectives and Procedures of the Graduation Thesis - Connection of the Thesis with the Industrial Reality" Educational Programmes of the Chemical Engineering Departments in Greece, (EPEAEK-3.1.α).	1998-2000
Hellenic Ministry of National Education and Religious Affairs <b>Instructor</b> - "Techniques for Environmental Monitoring and Control", 6 hours.	11-23/6/98
Hellenic Ministry of National Education and Religious Affairs - NTUA <b>Instructor</b> - "Environmental Management", 4 hours. Organized by the National Youth Foundation in collaboration with the Hellenic Society of Engineers.	1-12/12/97
Center of Continuing Education of NTUA, Hellenic Ministry of Labor <b>Instructor</b> - "Eco Management and Audit Scheme (EMAS) for industries", 4 hours.	2/1997
Center of Continuing Education of NTUA, Hellenic Ministry of Labor <b>Instructor</b> - "Environmental Protection for Young People", 15 hours.	1/96-12/96
Center of Continuing Education of NTUA, Hellenic Ministry of Labor <b>Instructor</b> - "Industrial Waste Management and Treatment", 12 hours.	1/96-3/96
National Technical University of Athens, Greece (NTUA) <b>Teaching Assistant</b> - Laboratorial Exercises, "General Chemistry I and II", School of Metallurgists and Mine Engineers.	1993-1997

## 2. STUDENT ADVISING - Ph.D. LEVEL

- V. Beretsou: Presence, fate and effects of contaminants of emerging concern and their transformation  
<sup>9</sup> products in engineered water systems, enrolled: January 2016, UCY, **Completed:** April 2023, UCY,  
(Advisor).



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8 I. Iakovides: Fate of antibiotics, antibiotic-resistant bacteria and resistance genes during conventional and advanced wastewater treatment and irrigation in agriculture, enrolled: January 2016, UCY, **Completed:** September 2022, UCY, (Advisor).

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7 S. Michael: Tackling antibiotics, antimicrobial resistance determinants, pathogenic microbes and toxicity in urban wastewater: A multibarrier technological approach, enrolled: January 2015, UCY, **Completed:** July 2022, UCY, (Advisor).

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6 P. Karaolia: Evaluation of the efficiency of the combination of a Membrane BioReactor with selected Advanced Oxidation Processes for the removal of antibiotic-related microcontaminants, enrolled: January 2012, UCY, **Completed:** February 2019, UCY, (Advisor).

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5 A. Katsoni: Sustainable treatment and utilization of industrial and urban wastewaters, Technical University of Crete, **Completed:** February 2015, (Member of the PhD Advisory Committee).

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4 L. Ioannou: Advanced systems for the enhancement of the environmental performance of wineries - wastewater purification combining biological, advanced chemical and reverse osmosis treatment, enrolled: January 2010, UCY, **Completed:** November 2013, UCY, (Advisor).

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3 M. Ines Vasquez Hadjilyra: Active pharmaceutical ingredients in aqueous matrices: An integrated approach for assessing effects, enrolled: January 2006, **Completed:** December 2012, UCY, (Advisor).

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2 I. Michael: Investigating the solar-driven advanced chemical oxidation of ofloxacin and trimethoprim in sewage and other aqueous matrices, enrolled: January 2009, **Completed:** June 2012, UCY, (Advisor).

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1 A. Achilleos: Heterogeneous photocatalysis, sonolysis and sonophotocatalysis for the removal of selected pharmaceutical compounds from aqueous matrices, enrolled: January 2005, **Completed:** June 2011, UCY, (Advisor).

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*This is the first Ph.D. in Environmental Engineering ever awarded by a University in Cyprus.*

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### 3. STUDENT ADVISING - MASTER LEVEL

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#### - M.Eng. THESES (Advisor)

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21 A. Siammouti: Artificial intelligence in the field of environmental science and engineering, (completed in December 2021).

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20 E. Nikolaou: Determination and monitoring of the minimum inhibitory concentration (MIC) of cefotaxime in *E. coli* in an MBR-treated wastewater effluent, (completed in May 2019).

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19 A. Evagorou: Microplastics in the marine environment: major sources and already identified effects, (completed in May 2018).

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18 S. Hadjiprokopiou: Guidelines on the minimization of the environmental impacts caused by the operation of Environmental Science and Technology Laboratories, (completed in May 2017).

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17 A. Theophanous: Water and wastewater management - A glossary, (completed in May 2017).

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16 P. Photiou: Insights into Solid Phase Extraction methods for optimum recovery of pharmaceutical compounds from complex environmental matrices, (completed in December 2016).

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15 P. Panayiotou: Adsorption behavior of fluoroquinolone antibiotics in soils, (completed in May 2015).

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14 M. Iacovou: Removal of clarythromycin from sewage and investigation of the parameters affecting the formation of bromate ions during ozonation, (completed in May 2015).

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13 P. Kitrou: Occurrence and fate of antibiotics in the terrestrial environment, (completed in December 2014).

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12 M. Parpi: An environmental and socioeconomic approach of olive mill wastewater management - Current status in some Mediterranean countries, (completed in December 2014).

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11 S. Christodoulou: A comparative study of the effects of chloride, sulfate and carbonate ions on the rates of decomposition of ethyl paraben by solar photo-Fenton, (completed in December 2014).

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10	E. Constantinou: Assessing the biological potency of urban wastewater, (completed in June 2014).
9	M. Michael: Development of public communication material using as examples winery wastewater management and the assessment of effects of pharmaceutical residues in the environment, (completed in May 2013).
8	V. Sophokleous: Evaluation of the potential biological effects of mixtures of pharmaceuticals in aqueous matrices, (completed in April 2011).
7	D. Karalagas: Systems and methods for the treatment of olive oil wastewaters, (completed in April 2011).
6	G. Michaelides: Environmental management systems and wineries, (completed in May 2010).
5	I. Elia: Review of the winery industry operation in Cyprus with regard to its environmental performance, (completed in May 2010).
4	E. Efthimiou: Occurrence, fate and effects of antibiotics in the environment, (completed in May 2010).
3	P. Kakouri: Occurrence, fate and effects of pharmaceuticals in hospital wastewater, (completed in May 2010).
2	E. Kassiniidis: Evaluation of the impact caused by the presence of active pharmaceutical ingredients in environmental waters and wastewaters, (completed in May 2010).
1	S. Panayiotou: Parameters affecting the cost and the efficiency of waste management schemes in islands. Particularities of island states and their comparison with mainland countries with islands, (completed in May 2009).
	<b>- M.Sc. THESES (Advisor)</b>
23	A. Naziri: Tracking pathogenic infections through a city's sewerage network: Setting up a wastewater-based public health sentinel, enrolled: January 2023 (ongoing).
22	Th. Mina: Assessment of antibiotics, resistance bacteria and resistance genes during hospital wastewater treatment: A multi-stage investigation using an original pilot scale system, enrolled: September 2021 (ongoing).
21	P. Parpa: Protozoa, crustaceans and microalgae for toxicity screening of reclaimed water at WWTP exit and point of use, enrolled: January 2021 (ongoing).
20	M. Dionysiou: Identification and quantification of illicit drugs in urban wastewater in Cyprus, (completed in February 2020).
19	R. Papamarkou: Monitoring of cefotaxime-resistant bacteria in urban wastewater, (completed in May 2019).
18	M. Kodjiamani: Removal of humic and fulvic acids during the application of light-driven oxidation processes, (completed in May 2016).
17	A. Parpounas: Development of an analytical method for the assessment of the presence of veterinary antibiotics in environmental matrices, (completed in December 2015).
16	R. Andreou: Abatement of parabens in secondary treated wastewater by ozonation and UV-activated persulfate oxidation, (completed in May 2015).
15	A. Panayi: Purification of olive mill wastewater by coagulation and solar Fenton oxidation at a pilot-scale, (completed in December 2014).
14	M. Tarapoulouzi: Advanced bioassays for evaluating the effects of pharmaceuticals to organisms and humans, (completed in December 2014).
13	C. Anastasiadou: Optimizing the solar photocatalytic treatment of parabens in municipal wastewater effluents: Evaluation of operational and kinetic parameters, (completed in May 2014).
12	P. Koutsoftas: Removal of x-ray contrast media by Moving Bed BioReactor, (completed in November 2013).



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- 11 K. Yiannapas: Optimising olive oil wastewater treatment by coagulation-flocculation and solar Fenton oxidation, (completed in September 2013).
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- 10 E. Eliadou: Heavy metals uptake by soil and crops in areas of intense wastewater reuse irrigation, (completed in May 2013).
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- 9 I. Fotiou: Sonolysis and sonophotocatalysis for the treatment of wastewater laden with pharmaceutical compounds, (completed in May 2013).
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- 8 S. Leva: Development of a series of ecotoxicity bioassays for mixtures of human and veterinary antibiotics in urban wastewater, (completed in March 2011), (Co-advisor) (Federico II Naples University, Advisor: Prof. Marco Guida).
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- 7 L. Ioannou: Photocatalytic degradation of b-blockers (atenolol and propranolol) in pure water and urban wastewaters with TiO<sub>2</sub> and solar radiation, (completed in December 2009). (**Diploma of Excellence by Hydrotech Ltd Competition in Czech Republic**).
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- 6 A. Papaioannou: Solar photocatalysis for the removal of sulfamethoxazole and amoxicillin from sewage, (completed in May 2009). (**Diploma of Excellence by Hydrotech Ltd Competition in Czech Republic**).
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- 5 C. Mavronikola: Removal of amoxicillin from aqueous solutions through the application of homogeneous photocatalytic process and investigation of the possible use of solar light as a photon flux source, (completed in June 2008).
- 
- 4 N. Varnava: Homogeneous catalytic chemical oxidation of atrazine and fenitrothion in aqueous solutions by dark Fenton and photo-Fenton reactions, (completed in June 2008).
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- 3 M. Konstantinou: Chemical degradation of recalcitrant and toxic herbicides and insecticides in aqueous solutions, (completed in June 2008).
- 
- 2 C. Voscov: Assessment of the environmental impacts caused by the operation of livestock units in a selected area in Cyprus, (completed in June 2008).
- 
- 1 M. Monou: Experimental investigations to optimize the anaerobic co-digestion of industrial bio waste and agriculture livestock wastes, (completed in September 2006).  
(Imperial College M.Sc. student - Co-advising with Prof. S. Smith - Thesis carried out at GAIA, UCY) - **Awarded with AES Laboratories Prize.**

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#### **- NTUA M.Sc. THESES co-supervision**

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- 2 A. Fragkioudaki: Development of a methodology for the simulation of the future generation of sewage sludge generated at the municipal biological treatment plants, NTUA Postgraduate programme "Science and Technology of Water Resources", 2003.
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- 1 I. Skoula: Development of a methodology for the estimation of the future quantities of End of Life Vehicles, NTUA Interdisciplinary Programme of Postgraduate Studies - "Environment and Development", 2003.
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#### **4. STUDENT ADVISING - INDEPENDENT STUDIES (ADVISOR)**

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- 33 E. Hambou: Pharmaceuticals in surface waters, CEE650, July 2023.
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- 32 A. Naziri: Looking into the effects of co-contamination by micro(nano)plastics in the presence of other pollutants on irrigated edible plants, CEE650, June 2023.
- 
- 31 Th. Mina: The presence of microplastics in urban wastewater, CEE650, February 2022.
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- 30 A. Siammouti: Water and wastewater disinfection processes, CEE650, May 2021.
- 
- 29 M. Dionysiou: Biochar as a means of reduction of crop uptake during treated wastewater irrigation, CEE650, May 2018.
- 
- 28 A. Evagorou: Occurrence and fate of steroids in urban wastewater treatment plants, CEE650, May 2017.
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<sup>27</sup> E. Nikolaou: Antibiotic-resistant bacteria and antibiotic resistance genes removal by conventional wastewater treatment plants: A review, CEE650, April 2017.

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<sup>26</sup> I. Iakovides: Ozone-based processes as post-secondary treatment for the removal of antibiotics, antibiotic-resistant bacteria and toxicity, CEE650, January 2017.

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<sup>25</sup> V. Beretsou: Development and validation of a multi-residue analytical methodology based on solid-phase extraction and liquid chromatography-tandem mass spectrometry (LC-MS/MS) for trace level determination of antibiotics in wastewater effluent samples, CEE650, January 2017.

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<sup>24</sup> S. Michael: Plant uptake of pharmaceutical active compounds and personal care products as a result of wastewater reuse: a review, CEE650, June 2016.

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<sup>23</sup> A. Parpounas: Environmental and socioeconomic impacts of olive mill wastewater management, CEE650, February 2015.

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<sup>22</sup> M. Kodjiamani: Xenobiotic compounds and human infertility, CEE650, April 2014.

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<sup>21</sup> I. Voukali: Disinfection processes for aqueous matrices and formation of disinfection byproducts, CEE650, November 2013.

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<sup>20</sup> M. Iacovou: Natural organic matter in aqueous matrices, CEE650, June 2013.

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<sup>19</sup> R. Andreou: The many mysteries of water, CEE650, February 2013.

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<sup>18</sup> P. Karaolia: Membrane bioreactors for the removal of pharmaceutical residues from sewage, CEE650, June 2012.

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<sup>17</sup> E. Eliadou: Occurrence, fate and effects of anti-inflammatory drugs and b-blockers in the environment, CEE650, June 2012.

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<sup>16</sup> E. Tryphonos: Review of the olive oil production sector in Cyprus, CEE650, June 2012.

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<sup>15</sup> K. Yiannapas: Polyphenols in olive oil and winery wastewater, CEE650, December 2011.

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<sup>14</sup> M. Tarapoulouzi: Detailed analysis of the operation of the major urban wastewater treatment plants in Cyprus, CEE650, December 2011.

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<sup>13</sup> P. Koutsoftas: Determination of the fate and behavior of various pharmaceuticals during advanced biological treatment, CEE650, December 2011.

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<sup>12</sup> I. Michael: Removal of antibiotics and antibiotic resistance genes by conventional and advanced treatment processes, CEE650, June 2011.

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<sup>11</sup> A. Papaioannou: Ultrasound applications for wastewater treatment, CEE650, June 2008.

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<sup>10</sup> Ch. Mavronikola: How to design sampling to assess treatment efficiencies for substances of interest in full-scale plants, CEE650, May 2008.

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<sup>9</sup> A. (Antonia) Achilleos: Economical analysis of the environmental management systems in the hotel sector, CEE650, May 2008.

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<sup>8</sup> M. Konstantinou: Photo Fenton oxidation for the degradation of pesticides, CEE650, May 2007.

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<sup>7</sup> A. (Antigoni) Achilleos: Life Cycle Assessment of olive oil production - Collection of background data, CEE651, May 2006.

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<sup>6</sup> N. Kythreotou: Life Cycle Assessment of olive oil production - Collection of foreground data, CEE651, May 2006.

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<sup>5</sup> A.N. Londou: Photometry, spectrometry and chromatography for environmental analysis, CEE650, May 2006.

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<sup>4</sup> C. Voscós: Guidelines for integrated pollution prevention and control in piggeries, CEE650, May 2006.

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<sup>3</sup> M. Ines Vasquez Hadjilyra: Environmental Microbiology, CEE650, May 2006.

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<sup>2</sup> A. (Antigoni) Achilleos: Urban wastewater reclamation - Irrigation methods for wastewater reuse - Pathogens and public health, CEE650, May 2005.

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<sup>1</sup> N. Kythreotou: Development of specifications and information sheets for urban wastewater treatment systems, CEE650, December 2004.

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## **5. STUDENT ADVISING - PAST NTUA UNDERGRADUATE DIPLOMA THESES (co-supervision)**

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<sup>13</sup> V. Argirouli: Urban wastewater treatment systems - Development of technical specifications, 2004.

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<sup>12</sup> M. Athanasopoulou: Development of specifications for the reuse of treated urban wastewater, 2003.

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<sup>11</sup> Ch. Sofokleous: Development and implementation of a methodology for the management of chemical substances in industrial units, 2003.

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<sup>10</sup> K. Christodoulopoulos: Management of mining waste, 2002.

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<sup>9</sup> M. Stylianou: Development of guidelines for the optimization of the operation of a poultry slaughter house, 2002.

---

<sup>8</sup> E. Avramikos: Management of waste generated from construction and demolition activities- Analysis of the existing situation in Greece, 2002.

---

<sup>7</sup> G. Georgopoulou: Management of chemical substances on national level, 2000.

---

<sup>6</sup> M. Georghiadou: Quality assurance and quality control during industrial emissions inventorying procedures, 2000.

---

<sup>5</sup> M. Marneri: Development of guidelines for the application of Best Available Techniques in a number of industrial sectors the aim being the Integrated Pollution Prevention and Control, 2000.

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<sup>4</sup> A. Georgaraki: Design and development of a database for the elaboration of data related to the management of solid municipal waste, 2000.

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<sup>3</sup> I. Vei: Ano Liosia Landfill Site: Determination of the hydrological balance and assessment of the pollution level of the groundwater aquifer, 1999.

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<sup>2</sup> C. Voscos: Research on the quality of leachates generated in the landfill area of Ano Liosia and assessment of the pollution level of the groundwater in the vicinity of the landfill, 1997.

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<sup>1</sup> A. Charalambous: Assessment of the sea pollution level at the area of Keratsini, 1996.

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## **6. MEMBER OF M.Sc./Ph.D. EXAMINATION COMMITTEES**

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Member of the Committee for the Ph.D. Qualification Exams of Ms Constantina Varnava, Department of Civil and Environmental Engineering, UCY, October 2023.

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Member of the Ph.D. Examination Committee of Ms Dominique Narain-Ford, KWR and University of Amsterdam, The Netherlands, May 2023.

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External examiner of the Ph.D. Examination Committee of Ms Imogen Hands, School of Chemical Sciences, Dublin City University, July 2022.

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Member of the Ph.D. Proposal Examination Committee of Ms Vasiliki Beretsou, Department of Civil and Environmental Engineering, UCY, May 2021.

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Member of the Ph.D. Proposal Examination Committee of Mr Iakovos Iakovides, Department of Civil and Environmental Engineering, UCY, March 2021.

---

Member of the Final Ph.D. Examination Committee of Ms Athina Nicolaou, Department of Chemistry, UCY, January 2021.

---

Member of the Committee for the Ph.D. Qualification Exams of Mr Andreas Eleftheriou, Department of Civil and Environmental Engineering, UCY, September 2020.

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Member of the Ph.D. Proposal Examination Committee of Ms Stella Michael, Department of Civil and Environmental Engineering, UCY, May 2020.

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Ph.D. referee for the thesis of Ms Liron Friedman, Faculty of Engineering, Tel Aviv University, 2019.

---

Member of the Final Ph.D. Examination Committee of Ms Popi Karaolia, Department of Civil and Environmental Engineering, UCY, February 2019.

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Head of the Committee for the Ph.D. Qualification Exams of Ms Vasiliki Beretsou, Department of Civil and Environmental Engineering, UCY, September 2018.

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Head of the Committee for the Ph.D. Qualification Exams of Mr Iakovos Iakovides, Department of Civil and Environmental Engineering, UCY, September 2018.

---

Head of the Committee for the Ph.D. Qualification Exams of Ms Stella Michael, Department of Civil and Environmental Engineering, UCY, January 2018.

---

Member of the Ph.D. Proposal Examination Committee of Ms Popi Karaolia, Department of Civil and Environmental Engineering, UCY, October 2016.

---

Member of the Final Ph.D. Examination Committee of Ms Gracia Rivas Ibáñez, University of Almería, July 2016.

---

External Expert of the Ph.D. thesis of Ms Giovanna Ferro to evaluate if the Ph.D. thesis was worthy of the label "Doctor Europaeus", Department of Civil Engineering, University of Salerno, May 2016.

---

Member of the Final Ph.D. Examination Committee of Ms Melpomeni Prodromou, Department of Chemistry, UCY, October 2015.

---

Member of the Final Ph.D. Examination Committee of Ms D<sup>a</sup> Sheyla Andrea Ortiz de Garcia, University of Valladolid, October 2015.

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Member of the Final Ph.D. Examination Committee of Mr Ioannis Anastopoulos, Department of Natural Resources and Agricultural Engineering, Agricultural University of Athens, October 2015.

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Member of Final Ph.D. Examination Committee of Ms Christiana Georgiou, Department of Chemistry, UCY, May 2015.

---

Head of the Committee for the Ph.D. Qualification Exams of Ms Popi Karaolia, Department of Civil and Environmental Engineering, UCY, January 2014.

---

Head of the Final Ph.D. Examination Committee of Mr Agathoklis Agathokleous, Department of Civil and Environmental Engineering, UCY, December 2014.

---

Member of the M.Sc. Examination Committee of Mr Andreas Hari, Department of Civil and Environmental Engineering, UCY, December 2014.

---

Member of the Final Ph.D. Examination Committee of Ms Lida Ioannou, Department of Civil and Environmental Engineering, UCY, November 2013.

---

Head of M.Sc. Examination Committee of Ms M. Dionysiou (February 2020), Mr R. Papamarkou (May 2019), Ms M. Kodjiamani (May 2016), Mr A. Parpouna (Dec. 2015), Ms R. Andreou (May 2015), Ms A. Panayi (Dec. 2014), Ms M. Tarapoulouzi (Dec. 2014), Ms A. Panayi (Dec. 2014), Ms C. Anastasiadou (May 2014), Mr P. Koutsoftas (Nov. 2013), Mr K. Yiannapas (Sept. 2013), Ms E. Eliadou (May 2013), Ms I. Fotiou (May 2013), Ms L. Ioannou (Dec. 2009), Ms A. Papaioannou (May 2009), Ms Ch. Mavronikola (June 2008), Mr N. Varnava (June 2008), Ms M. Konstantinou (June 2008), Mr C. Voskos (June 2008) and Ms M. Monou (Sept. 2006), Department of Civil and Environmental Engineering, UCY.

---

Member of the Examining Board of Ms Maria Jesus Gracia Galan, Universitat de Barcelona, Spain, January 2013.

---

Member of the Final Ph.D. Examination Committee of Ms Marlen Ines Vasquez Hadjilyra, Department of Civil and Environmental Engineering, UCY, December 2012.

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Member of the Final Ph.D. Examination Committee of Ms Irene Michael, Department of Civil and Environmental Engineering, UCY, May 2012.

---

Member of the Ph.D. Proposal Examination Committee of Ms Lida Ioannou, Department of Civil and Environmental Engineering, UCY, May 2012.

---

Head of the Committee for the Ph.D. Qualification Exams of Ms Lida Ioannou, Department of Civil and Environmental Engineering, UCY, January 2012.

---

Member of the Final Ph.D. Examination Committee of Ms Antigoni Achilleos, Department of Civil and Environmental Engineering, UCY, May 2011.

---

Member of the Ph.D. Proposal Examination Committee of Ms Irene Michael, Department of Civil and Environmental Engineering, UCY, May 2011.

---

Member of the Ph.D. Proposal Examination Committee of Ms Marlen Ines Vasquez Hadjilyra, Department of Civil and Environmental Engineering, UCY, February 2011.

---

Member of the M.Sc. Examination Committee of Ms Maria Klavarioti, Department of Civil and Environmental Engineering, UCY, December 2011.

---

Head of the Committee for the Ph.D. Qualification Exams of Ms Irene Michael, Department of Civil and Environmental Engineering, UCY, January 2011.

---

Member of the Jury for the Ph.D. examination of Ms Carla Sirtori, University of Almeria, Spain, July 2010.

---

Member of the Ph.D. Proposal Examination Committee of Ms Antigoni Achilleos, Department of Civil and Environmental Engineering, UCY, March 2010.

---

Head of the Committee for the Ph.D. Qualification Exams of Ms Marlen Ines Vasquez Hadjilyra, September 2008.

---

Member of the Final Ph.D. Examination Committee of Ms Aphroditi Tillirou, Department of Chemistry, UCY, December 2007.

---

Head of the Committee for the Ph.D. Qualification Exams of Ms Antigoni Achilleos, April 2007.

---

Member of the Final Ph.D. Examination Committee of Ms Konstantina Kolokasidou, Department of Chemistry, UCY, February 2007.

---

Member of the Final Ph.D. Examination Committee of Ms Panagiota Lambrou, Department of Chemistry, UCY, April 2006.

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Head of the Committee for the Ph.D. Qualification Exams of Ms Nikoletta Kythreotou, April 2006.

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## **7. BACHELOR STUDENT ADVISING – Undergraduate Diploma Theses**

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A. Ioannou: Monitoring of the antibiotic resistance of *Escherichia Coli* in urban wastewater effluents at various stages of wastewater treatment, University of Patras (Completed in July 2018) (Co-Supervision with Prof. Ch. Paraskevas).

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## **PART II: RESEARCH**

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### **1. PUBLICATIONS - GUEST EDITOR OF SPECIAL VOLUMES OF SCIENTIFIC JOURNALS**

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<sup>G27</sup> D. Fatta-Kassinou, P. Fernandez-Ibanez, W. Khan, E. Donner, V. Yargeau, K. Hamilton, Guest Editors

Special Issue: "Pioneering women in water research"

*Journal of Environmental Chemical Engineering*, Elsevier, In preparation, Closing date: December 2023.

<https://www.sciencedirect.com/journal/journal-of-environmental-chemical-engineering/about/call-for-papers#pioneering-women-in-water-research>

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- G26 Q. Wu, D. Fatta-Kassinos, H. Liu, Y. Shen, Guest Editors  
Special Issue: "Emerging Challenges and Strategies for Water and Wastewater Disinfection"  
*Environmental Pollution*, Elsevier, In preparation, Closing date: August 2023.  
<https://www.sciencedirect.com/journal/environmental-pollution/about/call-for-papers>
- 
- G25 G. Palmisano, L. Dumeé, F. Al Marzooqi, Guest Editors  
D. Fatta-Kassinos, Overseeing Editor  
Special Issue: "Engineering advances in water and air remediation and CO<sub>2</sub> capture and utilization"  
*Journal of Environmental Chemical Engineering*, Elsevier, In preparation, Closing date: April 2023.  
<https://www.sciencedirect.com/journal/journal-of-environmental-chemical-engineering/about/call-for-papers>
- 
- G24 J. Nieto, R. Torres-Palma, V. Vilar, Guest Editors  
D. Fatta-Kassinos, Overseeing Editor  
Special Issue: "Advances, Trends and Challenges on Advanced Oxidation/Reduction Technologies in Iberoamerican Countries"  
*Journal of Environmental Chemical Engineering*, Elsevier, In preparation, Closing date: April 2023.  
<https://www.sciencedirect.com/journal/journal-of-environmental-chemical-engineering/about/call-for-papers>
- 
- G23 K. McGuigan, R. Dhodapkar, S. Giannakis, W. Khan, L.P. Sabogal Paz, Guest Editors  
D. Fatta-Kassinos, Overseeing Editor  
Special Issue: "Sustainable Water Treatment Technologies for Use in Resource-Poor Environments"  
*Journal of Environmental Chemical Engineering*, Elsevier, In preparation, Closing date: April 2023.  
<https://www.sciencedirect.com/journal/journal-of-environmental-chemical-engineering/about/call-for-papers>
- 
- G22 D. Fatta-Kassinos, W. Ahmed, B. Gawlik, Guest Editors  
Special Issue: "Mapping the urban wastewater genome towards the understanding of human infectious disease"  
*Human Genomics*, BMC-Spinger Nature, (in preparation).  
<https://www.biomedcentral.com/collections/MUGTUHID>
- 
- G21 Q. Wang, D. Fatta-Kassinos, X. Yang, S. Yi, C. Wu, H. Xu, Q. She, L. Gao, J. Zhu, Guest Editors  
Special Issue: "Role of desalination in the circular economy"  
*Desalination*, Elsevier, (in preparation).  
<https://www.sciencedirect.com/journal/desalination/about/call-for-papers#role-of-desalination-in-the-circular-economy>
- 
- G20 I. Oller-Alberola, D. Fatta-Kassinos, A. Arques, I. V. Gala, Guest Editors  
Special Issue: "Industrial and Urban Wastewater Treatment and Reuse"  
*Water*, MDPI, ISSN: 2073-4441.
- 
- G19 B.A. Frontana Uribe, J. Solla-Gullón, K. Bouzek, M.A. Rodrigo, S. Garcia-Segura, V.J.P. Vilar, Guest Editors  
D. Fatta-Kassinos, Overseeing Editor  
Special Issue: "Electrochemisrty in the Water-Energy-Climate Nexus"
-

- G17 S. Kim, S. K. Maeng, J. Hu, S. Snyder, D. Fatta-Kassinos, Guest Editors  
Special Issue: "Micropollutants in water"  
*Journal of Hazardous Materials*, Elsevier, May 2021, ISSN: 0304-3894.  
<https://www.sciencedirect.com/journal/journal-of-hazardous-materials/special-issue/10JTBC03XFZ>
- 
- G16 P. Karaolia, I. C. Iakovides, A. Christou, D. Fatta Kassinos  
Virtual Issue: "The Circular Economy strategy provides a new impetus for reclaimed water reuse: How can we achieve more? By knowing more."  
*Journal of Environmental Chemical Engineering*, Elsevier, February 2021, ISSN: 2213-3437.  
<https://www.journals.elsevier.com/journal-of-environmental-chemical-engineering/article-selections/the-circular-economy-strategy-provides-a-new-impetus>
- 
- G15 K. Manoli, D. Santoro, Y. Lee, D. Fatta-Kassinos  
Virtual Issue: "SARS-CoV-2 in water and wastewater systems: Analytical methods, presence, treatment and transmission"  
*Journal of Environmental Chemical Engineering*, Elsevier, October 2020, ISSN: 2213-3437.  
<https://www.journals.elsevier.com/journal-of-environmental-chemical-engineering/article-selections/virtual-issue-on-sars-cov-2-in-water-and-wastewater-systems>
- 
- G14 D. Fatta-Kassinos, N. Kreuzinger, L. Rizzo, Guest Editors  
Special Issue: "Urban wastewater reuse and chemical contaminants of emerging concern"  
*Chemosphere*, Elsevier, Vol. 248, Jan. 2020, ISSN: 0045-6535.
- 
- G13 D. Fatta-Kassinos, T. Zhang, E. Cytryn, E. Donner, Guest Editors  
Special Issue: "Challenges related to antimicrobial resistance in the framework of urban wastewater reuse"  
*Water Research*, Elsevier, Vol. 166, Dec. 2019, ISSN: 0043-1354.
- 
- G12 B. Piña and L. Rizzo, Guest Editors  
D. Fatta-Kassinos, Overseeing Editor  
Special Issue: "Wastewater reuse and antibiotic resistance"  
*Journal of Environmental Chemical Engineering*, Elsevier, Vol. 7, Issue 4, 2019, ISSN: 2213-3437.
- 
- G11 N. Xekoukoulotakis, Guest Editor  
D. Fatta-Kassinos, Overseeing Editor  
Special Issue: "Advanced Oxidation Processes for Water and Wastewater Treatment"  
*Journal of Environmental Chemical Engineering*, Elsevier, Vol. 6, Issue 6, 2018, ISSN: 2213-3437.
- 
- G10 S. Meriç Pagano, K. Özcan, A. Öngen, E. Elmaslar Özbaş, Guest Editors  
D. Fatta-Kassinos, Overseeing Editor  
Special Issue: "Sustainable Technologies for Reuse"  
*Journal of Environmental Chemical Engineering*, Elsevier, Vol. 4, Issue 3, 2016, ISSN: 2213-3437.
- 
- G9 Y. Deligiannakis and I. Konstantinou, Guest Editors  
D. Fatta-Kassinos, Overseeing Editor  
Special Issue: "Natural Organic Matter/Humics: Technological Applications"
-



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*Journal of Environmental Chemical Engineering*, Elsevier, Vol. 3, Issue 4, Part B, 2014, ISSN: 2213-3437.

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G<sup>8</sup> D. Dionysiou, D. Fatta-Kassinos, V. Rodriguez Gonzalez, G. Li Puma, R. Z. Specia, Guest Editors  
D. Fatta-Kassinos, Overseeing Editor  
Special Issue: "Photoassisted process for green environmental applications"  
*Journal of Environmental Chemical Engineering*, Elsevier, Vol. 3, Issue 4, Part B, 2014, ISSN: 2213-3437.

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G<sup>7</sup> D. Fatta-Kassinos and C. Michael, Guest Editors  
Special Issue: "Wastewater reuse applications and contaminants of emerging concern"  
*Environmental Science and Pollution Research*, Springer, Vol. 20, Issue 6, 2013, ISSN: 0944-1344 (Print), ISSN: 1614-7499 (Online).

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G<sup>6</sup> D. Kassinos and A. Ledin, Guest Editors  
Special section of an issue: "Xenobiotics in the urban water cycle"  
*Environmental Pollution*, Elsevier, Vol. 158, Issue 10, 2010, ISSN: 1873-6424.

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G<sup>5</sup> D. Mantzavinos, D. Kassinos, S. Parsons: Guest Editors  
Special Issue: "Applications of Advanced Oxidation Processes in Wastewater Treatment"  
*Water Research*, Elsevier, Vol. 43, Issue 16, 2009, ISSN: 0043-1354.

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G<sup>4</sup> S. Meric, D. Fatta, M. Gurel, R. Heath: Guest Editors  
Special Issue: "Diffuse pollution and sustainable basin management"  
*Desalination*, Elsevier, Vol. 226, 2008, ISSN: 0011-9164.

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G<sup>3</sup> D. Fatta and S. Meric: Guest Editors  
Special Issue: "Water and urban wastewater management in the Mediterranean area"  
*Desalination*, Elsevier, Vol. 215, 2007, ISSN: 0011-9164.

---

G<sup>2</sup> D. Fatta, Guest Editor  
Special Issue: "Tools, systems and methods for the sustainable urban wastewater reclamation and reuse in the Mediterranean countries"  
*International Journal of Environment and Pollution*, Inderscience Publishers, Vol. 33, Issue 1, 2008, ISSN: 0957-4352 (Print), ISSN: 1741-5101 (Online).

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G<sup>1</sup> D. Fatta, Guest Editor  
Special Issue: "Treatment technologies for industrial and urban wastewaters developed and applied in the Mediterranean countries"  
*International Journal of Environmental Technology and Management*, Inderscience Publishers, Vol. 6, Issue 5, 2006, ISSN: 1466-2132 (Print), ISSN: 1741-511X (Online).

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## 2. PUBLICATIONS - REFEREED JOURNAL PAPERS

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### Published (or recently accepted)

J<sup>188</sup> S. Mansilla, M. Escolà, B. Piña, J. Portugal, I.C. Iakovides, V.G. Beretsou, A. Christou, D. Fatta-Kassinos, J.M. Bayona, V. Matamoros, "Linking the use of reclaimed water to indicators of crop stress by metabolomic and transcriptomic analyses. A tool to compare water irrigation quality", *Science of Total Environment*, 2023, 908, 168182.

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J<sup>187</sup> D. Yalin, ..., D. Fatta-Kassinos, ..., K. Manoli, ..., E. Cytryn, "Mitigating Risks and Maximizing Sustainability of Treated Wastewater Reuse for Irrigation", *Water Research X*, 2023, 21, 100203.

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J<sup>186</sup> M. Jampani, J. Mateo-Sagasta, A. Chandrasekar, D. Fatta-Kassinos, D.W. Graham, R. Gothwal, A. Moodley, V.M. Chadag, D. Wiberg, S. Langan, "Fate and Transport Modelling for Evaluating Antibiotic Resistance in Aquatic Environments: Current Knowledge and Research Priorities", *Journal of Hazardous Materials*, 2023, 461, 132527.

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J185	A. Naziri, T. Mina, K. Manoli, V.G. Beretsou, A. Christou, C. Michael, E. Agathokleous, D. Fatta-Kassinou, "Looking into the effects of co-contamination by micro(nano)plastics in the presence of other pollutants on irrigated edible plants", <i>Science of Total Environment</i> , 2023, 892, 164618.
J184	X. Yin, ..., D. Fatta-Kassinou, ..., T. Zhang, "Towards a Universal Unit for Quantification of Antibiotic Resistance Genes in Environmental Samples", <i>Environmental Science &amp; Technology</i> , 2023, 57 (26), 9713-9721.
J183	R. Bade, ..., D. Fatta-Kassinou, ..., M. Psichoudaki, ..., J. Mueller, "Three years of wastewater surveillance for new psychoactive substances in 16 countries", <i>Water Research X</i> , 2023, 19 (1), 100179.
J182	MJ. Wade, ..., D. Fatta-Kassinou, ..., P. Karaolia, ..., MI. Zanolis Sato, "Wastewater Monitoring Can Anchor Global Disease Surveillance Systems", <i>The Lancet Global Health</i> , 2023, 11 (6), e976-e981.
J181	S. Tavazzi, ..., D. Fatta-Kassinou, P. Karaolia, I. C. Iakovides, P. Loutsiou, ..., B. M. Gawlik, "Short-term stability of wastewater samples for storage and shipment in the context of the EU Sewage Sentinel System for SARS-CoV-2", <i>Journal of Environmental Chemical Engineering</i> , 2023, 11 (2), 109623.
J180	M. Psichoudaki, T. Mina, M. Savvidou, C. Mina, C. Michael, D. Fatta-Kassinou, "Wastewater-based monitoring of illicit drugs in Cyprus by UPLC-MS/MS: The impact of the COVID-19 pandemic", <i>Science of the Total Environment</i> , 2023, 854, 158747.
J179	R. Akcaalan, ..., D. Fatta-Kassinou, P. Karaolia, ..., T. Kaloudis, "Water taste and odor (T&O): challenges, gaps and solutions from a perspective of the WaterTOP network", <i>Chemical Engineering Journal Advances</i> , 2022, 12, 100409.
J178	V.G. Beretsou, M.C. Nika, K. Manoli, C. Michael, Q. Sui, L. Lundy, D.M. Revitt, N.S. Thomaidis, D. Fatta-Kassinou, "Multiclass target analysis of contaminants of emerging concern including transformation products, soil bioavailability assessment and retrospective screening as tools to evaluate risks associated with reclaimed water reuse", <i>Science of the Total Environment</i> , 2022, 852, 158391.
J177	K. Manoli, A. Naziri, I. Ttofi, C. Michael, I.J. Allan, D. Fatta-Kassinou, "Investigation of the effect of microplastics on the UV inactivation of antibiotic-resistant bacteria in water", <i>Water Research</i> , 2022, 222, 118906.
J176	P. Karaolia, C. Michael, T. Schwartz, D. Fatta-Kassinou, "Membrane bioreactor followed by solar photo-Fenton oxidation: Bacterial community structure changes and bacterial reduction", <i>Science of the Total Environment</i> , 2022, 847, 157594.
J175	A. Ogunlaja, O.O. Ogunlaja, O.D. Olukanni, K. Taylor, C.G. Olorunnisola, V.T. Dougnon, W. Mousse, D. Fatta-Kassinou, T.A.M. Msagati, E.I. Unuabonah, "Antibiotic Resistomes and their Chemical Residues in Aquatic Environments in Africa", <i>Environmental Pollution</i> , 2022, 119783.
J174	E. Agathokleous, ..., D. Fatta-Kassinou, ..., E.J. Calabrese, "Rethinking subthreshold effects in regulatory chemical risk assessments", <i>Environmental Science &amp; Technology</i> , 2022, 56, 11095-11099.
J173	S.G. Michael, B. Drigo, I. Michael-Kordatou, C. Michael, T. Jäger, S.C. Aleer, T. Schwartz, E. Donner, D. Fatta-Kassinou, "The effect of ultrafiltration process on the fate of antibiotic-related microcontaminants, pathogenic microbes, and toxicity in urban wastewater", <i>Journal of Hazardous Materials</i> , 2022, 435, 128943.
J172	M.K.D. Dueholm, M. Nierychlo, K.S. Andersen, V. Rudkjøbing, S. Knutsson, MiDAS Global Consortium (S. Arriaga, ..., D. Fatta-Kassinou, ..., P.H. Nielsen), M. Albertsen, P.H. Nielsen, "MiDAS 4: A global catalogue of full-length 16S rRNA gene sequences and taxonomy for studies of bacterial communities in wastewater treatment plants", <i>Nature Communications</i> , 2022, 13 (1908).
J171	W. Brack, ..., D. Fatta-Kassinou, ..., E. Zuccato, "One Planet - one Health: A Call to Support the Initiative on a Global Science-Policy Body on Chemicals and Waste", <i>Environmental Sciences Europe</i> , 2022, 34 (21).

J170	I. J. Allan, S. Samanipour, K. Manoli, J. Gigault, D. Fatta-Kassinou, "Examining the Relevance of the Microplastic-Associated Additive Fraction in Environmental Compartments", <i>ACS ES&amp;T Water</i> , 2022, 2 (3), 405-413.
J169	J. L. Wilkinson, ..., D. Fatta-Kassinou, L. I. Ttofa, ..., C. Teta, "Pharmaceutical Pollution of the World's Rivers", <i>Proceedings of the National Academy of Sciences of the United State of America (PNAS)</i> , 2022, 119 (8), e2113947119. <i>This paper was awarded with the 2022 Cozzarelli Prize by the Proceedings of the National Academy of Sciences (PNAS) in Class VI: Applied Biological, Agricultural, and Environmental Sciences. This is an award that recognizes outstanding contributions to the scientific disciplines represented by National Academy of Sciences (NAS).</i>
J168	A. Christou, M. Stylianou, E.C. Georgiadou, S. Gedeon, A. Ioannou, C. Michael, P. Papanastasiou, V. Fotopoulos, D. Fatta-Kassinou, "Effects of biochar derived from the pyrolysis of either biosolids, manure or spent coffee grounds on the growth, physiology and quality attributes of field-grown lettuce plants", <i>Environmental Technology &amp; Innovation</i> , 2022, 26, 102263.
J167	E. Agathokleous, D. Barceló, D. Fatta-Kassinou, M. N. Moore, E. J. Calabrese, "Contaminants of emerging concern and aquatic organisms: The need to consider hormetic responses in effect evaluations", <i>Water Emerging Contaminants &amp; Nanoplastics</i> , 2021, 1 (2).
J166	S. Balachandran, L. V. C. Charamba, K. Manoli, P. Karaolia, S. Caucci, D. Fatta-Kassinou, "Simultaneous inactivation of multidrug-resistant <i>Escherichia coli</i> and enterococci by peracetic acid in urban wastewater: Exposure-based kinetics and comparison with chlorine", <i>Water Research</i> , 2021, 202, 117403.
J165	I. C. Iakovides, K. Manoli, P. Karaolia, I. Michael-Kordatou, C. M. Manaia, D. Fatta-Kassinou, "Reduction of antibiotic resistance determinants in urban wastewater by ozone: Emphasis on the impact of wastewater matrix towards the inactivation kinetics, toxicity and bacterial regrowth", <i>Journal of Hazardous Materials</i> , 2021, 420, 126527.
J164	P. Karaolia, S. Vasileiadis, S. G. Michael, D. G. Karpouzias, D. Fatta-Kassinou, "Shotgun metagenomics assessment of the resistome, mobilome, pathogen dynamics and their ecological control modes in full-scale urban wastewater treatment plants", <i>Journal of Hazardous Materials</i> , 2021, 418, 126387.
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*This paper was selected as a hand-picked choice of authors' research and scientific articles from Science of the Total Environment.*

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### 3. PAPERS/ABSTRACTS - REFEREED INTERNATIONAL CONFERENCES (presented orally)

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c79	A. Achilleos, E. Hapeshi, N. P. Xekoukoulotakis, D. Mantzavinos, D. Kassinou, "UV-A and solar photodegradation of ibuprofen and carbamazepine sensitized by TiO <sub>2</sub> ", 2 <sup>nd</sup> European Conference on Environmental Applications of Advanced Oxidation Processes, Nicosia, Cyprus, 9-11 September 2009.
c78	L. Rizzo, S. Meric, V. Naddeo, M. Guida, V. Belgiorno, D. Kassinou, "A comparative evaluation of suitable ecotoxicity methods for testing photocatalysis and ultrasound treated pharmaceuticals in solutions and wastewater", 2 <sup>nd</sup> European Conference on Environmental Applications of Advanced Oxidation Processes, Nicosia, Cyprus, 9-11 September 2009.
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c72	M. Monou, S. Ioannou, M. Vatyliotou, D. Glekas, I. Glekas, D. Kassinou, "Analyses of the environmental impacts caused by the tourists accommodation sector. Case study: Jordan", Protection and Restoration of the Environment IX, PRE9, Kefalonia, Greece, 29 June - 3 July 2008.
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Anniversary Sardinia Symposium, 11<sup>th</sup> International Landfill Symposium, S. Margherita di Pula Cagliari, Sardinia, Italy, 1-5 October 2007.

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c56	D. Fatta, K. Moustakas, M. Loizidou, M. Mountadar, O. Assobhei, "Wastewater treatment technologies and effluent standards applied in the Med countries for reuse in agriculture", WATMED, International Conference on Water Resources in the Mediterranean Basin, Marrakech, Morocco, 14-17 November 2005.
c55	D. Fatta, S. Anayiotou, I. Papadopoulos, "An overview of the water and wastewater management practices in Cyprus", IWA Specialty Conference, Wastewater reclamation and reuse for sustainability, Jeju, Korea, 8-11 November 2005.
c54	Ch. Savvides, D. Fatta, A. Economides, C. Malikkides, "The Implementation of NEC Directive in Cyprus", International Conference on IPPC Implementation in European Countries, Bratislava, Slovakia, 10-11 October 2005.
c53	A. Economides, Ch. Savvides, D. Fatta, "The Implementation of the EPER Decision (2000/479/EC) in Cyprus", International Conference on IPPC Implementation in European Countries, Bratislava, Slovakia, 10-11 October 2005.
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c51	A. Achilleos, D. Fatta, "Pathogens and public health in agricultural wastewater reuse - Overview of the treatment methods required", First International Conference on Sustainable Wastewater Treatment and Reuse in the Mediterranean Countries, SUWTR 2005, Nicosia, Cyprus, 15-16 September 2005.
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c49	Y. Mogheir, T. Abu Hjair, Z. Zomlot, A. Ahmed, D. Fatta, "Treated wastewater reuse in Palestine", International Conference "Water, Values and Rights", organized by Palestinian Academy for Science and Technology (PALAST) and Palestinian Water Authority and co-sponsored by the United Nation Development Programme (UNDP), Ramallah, Palestine, 2-4 May 2005.
c48	D. Hidalgo Barrio, R. Irusta, D. Fatta, A. Papadopoulos, A. Mentzis, M. Loizidou, "Analysis of best practices and success stories for sustainable urban wastewater treatment and reuse in the agricultural production in the Mediterranean Countries", Global Symposium on Recycling, Waste Treatment and Clean Technology, Madrid, Spain, 26-29 September 2004.
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c46	D. Fatta, I. A. Alaton, C. Gokcay, I. Skoula, A. Papadopoulos, A. Mentzis, M. Loizidou, "The status of urban wastewater treatment and the challenge of wastewater reuse in the Mediterranean Basin", EWRA Symposium - Water Resources Management: Risks and Challenges for the 21 <sup>st</sup> Century, Izmir, Turkey, 2-4 September 2004.
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c43	D. Hidalgo Barrio, R. Irusta, D. Fatta, A. Papadopoulos, A. Mentzis, M. Loizidou "Effective practices on treated wastewater reuse - disinfection systems", International Workshop on the Implementation and Operation of Municipal Wastewater Reuse Plants, Thessalonica, Greece, 11-12 March 2004.
c42	A. G. Vlyssides, C. Israilides, M. Loizidou, D. Fatta, P. K. Karlis, D. Arapoglou, A. Papadopoulos, "Quantification of water balance parameters and characterization of leachates for two municipal landfill sites in Athens, Greece", 9 <sup>th</sup> International Waste Management and Landfill Symposium, Sardinia, Italy, 6-10 October 2003.
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c40	D. Fatta, A. Papadopoulos, A. Mentzis, E. Sgourou, F. Kourmoussis, K. Moustakas, M. Loizidou, "Development of a strategic action plan for the management of solid waste in Cyprus: a Step towards Sustainable Development", 9 <sup>th</sup> International Waste Management and Landfill Symposium, Sardinia, Italy, 6-10 October 2003.
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c38	K. Moustakas, A. Papadopoulos, D. Fatta, F. Kourmoussis, A. Mentzis, A.I. Haralambous, M. Loizidou, "Design and construction of a demonstration plasma gasification/vitrification unit for waste treatment", 8 <sup>th</sup> International Conference on Environmental Science and Technology, Lemnos Island, Greece, 8-10 September 2003.
c37	K. Karatzas, K. Fedra, N. Moussiopoulos, A. Lascaratos, L. Perivoliotis, M. Loizidou, D. Fatta, "Environmental management of a coastal urban area: The Ecosim project", 8 <sup>th</sup> Conference on Environmental Science and Technology, Lemnos Island, Greece, 8-10 September 2003.
c36	D. Fatta, B. Kapustova, A. Papadopoulos, V. Inglezakis, K. Moustakas, M. Loizidou, V. Benko, "Institution building and implementation of the integrated pollution prevention and control Directive in the Slovak Republic", Waste Management of Central European Countries- Preparing for Accession to the EU, 3 <sup>rd</sup> International Conference, Ostrava, Czech Republic, 21-23 May 2003.
c35	D. Fatta, A. Vlyssides, M. Loizidou, P. Karlis, A. Papadopoulos, "Comparative results on leachate characterization and quantification of water balance parameters for two municipal landfill sites", 2 <sup>nd</sup> International Conference on Water Quality Management, New Delhi, India, 13-15 February 2003.
c34	M. Loizidou, A. Papadopoulos, D. Fatta, M. Zachariou-Dodou, K.J. Haralambous, E. Sgourou, A. Mentzis, K. Moustakas, F. Kourmoussis, "Development of a methodology for the control and monitoring of urban wastewater treatment", 12 <sup>th</sup> Seminar on the Protection of Environment, Chemistry and Management of Water Ecosystems, Thessalonica, Greece, 2-5 December 2002.
c33	K. Moustakas, A. Papadopoulos, D. Fatta, F. Kourmoussis, A. Mentzis, K. Haralambous, M. Loizidou, "Development of a demonstration plasma unit for the treatment of hazardous waste", 8 <sup>th</sup> FECS (Federation of the European Chemical Societies) Conference on Chemistry and the Environment: 'Chemistry for a Sustaining World 2002', Athens, Greece, 31 August - 4 September 2002.

c32	A. Papadopoulos, D. Fatta, F. Kourmoussis, A. Mentzis, A.J. Haralambous, M. Loizidou, "Development of a National Plan for the management of hazardous waste in Greece", ISWA World Environment Congress and Exhibition, Istanbul, Turkey, 8-12 July 2002.
c31	D. Fatta, A. Papadopoulos, E. Sgourou, A. Mentzis, M. Loizidou, "Development of guidelines for the implementation of best practices in slaughterhouses", International Conference: Protection and restoration of the environment VI, Skiathos Island, Greece, 1-5 July 2002.
c30	G. A. Papadakis, S. Loupasis, N. Linou, D. Fatta, A. Papadopoulos, J.S. Duffield, "Self-monitoring of the safety management system performance in small sized enterprises handling dangerous Substances", 6 <sup>th</sup> International Conference on Probabilistic Safety Assessment and Management, PSAM6, Puerto Rico, 23-28 June 2002.
c29	A. Papadopoulos, D. Fatta, A. Mentzis, F. Kourmoussis, G. Papadakis, M. Loizidou, "A strategy and technical specifications for the sustainable management of hazardous waste in Greece", 6 <sup>th</sup> International Conference on Probabilistic Safety Assessment and Management, Puerto Rico, PSAM6, 23-28 June 2002.
c28	D. Fatta, A. Papadopoulos, F. Kourmoussis, A. Mentzis, K. Moustakas, M. Loizidou, "An action plan for the management of hazardous waste in Greece" Second annual International Conference Waste Management 21, Ostrava, Czech Republic, 23-25 April 2002.
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c25	D. Fatta, Ch. Savvides, A. Papadopoulos, M. Loizidou, T. Kyprianidou-Leodidou, A. Economides, Th. Kyriakou, "An Environmental risk assessment tool - A database for dangerous substances and preparations", 11 <sup>th</sup> International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Cyprus, 6-10 October 2001.
c24	D. Fatta, A. Papadopoulos, Ch. Savvides, M. Loizidou, S. Georghiades, L. Nikolaidis, Ch. Malikkides, "Integrated control of industrial pollution and chemical substances in Cyprus", 11 <sup>th</sup> International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Cyprus, 6-10 October 2001.
c23	A. Papadopoulos, D. Fatta, F. Kourmoussis, A. Mentzis, M. Loizidou, "Development of an integrated plan for solid waste management in Cyprus", 11 <sup>th</sup> International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, Cyprus, 6-10 October 2001.
c22	A. Zorpas, A. Papadopoulos, D. Fatta, M. Loizidou "Improvement of the quality of compost that is produced by the co-composting of sludge and organic fraction of domestic waste, with the use of natural zeolite (clinoptilolite)", 8 <sup>th</sup> International Landfill and Solid Waste Symposium, Sardinia, Italy, 1-5 October 2001.
c21	A. Papadopoulos, D. Fatta, F. Kourmoussis, M. Loizidou, "Development of technical specifications for the transportation of hazardous waste", International Internet Conference, Microrisk 2001, Safety Management Systems in Industries Handling Dangerous Substances, 27 June - 11 July 2001, <a href="http://www.microrisko.tuc.gr">www.microrisko.tuc.gr</a>
c20	D. Fatta, A. Papadopoulos, Ch. Savvides, Th. Kiriakou, T. Leodidou, M. Loizidou, "Development of a software system for the management of chemical substances in Cyprus", International Internet Conference, Microrisk 2001, Safety Management Systems in Industries Handling Dangerous Substances, 27 June - 11 July 2001, <a href="http://www.microrisko.tuc.gr">www.microrisko.tuc.gr</a>

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c18	G. Papadakis, N. Linou, A. Mengolini, D. Fatta, A. Papadopoulos, "Guidance on safety management requirements for smaller sized dangerous chemical enterprises: the SMMARTEN project", Loss Prevention and Safety Promotion in the Process Industries, 10 <sup>th</sup> International Symposium, Stockholm-Sweden, 19-21 June 2001.
c17	M. Marneri, D. Fatta, A. Papadopoulos, M. Loizidou, "Implementation of the European IPPC Directive- BAT guidelines for the cement industry in Cyprus", International Conference 'Ecological protection of the planet earth I', Xanthi, Thrace, Greece, 5-8 June 2001.
c16	A. Papadopoulos, K. Parperis, D. Fatta, K. J. Haralambous, M. Loizidou "Characterization and reduction at source of wastewater produced in an aluminum industry", International Conference 'Ecological protection of the planet earth I', Xanthi, Thrace, Greece, 5-8 June 2001.
c15	M. Loizidou, D. Fatta, A. Papadopoulos, F. Kourmoussis, A. Mentzis, "Development of an integrated management plan for solid wastes in Cyprus", International Conference, International Co-operation, Balkans, Black Sea, S.E. Mediterranean, Caspian Sea, Athens, Greece, 27 January 2001.
c14	N. Linou, G.A. Papadakis, D. Fatta, "The promotion of risk management for small sized dangerous chemicals enterprises within the SMMARTEN project", Workshop on Natural and Technological Hazards Research in the European Union: Contribution to MEDIN, Brussels, Belgium, 15-17 November 2000.
c13	D. Fatta, C. Naoum, E. Banos, M. Loizidou, "Development of a management decision support tool for pollution monitoring", WATERMATEX2000, IWA, Gent, Belgium, 18-20 September 2000.
c12	D. Naoum, D. Fatta, K. J. Haralambous, M. Loizidou, "Effects of thermal acid treatment on the removal and chemical partitioning of heavy metals in sewage sludge", International Conference on "Disposal and Utilization of Sewage Sludge: Treatment Methods and Application Modalities", Athens, Greece, 13-15 October 1999.
c11	D. Dais, D. Fatta, A. Papadopoulos, M. Loizidou, "A Multicriteria decision support tool for the management of used tires", Sardinia 99, 7 <sup>th</sup> International Waste Management and Landfill Symposium, Cagliari, Italy, 4-8 October 1999.
c10	D. Fatta, C. Naoum, M. Loizidou, "Modelling analysis for the assessment of the leachate intrusion into an aquifer located in the surroundings of a landfill site in Greece", Mediterranean Scientific Association of Environmental Protection, Alicante, Spain, 2-6 October 1999.
c9	A. Papadopoulos, D. Fatta, A. Athanassiadis, M. Loizidou, "Water quality improvement using ionexchange process", 6 <sup>th</sup> International Conference on Environmental Science and Technology, Samos, 30 August - 2 September 1999.
c8	D. Fatta, A. Papadopoulos, M. Loizidou, "Hydrological evaluation of landfill performance after site reclamation", Denver, Colorado, 23-26 August 1998.
c7	D. Fatta, A. Papadopoulos, A.J. Haralambous, M. Loizidou, "Landfill leachate and underground water impact", International Conference on the Protection and Restoration of the Environment IV, Sani, Chalkidiki, Greece, 1-4 July 1998.
c6	D. Fatta, I. Vei, M. Loizidou, "Groundwater quality deterioration caused by landfill leachate intrusion", IAWQ, First International Specialized Conference on Water Quality and its Management, New Delhi-India, 25 February - 1 March 1998.

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c<sup>4</sup> A. Papadopoulos, D. Fatta, M. Loizidou, "Stabilized landfill leachate and its treatability", 5<sup>th</sup> International Conference on Environmental Science and Technology, Lesvos, Greece, September 1997.

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c<sup>3</sup> A. Charalambous, D. Fatta, A. J. Haralambous, M. Loizidou, "An evaluation of the pollution level in the greater area of the Keratsini Gulf", 3<sup>rd</sup> International Conference on Environmental Pollution, Thessalonica, Greece, 16-20 September 1996.

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c<sup>2</sup> D. Fatta, M. Loizidou, "The use of a GIS for the management of industrial wastes in small and medium scale regions in the Mediterranean Basin - Case Study: Cyprus", First International Conference on Geographic Information Systems in Urban Regional and Environmental Planning, Samos, Greece, 18-21 April 1996.

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c<sup>1</sup> D. Fatta, K.J. Haralambous, N. Spyrellis, M. Loizidou, "Environmental study on Greek coastal waters, nutrients, organic and heavy metal pollution", International Association of Water Quality, IAWQ, Marine Pollution of the Mediterranean Sea - Nicosia, Cyprus, November 1994.

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HC11 I. C. Iakovides, V. G. Beretsou, T. Mina, A. Christou, D. Fatta-Kassinou, "Method validation and investigation of the occurrence of eight pharmaceutical compounds in the wastewater-soil-plant continuum irrigated with treated wastewater under real-field conditions", 1<sup>st</sup> Online Conference of Young Scientists on Mineral Resources-Environment-Chemical Engineering, 26-28 February 2021.

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HC10 C. Drosou, N.P. Xekoukoulotakis, D. Fatta-Kassinou, "Synthesis of TiO<sub>2</sub>-reduced graphene oxide composites for the photocatalytic degradation of organic pollutants in the aqueous phase", 12<sup>th</sup> National Catalysis Symposium, Chania, Greece, 25-27 October 2012.

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HC9 D. Fatta, A. Papadopoulos, A. Mentzis, M. Loizidou, "Assessment of the existing situation regarding the urban wastewater treatment and reuse in Cyprus, Morocco, and Lebanon", 5<sup>th</sup> National Conference of EEDYP for the Integrated Management of Water Resources based on river basins, Xanthi, Greece, 6-9 April 2005.

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HC8 D. Fatta, A. Papadopoulos, F. Kourmoussis, A. Mentzis, E. Sgourou, K. Moustakas, M. Loizidou, "Development and use of indicators for information presentation concerning the waste generation and management in Europe", 4<sup>th</sup> Hellenic Scientific Conference of Chemical Engineering, Patras, Greece, 29-31 May 2003.

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HC7 A. Papadopoulos, D. Fatta, K. Parperis, A. Mentzis, K.J. Haralambous, M. Loizidou, "Removal of nickel from wastewater generated from metal finishing industry using natural clinoptilolite", 4<sup>th</sup> Hellenic Scientific Conference of Chemical Engineering, Patras, Greece, 29-31 May 2003.

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HC6 D. Fatta, A. Papadopoulos, A. Mentzis, F. Kourmoussis, K. Moustakas, M. Loizidou, "The management of the waste from electrical and electronic equipment in the European countries", 4<sup>th</sup> International Exhibition and Conference for Environmental Technology (HELECO), Athens, Greece, 30 January-2 February 2003.

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HC5 F. Kourmoussis, D. Fatta, A. Papadopoulos, A. Mentzis, K. Moustakas, E. Sgourou, M. Loizidou, "The management of hazardous waste in the European countries", 4<sup>th</sup> International Exhibition and Conference for Environmental Technology (HELECO), Athens, Greece, 30 January-2 February, 2003.

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HC4 M. Despotidou, A. Papadopoulos, D. Fatta, M. Loizidou, "Characterization and management of liquid industrial wastewater generated by metal plating units", 7<sup>th</sup> Conference of Chemistry Cyprus-Greece, "Chemistry and Water Resources", Athens, Greece, 8-11 November 2001.

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HC3	G. Papadakis, D. Fatta, A. Papadopoulos, K. Linou, M. Loizidou, "Development and application of a methodology for the assessment of safety reports of the industrial units dealing with dangerous substances", 3 <sup>rd</sup> Pan Hellenic Conference of Chemical engineering, Athens, Greece, 31 May-2 June 2001.
HC2	D. Fatta, A. Papadopoulos, F. Kourmoussis, M. Loizidou, "Development of a methodology for the assessment of groundwater pollution in landfills areas", 3 <sup>rd</sup> Pan Hellenic Conference of Chemical engineering, Athens, Greece, 31 May-2 June 2001.
HC1	A. Papadopoulos, k. Parperis, D. Fatta, K.J. Haralambous, M. Loizidou, "Treatment of the waste generated in aluminum plating unit", 3 <sup>rd</sup> Pan Hellenic Conference of Chemical engineering, Athens, Greece, 31 May-2 June 2001.

## 5. PUBLICATIONS - POSTERS IN INTERNATIONAL CONFERENCES

P62	V.G. Beretsou, K. Manoli, M.-C. Nika, E. Cytryn, N.S. Thomaidis, D. Fatta-Kassinou, "UV-based treatment processes for the degradation of antibiotics in water: Kinetics, transformation products and their antimicrobial activity evaluation", Water Disinfection, Byproducts and Health Gordon Research Conference: Options and Limitations of Disinfection and Oxidation Processes for Water Safety, Mount Holyoke College, South Hadley, MA, United States, 30 July-4 August 2023.
P61	I.C. Iakovides, P. Karaolia, V.G. Beretsou, T. Mina, A. Christou, C. Michael, D. Fatta-Kassinou, "Method validation and investigation of eight pharmaceutical compounds in the wastewater-soil-plant continuum irrigated with treated wastewater under real-field conditions", 8 <sup>th</sup> Distance Education e-learning International Summer School and Workshop on Wastewater & Biosolids Management 2023 (WWSS23), Patra, Greece, 24-29 July 2023, (online presentation). <i>This poster won the e-poster award competition organized by WWSS23.</i>
P60	P. Karaolia, A. Quattrocchi, I.C. Iakovides, P. Loutsiou, G. Nikolopoulos, D. Fatta-Kassinou, "Turning Wastewater Treatment Plants into Sentinels of Public Health: The case study of Larnaca", SETAC Europe 33 <sup>rd</sup> Annual Meeting, Dublin, Ireland, 30 April-4 May 2023, (oral presentation).
P59	I.C. Iakovides, K. Manoli, P. Karaolia, C. M. Manaia, D. Fatta-Kassinou, "Investigating the Impact of Ozonation On Antibiotic-Related Microcontaminants And Toxicity in Two Urban Wastewater Effluents", 5 <sup>th</sup> Iberoamerican Conference on Advanced Oxidation Technologies (CIPOA V), Cusco, Peru, 7-11 November 2022.
P58	V.G. Beretsou, K. Manoli, M.-C. Nika, E. Cytryn, N.S. Thomaidis, D. Fatta-Kassinou, "Identification of transformation products of antibiotics via suspect screening and evaluation of their antimicrobial activity for a deeper understanding of UV-based treatment processes", 5 <sup>th</sup> Iberoamerican Conference on Advanced Oxidation Technologies (CIPOA V), Cusco, Peru, 7-11 November 2022, (oral presentation).
P57	K. Manoli, A. Naziri, I. Ttofi, C. Michael, I.J. Allan, D. Fatta-Kassinou, "Disinfection of water by UV in the presence of polyethylene microplastics", 8 <sup>th</sup> European Bioremediation Conference (EBC-VIII), Chania, Greece, 12-17 June 2022, (oral presentation).
P56	M. Psychoudaki, T. Mina, M. Savvidou, C. Mina, C. Michael, D. Fatta-Kassinou, "UPLC-MS/MS analysis for the systematic monitoring of amphetamines use in Nicosia, Cyprus", American Chemical Society Spring 2022, San Diego, CA, USA, 20-24 March 2022.
P55	M. Psychoudaki, E. Hapeshi, P. Karaolia, M. Savvidou, C. Mina, C. Michael, D. Fatta-Kassinou, "Monitoring illicit stimulant drug use in Cyprus during COVID19 lockdown by UPLC-MS/MS", 17 <sup>th</sup> International Conference on Environmental Science and Technology (CEST2021), Athens, Greece, 1-4 September 2021, (hybrid conference).
P54	V. G. Beretsou, I. C. Iakovides, M.-C. Nika, G. Gkotsis, A. Christou, N. S. Thomaidis, D. Fatta-Kassinou, "Occurrence and potential accumulation of pharmaceuticals in agricultural soils treated with wastewater under real-world environmental conditions in Cyprus", 17 <sup>th</sup> International Conference on Environmental Science and Technology (CEST2021), Athens, Greece, 1-4 September 2021, (hybrid conference).
P53	V. G. Beretsou, M.-C. Nika, N. S. Thomaidis, D. Fatta-Kassinou, "Intraweek occurrence and fate of approximately 200 contaminants of emerging concern, including antibiotics, in wastewater

	samples from 5 wastewater treatment plants in Cyprus by LC-QTOF-MS/MS", SETAC Europe 30 <sup>th</sup> Annual Meeting, Open Science for Enhanced Global Environmental Protection, SETACSciCon, 3-7 May 2020, (online conference).
P52	P. Karaolia, E. Hapeshi, I. Michael-Kordatou, S. G. Michael, C. Michael, D. Fatta-Kassinou, "Solar photo-Fenton oxidation at a pilot scale: transformation products of three antibiotics in real wastewater." 6 <sup>th</sup> European Conference on Environmental Applications of Advanced Oxidation Processes, Portorož, Slovenia, 26-30 June 2019.
P51	S. G. Michael, I. Michael-Kordatou, B. Drigo, E. Donner, D. Fatta-Kassinou, "Removal of bacterial pathogens and antibiotic resistance genes from urban wastewater by solar photo-Fenton at pilot scale", 6 <sup>th</sup> European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP6), Portorož, Slovenia, 26-30 June 2019, (oral presentation). <i>2<sup>nd</sup> place in the Student Paper Contest organized as part of the Conference.</i>
P50	M. Stylianou, K. Kaikiti, A. Agapiou, P. Papanastasiou, D. Fatta-Kassinou, "Sorption of volatile organic compounds (VOCs) from cattle manure by biochar", 17 <sup>th</sup> International Conference on Chemistry and the Environment, Thessaloniki, Greece, 16-20 June 2019.
P49	N. Alygizakis, J. Urík, P. Oswald, V. G. Beretsou, D. Fatta-Kassinou, N. S. Thomaidis, J. Slobodnik, B. Vrana, "Application of passive sampling to evaluate the chemical pollution of treated wastewater intended for reuse", 17 <sup>th</sup> International Conference on Chemistry and the Environment, Thessaloniki, Greece, 16-20 June 2019.
P48	M. Stylianou, A. Christou, P. Polycarpou, C. Michael, A. Agapiou, P. Papanastasiou, D. Fatta-Kassinou, "Characterization of biochar produced in a small scale kiln for environmental applications", Challenges and Solutions related to Xenobiotics and Antimicrobial Resistance in the Framework of Urban Wastewater Reuse: Towards a Blue Circle Society (XENOWAC II), Limassol, Cyprus, 10-12 October 2018.
P47	M. Stylianou, A. Christou, C. Michael, A. Agapiou, P. Papanastasiou, D. Fatta-Kassinou, "Removal of antibiotic compounds from aqueous solutions with the use of biochar", Challenges and Solutions related to Xenobiotics and Antimicrobial Resistance in the Framework of Urban Wastewater Reuse: Towards a Blue Circle Society (XENOWAC II), Limassol, Cyprus, 10-12 October 2018.
P46	P. Karaolia, P. Kouis, L. Potamiti, K. Kyriacou, D. Fatta-Kassinou, "Photocatalytic processes: Are they effective solar-assisted tools for the inactivation of bacteria from wastewater?", World Water Congress & Exhibition 2018, International Water Association, Tokyo, Japan, 16-21 September 2018.
P45	P. Karaolia, J. Alexander, T. Schwartz, N. P. Xekoukoulotakis, D. Fatta-Kassinou, "Control of antibiotic resistance and DNA contamination in wastewater through biological and advanced oxidation processes", World Water Congress & Exhibition 2018, International Water Association, Tokyo, Japan, 16-21 September 2018.
P44	O. Mahjoub, L. Benyahya, S. Chiron, D. Fatta-Kassinou, E. Fries, S. Zandarayaa. "Assessing the state of knowledge about the emerging contaminants and the reuse of wastewater in Tunisia", The International Conference on Water, Environment, Energy and Society (ICWEES'2018), Djerba Island, Tunisia, 8-10 May 2018.
P43	P. Krayner, V. G. Beretsou, T. Mainetti, D. Fatta-Kassinou, A. Schoenborn, "Estrogenic substances in treated wastewater used for crop irrigation in Cyprus - Preliminary results using the planar-YES bioassay", 23 <sup>rd</sup> International Symposium for High-Performance Thin-Layer Chromatography (HPTLC 2017), Berlin, Germany, 4-8 July 2017.
P42	V. G. Beretsou, I. Michael-Kordatou, S. Michael, D. Fatta-Kassinou, "Assessing the potential of UV-C-driven oxidation to remove antibiotics and toxicity and its capacity to inactivate antibiotic-resistant bacteria in urban wastewater", 5 <sup>th</sup> European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5), Prague, Czech Republic, 25-29 June 2017.
P41	S. Michael, I. Michael-Kordatou, L. Ioannou-Ttofa, D. Fatta-Kassinou, "Can solar photo-Fenton combined with activated carbon adsorption remove antibiotics, antibiotic-resistant bacteria and toxicity from urban wastewater?", 5 <sup>th</sup> European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5), Prague, Czech Republic, 25-29 June 2017.

P40	P. Karaolia, I. Michael, J. Alexander, T. Shwarz, D. Fatta-Kassinou, "Biological Membrane Bioreactor and Solar photo-Fenton for the abatement of antibiotic-related microcontaminants", 1 <sup>st</sup> International Conference on Risk Assessment of Pharmaceuticals in the Environment, ICRAPHE2016, Paris, France, 8-9 September 2016.
P39	L.A. Ioannou, C. Michael, N. Vakondios, C. Drosou, E. Diamadopoulou, N.P. Xekoukoulotakis, D. Fatta-Kassinou, "Reverse Osmosis Followed By Solar Photo-Fenton Oxidation For The Integrated Treatment Of Winery Wastewater ", 4 <sup>th</sup> European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP4), Athens, Greece, 21-24 October 2015.
P38	C.M. Manaia, D. Fatta-Kassinou, L. Rizzo, T. Schwartz, E. Cytryn, C. Merlin, N. Kreuzinger, G. Macedo, C. Becerra-Castro, D. Cacace, V. Dulio, J. Slobodnik, T.U. Berendonk, "First surveillance data on selected antibiotic resistance determinants and mobile genetic elements from WWTP effluents throughout Europe", Federation of European Microbiological Societies, 6 <sup>th</sup> Congress of Microbiologists, FEMS 2015, Maastricht, Netherlands, 7-11 June 2015.
P37	P. Karaolia, I. Michael, I. García-Fernández, A. Agüera, S. Malato, P. Fernández-Ibáñez, D. Fatta-Kassinou, "Reduction of antibiotics & antibiotic resistant Enterococcus in urban wastewater intended for reuse by solar-driven Fenton oxidation", Session: Challenges in Wastewater Treatment and Reuse and the Agricultural Use of Manures and Biosolids, SETAC Europe 25 <sup>th</sup> Annual meeting, Barcelona, Catalonia, Spain, 3-7 May 2015.
P36	A. Christou, C. Antoniou, E. Hapeshi, C. Christodoulou, C. Michael, D. Fatta-Kassinou, V. Fotopoulos, "Uptake, translocation and detoxification mechanisms induced by four selected pharmaceutically active compounds in hydroponically cultured alfalfa ( <i>Medicago sativa</i> L.) plants", Session: Challenges in Wastewater Treatment and Reuse and the Agricultural Use of Manures and Biosolids, SETAC Europe 25 <sup>th</sup> Annual meeting, Barcelona, Catalonia, Spain, 3-7 May 2015.
P35	I. Michael, A. Panagi, L.A. Ioannou, Z. Frontistis, D. Fatta-Kassinou, "Utilizing solar energy for the purification of olive mill wastewater using a pilot-scale photocatalytic reactor after coagulation/ flocculation", International Conference for Olive Tree and Olive Products (OLIVEBIOTEC 2014), Amman, Jordan, 3-6 November 2014.
P34	P. Karaolia, I. Michael, C. Drosou, N. Xekoukoulotakis, D. Fatta-Kassinou, "Decontamination of pharmaceuticals from aqueous solutions by graphene oxide and reduced graphene oxide coupled with TiO <sub>2</sub> ", 8 <sup>th</sup> European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications (SPEA8), Thessaloniki, Greece, 25-28 June 2014.
P33	T. Velegraki, D. Fatta-Kassinou, I. Poulios, "Solar-induced Heterogeneous photocatalytic degradation of methyl-paraben", 8 <sup>th</sup> European Meeting on Solar Chemistry and Photocatalysis: Environmental Applications (SPEA 8), Thessaloniki, Greece, 25-28 June 2014.
P32	M. Tarapoulouzi, M. I. Vasquez, N. Lambrianides, K. Felekis, C. Sticht, M. Saile, N. Gretz, D. Fatta-Kassinou, "Assessing the cytotoxic, estrogenic and mutagenic effects of pharmaceutical residues and their photo-transformation products in water", NORMAN Association workshop on Novel tools and methods for the screening of chemicals for developmental neurotoxicity, Amsterdam, The Netherlands, 10-11 March 2014.
P31	P. Karaolia, I. Michael, I. García-Fernández, A. Agüera, S. Malato, P. Fernández-Ibáñez, D. Fatta-Kassinou, "Antibiotic resistance, enterococci and antibiotics reduction by pilot-scale solar-driven Fenton oxidation", 3 <sup>rd</sup> European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP3), Almeria, Spain, 28-30 October 2013.
P30	I. Michael, Z. Frontistis, R. Andreou, E. Hapeshi, C. Michael, D.D. Dionysiou, D. Fatta-Kassinou, "The effectiveness of sulfate radicals on the abatement of ethyl-paraben in aqueous media", 14 <sup>th</sup> EuCheMS International Conference on Chemistry and the Environment (ICCE), Barcelona, Spain, 25-28 June 2013.
P29	Z. Frontistis, I. Michael, M. Iacovou, E. Hapeshi, C. Michael, D. D. Dionysiou, D. Fatta-Kassinou, "UV light-activated persulfate for the removal of erythromycin and antibiotic resistance from secondary wastewater", 14 <sup>th</sup> EuCheMS International Conference on Chemistry and the Environment (ICCE), Barcelona, Spain, 25-28 June 2013.
P28	A. Lambrianides, P. Koutsoftas, E. Hapeshi, I. Michael, C. Michael, E. Kastanos, D. Fatta-Kassinou, "Development and application of moving bed biofilm process for the abatement of

	iodinated x-ray contrast media in urban wastewater", Norman Workshop on the Occurrence, Fate and Effects of Emerging Pollutants in the Environment- chemical analysis and toxicological assessment, VU University, Amsterdam, The Netherlands, 28-30 November 2012.
P27	A. Jelic, A. Achilleos, I. Michael, D. Lambropoulou, S. Perez, M. Petrovic, D. Fatta-Kassinou, D. Barcelo, "Photocatalytic and sonophotocatalytic degradation of carbamazepine. Identification of transformation products", 3 <sup>rd</sup> SCARCE International Conference, Bridging toxicants, stressors and risk-based management under water scarcity, Valencia, Spain, 26-27 November 2012.
P26	N. P. Xekoukoulotakis, C. Drosou, D. Fatta-Kassinou, "Synthesis of TiO <sub>2</sub> -reduced graphene oxide composites for the photocatalytic degradation of organic pollutants in the aqueous phase", European Conference/Workshop on the Synthesis, Characterization and Applications of Graphene, Mykonos, Greece, 27-30 September 2012.
P25	E. Hapeshi, I. Fotiou, D. Fatta-Kassinou, "Heterogeneous sonophotocatalytic treatment of ofloxacin in secondary treated effluents", 7 <sup>th</sup> European Meeting on Solar Chemistry and Photocatalysis - Environmental Applications, SPEA 7, Oporto, Portugal, 17-20 June 2012.
P24	L.A. Ioannou, T. Velegraki, C. Michael, D. Mantzavinou, D. Fatta-Kassinou, "Solar Fenton oxidation processes on the purification of biologically treated winery wastewater", 7 <sup>th</sup> European Meeting on Solar Chemistry and Photocatalysis - Environmental Applications, SPEA 7, Oporto, Portugal, 17-20 June 2012, (oral presentation).
P23	P. Papaphilippou, C. Yianapas, M. Politi, V.M. Daskalaki, N. Kalogerakis, D. Mantzavinou, D. Fatta-Kassinou, "Treatment of olive mill effluent by solar-Fenton and recovery of the high added value phenolic compounds by solvent extraction", 7 <sup>th</sup> European Meeting on Solar Chemistry and Photocatalysis - Environmental Applications, SPEA 7, Oporto, Portugal, 17-20 June 2012.
P22	D. Venieri, Z. Frontistis, D. Mantzavinou, D. Fatta-Kassinou, N.P. Xekoukoulotakis, "Experimental and modeling studies of the degradation of estrogens in aqueous TiO <sub>2</sub> suspensions under simulated solar radiation", 7 <sup>th</sup> European Meeting on Solar Chemistry and Photocatalysis - Environmental Applications, SPEA 7, Oporto, Portugal, 17-20 June 2012.
P21	M.I. Vasquez, M. Garcia-Käuffer, E. Hapeshi, K. Kümmerer, D. Fatta-Kassinou, "Investigating the genotoxicity effects of pharmaceutical photo-transformation products", SETAC Europe Annual Meeting, Berlin, Germany, 21-25 May 2012, (oral presentation).
P20	M.I. Vasquez, M. Garcia-Käuffer, E. Hapeshi, J. Menz, D. Fatta-Kassinou, K. Kümmerer, "Pharmaceuticals as dynamic active transformation products in the urban water cycle". Sampling and Analysis of Emerging Contaminants in the Aquatic Environment: Current and future challenges, Organized by NIVA and the Norman Network, Oslo, Norway, 1-3 March 2012, (oral presentation).
P19	P. Papaphilippou, M. Politi, V. Daskalaki, I. Michael, D. Mantzavinou, N. Kalogerakis, D. Fatta-Kassinou, "Treatment of olive mill effluent by direct coagulation-flocculation processes and recovery of the high added value phenolic compounds by solvent extraction". OLIVEBIOTEQ 2011, International- conference for the olive tree and olive products, Crete, Greece, 31 October-4 November 2011.
P18	I. Michael, E. Hapeshi, C. Michael, D. Fatta-Kassinou, "Removal of ofloxacin and trimethoprim from secondary treated domestic wastewaters-A study on the degradation kinetics by a developed UPLC-MS/MS method". EuCheMS International Conference on Chemistry and the Environment (ICCE), Zurich, Switzerland, 11-15 September 2011.
P17	Z. Frontistis, V. M. Daskalaki, N. P. Xekoukoulotakis, D. Fatta-Kassinou, D. Mantzavinou, "Removal of endocrine disrupting compounds from secondary treated wastewater by heterogeneous photocatalysis", IOA IUVA World Congress and Exhibition, Paris, France, 23-27 May 2011.
P16	N. P. Xekoukoulotakis, Z. Frontistis, D. Mantzavinou, E. Hapeshi, D. Fatta-Kassinou, "TiO <sub>2</sub> photocatalytic oxidation of estrogens followed by cross-flow microfiltration for the recovery and reuse of the photocatalyst". SP3- Third International Conference on Semiconductor Photochemistry, University of Strathclyde, Glasgow-Scotland, 12-16 April 2010.
P15	E. Hapeshi, I. Michael, L. Ioannou, D. Fatta-Kassinou, "UV-A and solar driven photocatalytic removal of ofloxacin, atenolol and propranolol from urban wastewater". SP3- Third International

	Conference on Semiconductor Photochemistry, University of Strathclyde, Glasgow-Scotland, 12-16 April 2010.
P14	L. Rizzo, S. Giuliani, S. Meric, V. Belgiorno, M. Guida, D. Kassinos, "Pharmaceuticals removal from urban WWTP effluent by TiO <sub>2</sub> photocatalysis: an ecotoxicological evaluation". Neptune and Innowatech End User Conference- Innovative and sustainable technologies for urban and industrial wastewater treatment, Ghent University, Belgium, 27 January 2010.
P13	E. Hapeshi, I. Michael, L. A. Ioannou, A. Achilleos, N. Xekoukoulotakis, D. Mantzavinos, D. Fatta-Kassinos, "Photocatalytic removal of ofloxacin, atenolol, propranolol and diclofenac in urban wastewater with TiO <sub>2</sub> and solar radiation". Neptune and Innowatech End User Conference- Innovative and sustainable technologies for urban and industrial wastewater treatment, Ghent University, Belgium, 27 January 2010.
P12	E. Hapeshi, I. Michael, C. Michael, N.P. Xekoukoulotakis, D. Mantzavinos, D. Fatta-Kassinos, "UV-A and solar driven catalytic removal of ofloxacin present in sewage intended for reuse", INNOVA-MED CONFERENCE: Innovative processes and practices for wastewater treatment and reuse in the Mediterranean region, Girona, Spain, 8-9 October 2009.
P11	Z. Frontistis, N. P. Xekoukoulotakis, E. Hapeshi, D. Fatta-Kassinos, D. Mantzavinos, "Photocatalytic oxidation of 17 $\alpha$ -ethinylestradiol under simulated solar light in aqueous TiO <sub>2</sub> suspensions", INNOVA-MED CONFERENCE: Innovative processes and practices for wastewater treatment and reuse in the Mediterranean region, Girona, Spain, 8-9 October 2009.
P10	L. A. Ioannou, A. Papaioannou, E. Hapeshi, N. Xekoukoulotakis, D. Mantzavinos, D. Kassinos, "Photocatalytic degradation of amoxicillin, sulfamethoxazole, atenolol and propranolol in pure water and urban wastewaters with TiO <sub>2</sub> and solar irradiation", EAAOP2, 2 <sup>nd</sup> European Conference on Environmental Applications of Advanced Oxidation Processes, Nicosia, Cyprus, 9-11 September 2009.
P9	N. Xekoukoulotakis, N. Xinidis, D. Mantzavinos, E. Hapeshi, D. Kassinos, "Photocatalytic degradation of the antibiotic erythromycin in aqueous TiO <sub>2</sub> suspensions under UV-A irradiation", EAAOP2, 2 <sup>nd</sup> European Conference on Environmental Applications of Advanced Oxidation Processes, Nicosia, Cyprus, 9-11 September 2009.
P8	E. Hapeshi, A. Achilleos, N. Xekoukoulotakis, D. Mantzavinos, D. Kassinos, "Sonolytic, photocatalytic and sonophotocatalytic processes for the degradation of ofloxacin, atenolol and propranolol in pure water and urban wastewater", EAAOP2, 2 <sup>nd</sup> European Conference on Environmental Applications of Advanced Oxidation Processes, Nicosia, Cyprus, 9-11 September 2009.
P7	E. Hapeshi, A. Achilleos, A. Papaioannou, L. Valanidou, N.P. Xekoukoulotakis, D. Mantzavinos, D. Kassinos, "Sonolytic degradation of diclofenac and ofloxacin in aqueous solutions", Xenowac 2009, International Conference on Xenobiotics in the Urban water cycle, Paphos, Cyprus, 11-13 March 2009.
P6	D. Kassinos, E. Hapeshi, M. Guillamón, M. Petrovic, D. Barceló, "Real-life performance of activated sludge treatment with respect to pharmaceuticals removal in three sewage treatment plants in Cyprus", Xenowac 2009, International Conference on Xenobiotics in the Urban water cycle, Paphos, Cyprus, 11-13 March 2009.
P5	A. Achilleos, Ch. Mavronikola, C. Michael, M. Averkiou, D. Fatta, "Determination of selected pharmaceuticals in wastewater effluents in Cyprus and application of advanced oxidation processes for their degradation", MICROPOL and ECOHAZARD 2007, 5 <sup>th</sup> IWA Specialized Conference on Assessment and Control of Micropollutants/Hazardous Substances in Water, Frankfurt/Main, Germany, 17-20 June 2007.
P4	M. Constantinou, A. Papadopoulos, D. Fatta, "Homogeneous catalytic oxidation for the degradation of chlorophenoxy herbicides in aqueous media", MICROPOL and ECOHAZARD 2007, 5 <sup>th</sup> IWA Specialized Conference on Assessment and Control of Micropollutants/Hazardous Substances in Water, Frankfurt/Main, Germany, 17-20 June 2007.

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- P3 D. Fatta, N. Kythreotou, "Wastewater as valuable water resource- concerns, constraints and requirements related to reclamation, recycling and reuse", IWA International Conference on Water Economics, Statistics and Finance, Rethymno, Crete, Greece, 8-10 July 2005.
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- P2 D. Fatta, A. Papadopoulos, A. Mentzis, M. Loizidou, R. Irusta, A. Sandovar, D. Hidalgo Barrio, "The urgent need for sustainable urban wastewater treatment and reuse in the agricultural production in the Mediterranean countries- The MEDAWARE Project", IWA, World Water Congress and Exhibition, Marrakech, Morocco, 19-24 September 2004.
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- P1 A. Mentzis, D. Fatta, A. Papadopoulos, I. Skoula, K.J. Haralambous, M. Loizidou, "Development of a tool for the projection of sewage sludge generation and the determination of potential emissions into the environment during the waste management stage", IWA, World Water Congress and Exhibition, Marrakech, Morocco, 19-24 September 2004.
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## 6. PUBLICATIONS - TECHNICAL REPORT SERIES – ENCYCLOPEDIAS – BOOK CHAPTERS – EDITED BOOKS – NEWSLETTERS

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- T38 D. Fatta-Kassinou, Section Editor in the Encyclopaedia of the UN Sustainable Development Goals "Clean Water and Sanitation", edited by W.L. Filho, A.M. Azul, L. Brandli, A.L. Salvia, T. Wall. Springer Nature, ISBN: 978-3-319-95845-3, 2022.
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- T37 Decennial Activity Report 2011-2021 of Nireas-International Water Research Center, University of Cyprus, ISBN: 978-9925-553-34-1, March 2021.
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- T36 O. Mahjoub, L. Benyahya, *D. Fatta-Kassinou*, S. Chiron, E. Fries, S. Zandaryaa, 2021. "Contaminants of emerging concern in (waste)water: Evaluating the knowledge status among decision-makers and stakeholders in Tunisia", in M. Ksibi, A. Ghorbal, S. Chakraborty, H. I. Chaminé, M. Barbieri, G. Guerriero, O. Hentati, A. Negm, A. Lehmann, J. Römbke, A. Costa Duarte, E. Xoplaki, N. Khélifi, G. Colinet, J. Miguel Dias, I. Gargouri, E. D. Van Hullebusch, B. Sánchez Cabrero, S. Ferlisi, C. Tizaoui, A. Kallel, S. Rtimi, S. Panda, P. Michaud, J. Narayana Sahu, M. Seffen, V. Naddeo (Eds), "Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions (2<sup>nd</sup> Edition)", Environmental Science and Engineering Series, Springer, Cham, ISBN: 978-3-030-51209-5 (print), ISBN: 978-3-030-51210-1 (electronic).
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- T35 L. Ioannou-Ttofa, *D. Fatta-Kassinou*, 2019. "Cytostatic drug residues in wastewater treatment plants: Sources, removal efficiencies and current challenges". Book chapter in E. Heath, M. Filipič, T. Kosjek and M. Isidori (Eds), "Fate and effects of cytostatic pharmaceuticals in the environment", Springer, ISBN: 978-3-030-21047-2 (print), ISBN: 978-3-030-21048-9 (electronic).
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- T34 *D. Fatta-Kassinou*, A. Nikolaou, L. Ioannou-Ttofa, 2019. "Advances in analytical methods for the determination of pharmaceutical residues in waters and wastewaters". Chapter in Nriagu J.O. (Ed.), "Encyclopedia of Environmental Health (2<sup>nd</sup> Edition)", Elsevier, Volume 1, Pages 1-12, ISBN: 978-044-463-9516.
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- T33 P. Fernández-Ibáñez, K. G. McGuigan, *D. Fatta-Kassinou*, "Can solar water-treatment really help in the fight against water shortages?", Europhysics News, Volume 48, Number 3, Pages 26-30, June 2017.
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- T32 *D. Fatta-Kassinou*, J. M. Bayona, Th. Berendonk, E. Cytryn, L. Hornstra, N. Kreuzinger, C. M. Manaia, L. Rizzo, S. C. Silva, J. Slobodnik, "ANSWER - Antibiotics and mobile resistance elements in wastewater reuse applications: risks and innovative solutions", NORMAN Network Bulletin, Issue 5, September 2016.
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- T31 C. M. Manaia, C. Elpers, *D. Fatta-Kassinou*, F. Walsh, H. Sorum, I. Henriques, J. L. Martinez, M. Virta, S. Rodriguez-Mozaz, Th. Berendonk, T. Schwartz, "StARE - Stopping Antibiotic Resistance Evolution: a water JPI project", NORMAN Network Bulletin, Issue 5, September 2016.
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- T30 Co-author in R. Nurdillayeva & H. Jones (Eds), "Integrated water cycle management. A multilingual glossary English-Russian-Kazakh", Qazag University, Almaty, 2016, ISBN: 978-601-04-1679-6.
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T29	P. Karaolia, S. Michael, <i>D. Fatta-Kassinou</i> , 2017. "The effect of advanced treatment technologies on the removal of antibiotic resistance". Book chapter in P. Keen and R. Fugère (Eds), "Antimicrobial Resistance in the Wastewater Treatment Process", John Wiley and Sons, Inc., ISBN: 9781119192435 (print), ISBN: 9781119192428 (electronic).
T28	P. Fernández-Ibáñez, J. A. Byrne, M. I. Polo-López, P. S. M. Dunlop, P. Karaolia, <i>D. Fatta-Kassinou</i> , 2016. "Solar photocatalytic disinfection of water". Book chapter in J. Schneider, D. Bahnemann, J. Ye, G. Li Puma and D. Dionysiou (Eds), "Photocatalysis: Fundamentals and Perspectives", Royal Society of Chemistry in the RSC Energy & Environment Series, ISBN: 978-1-78262-714-2.
T27	J. Alexander, P. Karaolia, <i>D. Fatta-Kassinou</i> , T. Schwartz, 2016. "Impacts of Advanced Oxidation Processes on microbiomes during wastewater treatment". Book chapter in K. Kümmerer, D. D. Dionysiou and Despo Fatta-Kassinou (Eds), "Wastewater Reuse and Current Challenges", The Handbook of Environmental Chemistry Series, 45, Springer, ISSN: 1867-979X (print), ISSN: 1616-864X (electronic).
T26	K. Kümmerer, D. Dionysiou, <i>D. Fatta-Kassinou</i> , 2016. "Scope of the Book Wastewater Reuse and Current Challenges", in K. Kümmerer, D. D. Dionysiou and Despo Fatta-Kassinou (Eds), "Wastewater Reuse and Current Challenges", The Handbook of Environmental Chemistry Series, 44, Springer, ISSN: 1867-979X (print), ISSN: 1616-864X (electronic).
T25	K. Kümmerer, D. Dionysiou, <i>D. Fatta-Kassinou</i> , 2016. "Long-Term Strategies for Tackling Micropollutants", in K. Kümmerer, D. D. Dionysiou and Despo Fatta-Kassinou (Eds), "Advanced Treatment Technologies for Urban Wastewater Reuse", The Handbook of Environmental Chemistry Series, 45, Springer, ISSN: 1867-979X (print), ISSN: 1616-864X (electronic).
T24	K. Kümmerer, D. Dionysiou, <i>D. Fatta-Kassinou</i> (Eds), 2016: "Wastewater Reuse and Current Challenges", The Handbook of Environmental Chemistry Series, 44, Springer, ISSN: 1867-979X (print), ISSN: 1616-864X (electronic). <i>This book was identified as one of the top 50% most downloaded eBooks on SpringerLink in the relevant eBook Collection in 2017 and 2018.</i>
T23	K. Kümmerer, D. Dionysiou, <i>D. Fatta-Kassinou</i> (Eds), 2016: "Advanced Treatment Technologies for Urban Wastewater Reuse", The Handbook of Environmental Chemistry Series, 45, Springer, ISSN: 1867-979X (print), ISSN: 1616-864X (electronic). <i>This book was identified as one of the top 25% most downloaded eBooks on SpringerLink in the relevant eBook Collection in 2017 and 2018.</i>
T22	M.I. Vasquez, I. Michael, K. Kümmerer, <i>D. Fatta-Kassinou</i> , 2015. "Bioassays currently available for evaluating the biological potency of pharmaceutical in treated wastewater". Book chapter in K. Kümmerer, D. D. Dionysiou and Despo Fatta-Kassinou (Eds), "Wastewater Reuse and Current Challenges", The Handbook of Environmental Chemistry Series, 44, Springer, ISSN: 1867-979X (print), ISSN: 1616-864X (electronic).
T21	<i>D. Fatta-Kassinou</i> , C. Manaia, Th. Berendonk, T. Schwartz, N. Kreuzinger, C. Merlin, E. Cytryn, "NORMAN WG5: Wastewater reuse and contaminants of emerging concern, Network of references laboratories, research centers and related organizations for monitoring of emerging environmental substances", NORMAN Network Bulletin, Issue 4, March 2015.
T20	S. Christodoulou, C. Michael, K. Kostarelos, S. Kassinou, D. Dionysiou, <i>D. Fatta-Kassinou</i> , 2014. "Nireas, International Water Research Center (Nireas-IWRC) of the University of Cyprus", in D. Barceló (Ed.) "Mediterranean water resources", Contributions to Science, 10, 2, ISSN: 1575-6343 (Print), ISSN: 2013-410X (electronic).
T19	I. Michael, E. Hapeshi, M. I. Vasquez, T. Toumazis, <i>D. Fatta-Kassinou</i> , 2014. "Urban wastewater treatment processes" in Meyer B. C. & L. Lundy (Eds), "Integrated Water Cycle Management in Kazakhstan", Al-Farabi Kazakh National University, Publishing House, Almaty, 113-118, ISBN: 978-601-04-0900-2.

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- T18 M. I. Vasquez, I. Michael, E. Hapeshi, T. Toumazis, *D. Fatta-Kassinou*, 2014. "Drinking water purification technologies and monitoring of water quality" in Meyer B. C. & L. Lundy (Eds), "Integrated Water Cycle Management in Kazakhstan", Al-Farabi Kazakh National University, Publishing House, Almaty, 118-123, ISBN: 978-601-04-0900-2.
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- T17 E. Hapeshi, I. Michael, M. I. Vasquez T. Toumazis, *D. Fatta-Kassinou*, 2014. "Sources and occurrence of pharmaceutical residues in the aquatic environment" in Meyer B. C. & L. Lundy (Eds), "Integrated Water Cycle Management in Kazakhstan", Al-Farabi Kazakh National University, Publishing House, Almaty, 124-128, ISBN: 978-601-04-0900-2.
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- T16 I. Michael, E. Hapeshi, M. I. Vasquez, T. Toumazis, *D. Fatta-Kassinou*, 2014. "Removal of pharmaceuticals from aqueous matrices by biological and advanced chemical oxidation processes" in Meyer B. C. & L. Lundy (Eds), "Integrated Water Cycle Management in Kazakhstan", Al-Farabi Kazakh National University, Publishing House, Almaty, 129-133, ISBN: 978-601-04-0900-2.
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- T15 I. Michael, E. Hapeshi, M. I. Vasquez, T. Toumazis, *D. Fatta-Kassinou*, 2014. "Potential implications related with wastewater reuse in agriculture" in Meyer B. C. & L. Lundy (Eds), "Integrated Water Cycle Management in Kazakhstan", Al-Farabi Kazakh National University, Publishing House, Almaty, 133-136, ISBN: 978-601-04-0900-2.
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- T14 I. Michael, M. I. Vasquez, E. Hapeshi, T. Haddad, E. Baginska, K. Kümmerer, *D. Fatta-Kassinou*, 2014. "Metabolites and transformation products of pharmaceuticals in the aquatic environment as contaminants of emerging concern". Book chapter in D. Lambropoulou and L.M.L. Nollet (Eds), "Transformation Products of Emerging Contaminants in the Environment: Analysis, Processes, Occurrence, Effects and Risks", John Wiley & Sons Inc., 425-470, ISBN: 978-1-118-33959-6.
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- T13 I. Michael, Z. Frontistis, *D. Fatta-Kassinou*, 2013. "Removal of pharmaceuticals in environmentally relevant matrices by advanced oxidation processes". Book chapter in D. Barcelo, S. Perez and M. Petrović (Eds), "Analysis, Removal, Effects and Risk of Pharmaceuticals in the Water Cycle: Occurrence and Transformation in the Environment", Wilson & Wilson's, Elsevier Comprehensive Analytical Chemistry 62, 345-407, ISBN: 978-0-444-62657-8.
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- T12 *D. Fatta-Kassinou*, I. K. Kalavrouziotis, "Current concerns related to wastewater reuse and xenobiotics, Network of reference laboratories for monitoring of emerging substances", NORMAN Network Bulletin, Issue 2, April 2011.
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- T11 *D. Fatta-Kassinou*, S. Meric, A. Nikolaou, 2011. "Advances in analytical methods for the determination of pharmaceutical residues in waters and wastewaters". Chapter in Nriagu J.O. (Ed.), "Encyclopedia of Environmental Health, 1<sup>st</sup> Edition", 1, 9-16, Burlington: Elsevier, ISBN: 978-0-444-52273-3.
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- T10 *D. Fatta-Kassinou*, K. Bester, K. Kümmerer (Eds), 2010: "Xenobiotics in the Urban Water Cycle: Mass flows, Environmental processes, Mitigation and Treatment strategies", Book Environmental Series, Springer, ISBN: 978-90-481-3508-0.  
*This book is one of the very first and most popular books in the field.*
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- T9 *D. Fatta-Kassinou*, E. Hapeshi, S. Malato, D. Mantzavinos, L. Rizzo, N. P. Xekoukoulotakis, 2010. "Removal of xenobiotic compounds from water and wastewater by advanced oxidation processes". Book chapter in *D. Fatta-Kassinou*, K. Bester, K. Kümmerer (Eds) 'Xenobiotics in the Urban Water Cycle', Book Environmental Series, Springer, ISBN:978-90-481-3508-0.
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- T8 A. Nikolaou, *D. Fatta-Kassinou*, M. Kostopoulou-Karadanelli, S. Meric, 2009. "Behavior of pharmaceuticals and their degradation products during wastewater treatment". Book chapter in Sewage treatment: Uses, Processes and Impact (A. Stephens and M. Fuller, Editors), Nova Publishers Book Series, ISBN: 978-1-60692-959-9.
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- T7 S. Meric, *D. Fatta-Kassinou*, 2009. "Water treatment, Municipal", in Encyclopedia of Microbiology. (Modelio Schaechter, Editor), Oxford: Elsevier, 587-599, ISBN: 978-0-12-373944-5.
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- <sup>T6</sup> S. Meric, *D. Fatta*, 2007. "Wastewater Reuse, Risk Assessment, Decision Making - A Three-Ended Narrative Subject", In M.K. Zaidi (Ed) "Wastewater reuse - Risk Assessment, Decision Making and Environmental Security", Springer, NATO Science for Peace and Security Series, 193-204, ISBN: 978-1-4020-6026-7.
- <sup>T5</sup> I. Skoula, *D. Fatta*, A. Villanueva, 2004. "Handling, utilisation and disposal of sewage sludge in Europe", Working document, European Environment Agency, Copenhagen, Denmark.
- <sup>T4</sup> "Europe's environment: the third assessment", Environmental Assessment Series, No 10, European Environment Agency - Contribution to Chapter 7: Waste generation and management, ISBN: 92-9167-574-1, Copenhagen, 2003.
- <sup>T3</sup> *D. Fatta*, S. Moll, 2003. "Assessment of Information related to waste and material flows - A catalogue of methods and tools", Technical report 96, European Environment Agency, Copenhagen, Denmark, ISBN: 92-9167-577-6.
- <sup>T2</sup> G. Papadakis, M. Loizidou, *D. Fatta*, A. Papadopoulos, 1999. "Methodology for the assessment of a safety report as required by the Council Directive 96/82/EC - Part I: Hazard analysis and prevention measures", EC Luxembourg, Report EUR 18121GR.
- <sup>T1</sup> G. Papadakis, A. Amendola, M. Loizidou, *D. Fatta*, A. Papadopoulos, G. Mouzakis, I. Patiris, 1998. "Guidance on the preparation of a safety report to meet the requirements of Council Directive 96/82/EC (Seveso II)", EC Luxembourg, Report EUR 17690 GR, ISBN: 92-828-2143-9.

## 7. PUBLICATIONS: BOOK REVIEWS

*D. Fatta-Kassinou*, Review of the Book: "Pharmaceuticals in the environment: sources, fate, effects and risks" by K. Kümmerer, *Environmental Science and Pollution Research* 17, 2010, 519-521.

## 8. RESEARCH ACTIVITY - GRANTS AND CONTRACTS AWARDED

Since 2003: 14,103,189.61 € as project coordinator/principal investigator - 7,541,726.07 € for GAIA Lab and UCY.

- <sup>G53</sup> EU Wastewater Integrated Surveillance for Public Health (EU-WISH) (U4H-2023-JA-IBA), October 2023-September 2026, (Partner, UCY Principal Investigator), (14,871,734.00 €, for GAIA Lab: 208,260.52 €, Joint Action, Funded by EU4H Project Grants of European Commission).
- <sup>G52</sup> Land management, Environment and Solid-waste: inside education and business in Central Asia (LESLIE) (ERASMUS-EDU-2023-CBHE), August 2023-July 2026, (Partner, UCY Principal Investigator), (399,835 €, for GAIA Lab: 54,079 €, Funded by Erasmus+ Programme of the European Union).
- <sup>G51</sup> Risk Management plan for Cyprus for urban wastewater reuse (IMPACT), August 2023-May 2025, (Project Coordinator), (117,000 €, Funded by the Water Development Department of the Ministry of Agriculture, Rural Development and Environment, Cyprus).
- <sup>G50</sup> One year systematic monitoring of alcohol and tobacco products consumption in Nicosia and Agia Napa through the measurement of their biomarkers in influent wastewater (ALTO), May 2023-May 2024, (Project Coordinator), (21,000 €, Funded by National Addictions Authority of Cyprus).
- <sup>G49</sup> Method development and monitoring of illicit drugs in the influents of the six wastewater treatment plants of Cyprus (DETECTION), March 2023-March 2024, (Project coordinator), (49,940 €, Funded by National Addictions Authority of Cyprus).
- <sup>G48</sup> Surveillance of SARS-CoV-2 in aircraft and airport wastewater (AIRPORTS), February 2023-April 2023 (Project Coordinator), (28,000 € Funded by the Medical and Public Health Services of the Ministry of Health, Cyprus).
- <sup>G47</sup> Innovative tools to control organic matter and disinfection byproducts in drinking water (intoDBP), (HORIZON-CL6-2022-ZEROPOLLUTION-01), December 2022-November 2026, (Partner, UCY Principal Investigator), (3,994,707 €, for UCY: 569,821 €, Funded by European Research Executive Agency).
- <sup>G46</sup> Bringing Higher Education Institutes Towards Sustainability (BRIGHTS) (2021-1-IT02-KA220-HED-000030264), November 2022-November 2024, (Partner), (320,231 €, for UCY: 65,140 €, for GAIA Lab: 8,600 €) Funded by Erasmus + Programme of the European Union).

g45	Wastewater-Based Public Health Sentinel (Sentinel), October 2022-October 2025, (Project Coordinator), (250,000 €, Funded by Larnaca Sewerage and Drainage Board (LSDB)).
g44	Method development and monitoring of illicit drugs in the influents of the six wastewater treatment plants of Cyprus (DETECTION), March 2022-March 2023, (Project coordinator), (49,940 €, Funded by National Addictions Authority of Cyprus).
g43	Weekly determination of SARS-CoV-2 genetic fragments in the urban wastewater of the major wastewater treatment plants of Cyprus (PULSE), September 2021-September 2022, (Project coordinator), (250,000 €, for GAIA Lab: 160,000 €, Funded by the Water Development Department, the Ministry of Health and the European Commission).
g42	Isochronous stability study of SARs-CoV-2 genes in WWTP influent samples, European Commission, September 2021-November 2021, (Partner, UCY Principal Investigator), (42,000 €, for GAIA Lab: 14,000 €, Funded by European Commission).
g41	Monitoring of SARS-CoV-2 in the influents of the wastewater treatment plant of Limassol, Cyprus (CORONA-SBLA), June-October 2021, (Project coordinator), (8,000 €, Funded by Sewerage Board of Limassol-Amathus (SBLA)).
g40	Method development and monitoring of illicit drugs in the influents of the six wastewater treatment plants of Cyprus (DETECTION), April 2021-March 2022, (Project coordinator), (49,940 €, Funded by National Addictions Authority of Cyprus).
g39	Monitoring of SARS-CoV-2 in the influents of the wastewater treatment plant of Larnaca, Cyprus (SARS-COV-2-LCA), March-October 2021, (Project coordinator), (13,133.68 €, Funded by Ministry of Health of Cyprus <i>via</i> the Sewerage Board of Larnaca (SBL)).
g38	Hospital wastewater treatment for the improvement of the efficiency of urban wastewater treatment plants and the potential of wastewater for reuse (T4H), Interreg V-A - Greece-Cyprus 2014-2020, 4 <sup>th</sup> Call for Proposals, 2021-2022, (Partner, UCY Principal Investigator) (999,000 €, for GAIA Lab: 220,750 €, Funded by European Regional Development Fund (ERDF)).
g37	Decision support-based approach for sustainable water reuse application in agricultural production (DSWAP), Partnership for Research and Innovation (PRIMA/1822), Management of Water 2018 Call, 2019-2022, (Partner, UCY Principal Investigator) (2,000,000 €, for GAIA Lab: 245,000 €, Funded by Horizon 2020).
g36	Micro- and nanoplastics as carriers for the spread of chemicals and antibiotic resistance in the aquatic environment (NANO-CARRIERS), Water JPI 2017 (IC4Water) (P2P/WATER/1017/0004), 2019-2022, (Partner, UCY Principal Investigator) (864,621 €, for GAIA Lab: 174,990 €, Funded by the Cyprus Research and Innovation Foundation).
g35	Photo-irradiation and Adsorption based Novel Innovations for Water-treatment (PANI WATER), Research and Innovation Actions (RIA), European Commission, (H2020-SC5-2018-1/820718), 2019-2023, (Partner, UCY Principal Investigator), (3,576,532.50 €, for GAIA Lab: 300,000 €, Funded by Horizon 2020).
g34	Sustainable Water treatment and Agricultural reuse options in Europe (SuWaNu Europe), Coordination and Support Action (CSA), European Commission, (H2020-RUR-2018-1/818088), 2019-2021, (Partner, UCY Principal Investigator), (1,999,926 €, for GAIA Lab: 69,383.75 €, Funded by Horizon 2020).
g33	Demonstration of dry fermentation and optimization of biogas technology for rural communities in the MENA region (BIOGASMENA), ERANETMED, (KOINA/ERANETMED/0316/01), 2017-2020, (Partner, UCY Principal Investigator), (1,349,062 €, for GAIA Lab: 99,973.20 €, Funded by the Cyprus Research and Innovation Foundation).
g32	Development of low-cost sorbents for environmental applications (BIOSORB), University of Cyprus "ΜΕΤΑΔΙΔΑΚΤΟΠΙΚΟΙ ΕΡΕΥΝΗΤΕΣ 2017 - 2018" Programme, 2017-2019, (Project coordinators: Dr. D. Fatta-Kassinou and Dr. Panos Papanastasiou), (29,700 €, Funded by the University of Cyprus).
g31	Implementation and Validation of Non-formal Training on Sustainability for Environmental Testing Laboratories workers (ECVET-Lab), Erasmus+, KA2 (2016-1-ES-KA202-024977), 2016-2018, (Partner, UCY Principal Investigator), (215,043 €, for GAIA Lab: 32,260 €, Funded by the Spanish National Agency).



G30	AcceLerate Innovation in urban wastewater management for Climate changeE (ALICE), Marie Sklodowska-Curie Action, RISE, European Commission, (H2020-MSCA-RISE-2016/734560), 2016-2020, (Partner, UCY Principal Investigator), (900,000 €, for GAIA Lab: 36,000 €, Funded by Horizon 2020).
G29	Antibiotics and mobile resistance elements in wastewater reuse applications: risks and innovative solutions (ANSWER), Marie Sklodowska-Curie Action, ETN, European Commission, (H2020-MSCA-ITN-2015/675530), 2015-2019, (Project coordinator), (3,708,689 €, for GAIA Lab: 753,925.44 €, Funded by Horizon 2020).
G28	Transfer and control of antibiotic resistant bacteria and their genes during wastewater treatment and reuse (IRGP 45), South Australian PRIF project, DFEEST/14/123963, 2015-2018, (Partner, UCY Principal Investigator), (190,000 €, Funded by the South Australian Government Premier's Research and Industry Fund).
G27	Contaminants of Emerging Concern in Oued Souhil area, Nabeul, Tunisia: occurrence in Irrigation water and implications (ECOSI), UNESCO Project on Emerging Pollutants in Wastewater Reuse in Developing Countries: Case studies on emerging pollutants in water and wastewater, Major Programme II, MLA6, 2015-2016, (Project coordinator), (3,685 €, for GAIA Lab: 1,660 €, Funded by the UNESCO Programme and Budget for 2014-2015).
G26	Stopping Antibiotic Resistance Evolution (StARE), Water JPI Pilot Call, (Water JPI/0001/2013), 2014-2017, (Partner, UCY Principal Investigator), (2,100,000 €, for GAIA Lab: 100,000 €, Funded by the Cyprus Research Promotion Foundation).
G25	New and emerging challenges and opportunities in wastewater reuse (NEREUS), COST Action ES1403, ESSEM Domain, Proposer and Chair of the Action, (OC-2013-2-16816), 2014-2018, (total budget: 591,028.46 €, Funded by Horizon 2020), ( <a href="http://www.cost.eu/domains_actions/essem/Actions/ES1403">http://www.cost.eu/domains_actions/essem/Actions/ES1403</a> ).
G24	NORMAN Association Working Group 5: Wastewater Reuse and Contaminants of Emerging Concern, Leader of the activity, ( <a href="http://www.norman-network.net/?q=node/106">http://www.norman-network.net/?q=node/106</a> ), funding approved in 2014 and renewed in 2015 and 2016; WG established in 2013, (10,000 € for 2014, 8,000 € for 2015, 5,000 € for 2016, total: 23,000 €, Funded by NORMAN Association).
G23	Closing gaps of knowledge with respect to advanced chemical oxidation processes for the removal of contaminants of emerging concern (GAPS), KOULTOURA/VENS/0412/24, Nikos Symeonides National Research Award, 2013-2015, (Project coordinator), (50,000 €, Funded by Cyprus Research Promotion Foundation).
G22	Integrating Water cycle management: building capability, capacity and impact in Education and Business (I-WEB), TEMPUS, EACEA N0 25/2011, European Commission, 2012-2015, (Partner, GAIA Lab Principal Investigator), (928,266 €, for GAIA Lab: 77,951 €, Funded by European Commission).
G21	Photocatalytic removal of organic micropollutants from the aqueous phase using TiO <sub>2</sub> coupled with graphene as a photocatalyst (PhotoGraph), AEIFORIA/FISI/0311/(BIE)/33, 2012-2014, (Project coordinator), (159,964 €, for GAIA Lab: 88,476 €, Funded by Cyprus Research Promotion Foundation).
G20	Mediterranean cooperation in the treatment and valorization of olive mill wastewater (MEDOLICO), I-B/2.1/090, ENPI CBCMED, European Union, 2011-2015, (Project coordinator), (1,964,499 €, for GAIA Lab: 294,008.97 €, Funded by European Union).
G19	Investigation of the potential adverse effects to the soil and the environment caused by wastewater reuse for irrigation and assessment of public health risks in Cyprus. Beneficiary: Agricultural Research Institute, Funded by Cyprus Government (UCY Principal Investigator), 2011-2016, (70,000 €, managed by ARI).
G18	Nireas, International Water Research Center, NEA IPODOMI/STRATH/0308/09, 2010-2015, (Project coordinator), (1,398,945 €, for GAIA Lab: 1,269,330 €, Funded by Cyprus Research Promotion Foundation).
G17	Development of novel methods for the toxicity assessment of multi-component chemical mixtures to humans and the ecosystem (TOMIXX), PENEK/0609/24, 2010-2012, (Project coordinator), (69,936 €, Funded by Cyprus Research Promotion Foundation).

G16	Sustainable management of agro-industrial wastes: Valorization and solar-Fenton post-treatment of olive mill effluents (SOLIVAL), AEIFORIA/FISI/0609(BE)/12, 2010-2012, (Project coordinator), (122,320 €, for GAIA Lab: 85,312 €, Funded by Cyprus Research Promotion Foundation).
G15	Advanced systems for the enhancement of the environmental performance of wineries in Cyprus, (WINEC) LIFE08 ENV/CY/000455, 2010-2013, (Project coordinator), (1,366,183 €, for GAIA Lab: 563,742 €, Funded by European Commission).
G14	Recycling environmental policy tool, Environmental policy support tool for recycling in islands (REPT) LIFE+ Environment, LIFE07 ENV/CY/000081, Environment Policy and Governance, 2009-2011, (Partner, UCY Principal Investigator) (878,272 €, for CEE: 196,911 €).
G13	Fate, effect and removal potential of xenobiotics present in aqueous matrices (IX-Aqua) UPGRADING/DURABLE/0308/07, 2009-2013, (Project Coordinator), (396,372 €, for CEE: 387,172 €, Funded by Cyprus Research Promotion Foundation).
G12	Development of a solar technology for the removal of effluent organic matter from wastewaters, (SolTec), AEIFO/0308/BIE/01, 2008-2010, (Project coordinator), (139,885 €, for CEE: 58,278.21 €, Funded by Cyprus Research Promotion Foundation).
G11	Degradation of estrogen compounds in waters and wastewaters (urban and hospital wastewaters) by heterogeneous photocatalytic chemical oxidation, (Estrogens), PROEM/0308/06, 2008-2009, (Project coordinator), (49,920 €, Funded by Cyprus Research Promotion Foundation).
G10	Development and application of innovative advanced oxidation processes for the removal of active organic compounds in urban wastewaters and monitoring of toxicity (PHAREM), Research Promotion Foundation of Cyprus, AEIFO/0506/16, 2007-2009, (Project coordinator), (219,713 €, for CEE: 133,548.99 €, Funded by Cyprus Research Promotion Foundation).
G9	Application of the integrated pollution prevention and control legislation (No. 56(I)/2003, 15(I)/2006) in pig farms, Environment Service, Ministry of Agriculture, Natural Resources and Environment, 2006, (Project coordinator), (10,000 €, Funded by the Ministry of Agriculture, Natural Resources and Environment).
G8	Development of methods and tools for the establishment of good environmental performance in the tourist accommodation sector - Implementation of pilot studies, GREEN-TAS-LIFE05/TCY/HKJ/000132, 2006-2008, (Partner, UCY Principal Investigator), (for CEE: 105,716 €).
G7	Development of research for decomposing toxic organic substances by advanced chemical oxidation methods (DIATOXH), Research Promotion Foundation of Cyprus, APOEM/0505/02, 2005-2007, (Project coordinator), (46,464 €, for CEE: 33,830.31 €, Funded by Cyprus Research Promotion Foundation).
G6	The implementation of 76/464/EEC and 80/68/EEC Directives related to the industrial emissions of dangerous substances in water bodies in Cyprus, Environment Service, Ministry of Agriculture, Natural Resources and Environment, 2005, (Project coordinator), (10,000 €, Funded by the Ministry of Agriculture, Natural Resources and Environment).
G5	Sustainable construction of private and public works, SUSCON-LIFE05/ENV/GR00023, 2005-2008, (Partner, UCY Principal Investigator), (for CEE: 89,030 €).
G4	Gas Chromatography-Mass Spectrometry, Start-up Fund, UCY, Internal funding, 2005, (Beneficiary), (89,960 €).
G3	Life cycle assessment as a decision support tool for the eco-production of olive oil, ECOIL, LIFE04 ENV/GR/000110, 2004-2006, (Partner, UCY Principal Investigator), (for CEE: 94,447 €, Funded by European Commission).
G2	Catalytic de-nitrification of industrial wastewater, KALYMA, TEXNO/0104/05, Research Promotion Foundation of Cyprus, 2004-2006, (Partner, CEE Principal Investigator), (for CEE: 12,320 €, Funded by Cyprus Research Promotion Foundation).



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- G1 Development of tools and guidelines for the promotion of sustainable urban wastewater treatment and reuse in the agricultural production in the Mediterranean countries, MEDAWARE-MED8/AIDCO/2001/0515/59341, 2003-2007, (Beneficiary-NTUA, Greece), Technical Coordinator of the project between May 2003 and February 2007.
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## 9. RESEARCH ACTIVITY - PARTICIPATION IN OTHER PROJECTS/NETWORKS

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- P14 Taste and Odor in early diagnosis of source and drinking Water Problems (WaterTOP), COST Action 18225, 2019-2022, Member of the Management Committee, (Coordinator and Chair: Triantafyllos Kaloudis), July 2019.
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- P13 Sustainable Reactor Engineering for Applications on the Water-Energy Nexus (REWATERGY), Marie Skłodowska-Curie Action, ITN-EID, European Commission, (H2020-MSCA-ITN-EID-2018/812574), 2019-2023, (Partner, Nireas-IWRC Principal Investigator).
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- P12 Removal of antibiotic-resistant bacteria and genes from urban wastewater effluents by solar- and UV-C-driven oxidation processes (RESISTANCE), Plataforma Solar de Almeria under SFERA Project "G. Agreement no: P1503040133" funded by the European Commission, September/October 2015, (SFERA Project coordinator: Dr. P. Fernández-Ibáñez / RESISTANCE Project Coordinator: Dr. D. Fatta-Kassinis).
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- P11 Disinfection of WWTP secondary effluents by solar photo-fenton process in raceway pond reactors. Effect on antibiotic resistance transfer (SOFENDIS), CTQ2016-78255-R, 2016-2019, funded by Spanish National Council, (Project coordinators: Dr. Jose Antonio Sánchez-Pérez and Dr. Ana Agüera).
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- P10 Sewage analysis CORE group-Europe (SCORE), COST Action ES1307, 2014-2018, (Coordinator and Chair: Dr. Kevin Thomas), [http://www.cost.eu/domains\\_actions/essem/Actions/ES1407](http://www.cost.eu/domains_actions/essem/Actions/ES1407).
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- P9 Antibiotic resistance removal and disinfection potential of urban wastewater by solar-Fenton at a pilot plant scale- (SOLAR<sup>2</sup>D), Plataforma Solar de Almeria under SFERA Project "G. Agreement no: 228296 FP7-INFRASTRUCTURES-2008-1" funded by the European Commission, September/October 2012, (SFERA Project coordinator: Dr. Sixto Malato / SOLAR<sup>2</sup>D Project Coordinator: Dr. D. Fatta-Kassinis).
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- P8 Sustainable Water Management in Greek Households: Greywater Treatment and Reuse, REGREW. General Secretariat for Research and Technology (GSRT) - Ministry of Education, Lifelong Learning and Religious Affairs - Hellenic Republic. Hellenic Host Organization: Aristotle University and International Host Organization: University of Cyprus. Post-doctoral funding for Dr Th. Velegraki. (Scientific Responsible: I. Poulios and D. Fatta-Kassinis).
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- P7 Treatment of Two Antibiotics at Pilot Plant Scale Project (SOL-TROF), Plataforma Solar de Almeria under SFERA Project "G. Agreement no: 228296 FP7-INFRASTRUCTURES-2008-1" funded by the European Commission, June 2010, (SFERA Project coordinator: Dr. Sixto Malato / SOL-TROF Project Coordinator: Dr. D. Fatta-Kassinis).
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- P6 Detecting evolutionary hot spots of antibiotic resistances in Europe (DARE), COST Action TD0803, 2009-2013, (**Vice Chair of the Action**, Member of the Steering Committee), (Coordinator and Chair: Prof. Thomas Berendonk), <https://www.cost.eu/actions/TD0803/#tabs|Name:overview>.
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- P5 Nitrogen in Europe, Assessment of current problems and future solutions, NinE, European Science Foundation, ESFCA/0603, 2006-2011, (Member of the Steering Committee), (Chair: Dr. Jan Willem Erisman).
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- P4 Xenobiotics in the urban water cycle, COST Action 636, 2005-2009 (Member of the Management Committee, Member of WGs2-4, 2: Methods of Treatment, 3: Impact Assessment, 4: Analytical Issues) (Coordinator and Chair: Prof. Anna Ledin).
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- P3 Transfer of knowledge for the creation of a multidisciplinary core of excellence in the computational sciences at University of Cyprus, UCY CompSci, Marie Curie Transfer Knowledge
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Centre (TOK-DEV), 2005-2009, (a. Recruitment Coordinator, b. Coordinator of Training Programme 3), (Principal Investigator: Prof. Stavros Kassinos).

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P2 Research Infrastructure for the Development of Nanosensors in Cyprus, EPYNE/0504/02 NANOKYPROS, Research Promotion Foundation of Cyprus, 2004, (Scientific Responsible), (Coordinator: Prof. Haris Doumanides).

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P1 Educational Programme: Improving the skills and competencies of engineering students through placements in Europe (ISCOME), Leonardo Da Vinci, 2003-2004, (CEE Principal Investigator together with Dr. I. Ioannou) (this was the 1<sup>st</sup> Leonardo Da Vinci project of UCY), (17,040 €).

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## **10. RESEARCH ACTIVITY - PARTICIPATION IN PAST NTUA RESEARCH PROJECTS**

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P33 "Implementation of the integrated prevention and pollution control Directive (IPPC) in Slovak Republic", European Commission, Twinning Project, 2003-2005.

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P32 "Development and implementation of an integrated system for the control and monitoring of the urban wastewater treatment plant in Cyprus", European Commission, LIFE-3<sup>rd</sup> Countries, Directorate - General Unit ENV.D.1-BU-9 02/1, 2002-2005.

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P31 "Development of methods and tools for the collection of information related to generation and management of i) basic metals waste and ii) inorganic fertilizers waste", Eurostat, Unit F-3 Environment, 2003-2004.

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P30 "Preparation of a feasibility study for the management of hazardous waste in Armed Forces of Greece", General Headquarters of Air Forces of Greece, 2002.

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P29 "Collection of Data related to the waste produced by (i) Constructions, demolitions and excavations and (ii) Mining, quarrying activities, grinding and milling for Greece", Eurostat, Unit F-3 Environment, 2001-2002.

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P28 "A strategic plan for the management for the management of solid wastes in Cyprus", Ministry of Agriculture, Natural resources and Environment of Cyprus, 2001-2002.

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P27 "Peripheral Environmental Statistics", School of Civil Engineering of NTUA, National Statistical Service of Greece, Eurostat, Unit F-3 Environment, 2000-2002.

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P26 "Development of an integrated scheme for the management of solid wastes in Cyprus", Ministry of Environment, Regional Planning and Public Works, 2000-2001.

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P25 "National Plan for the integrated and alternative management of solid waste", Ministry of Environment, Regional Planning and Public Works, 1998-1999.

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P24 "Hazardous waste management plan on national level", ETERPS Ministry of Environment, Regional Planning and Public Works, 1999-2001.

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P23 "Inventory and determination of the industrial solid and liquid waste quality at a National Level", Ministry of Environment, Regional Planning and Public Works, 1999-2001.

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P22 "Development of a demonstration plasma gasification/vitrification unit for the treatment of hazardous wastes", Life Programme DG XI, 1998-2001.

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P21 "Cost Benefit analysis for on the installation of a mechanical recycling plant in the area of Ano Liosia", Greece, Association of Communities and Municipalities of the Attica Region, ACMAR, 1999.

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P20 "Cost Benefit analysis for the installation of a mechanical recycling plant in the area of Thessalonica, Greece", Association of Communities and Municipalities of Thessalonica, 1999.

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P19 "Preliminary research on the installation of a mechanical recycling plant in the area of Thessalonica Greece", Association of Communities and Municipalities of Thessalonica, 1999.

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P18 "Preliminary research on the installation of a mechanical recycling plant in the area of Ano Liosia Greece," Association of Communities and Municipalities of the Attica Region, ACMAR, 1999.

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P17	"Environmental Impact Assessment for the RDF thermal treatment unit produced from the waste recycling plant in Athens", Greece, Association of Communities and Municipalities of the Attica Region, ACMAR, 1999-2000.
P16	"Design and development of a data base concerning the waste management in Greece", Secretary General for Research and Technology, 1998-2000.
P15	"Safety management systems for major accidents hazards in small and medium enterprises, SMMARTEN", European Commission JRC, Major Accident Bureau, Institute for Systems, Informatics and Safety, 1998-2000.
P14	"Integrated control of industrial pollution and chemical substances in Cyprus", Life-Third Countries, European Commission, Directorate General XI, 1998-2001.
P13	"Technical development and demonstration of closed-loop procedures in electroplating and metal chemistry using solar energy or waste heat to avoid wastewater and to minimize solid waste which can be utilized", DG XII, INCO DC, 1998-2001.
P12	"Research on the assessment of alternative systems for the treatment and final disposal of waste in the Aegean islands" (Peripheries of North and South Aegean), Ministry of Aegean, 1997-1998.
P11	"Preliminary investigation for the design and operation of a centralized facility for the treatment of industrial wastewaters and sewage at Asopos area", Ministry of Environment, Regional Planning and Public Works, 1997-1998
P10	"Assessment of the sea water and sediment quality of the port of Patras", Christiani & Nielsen L.T.D.- BACHY L.T.D., 1997-1998.
P9	"Evaluation of the emissions and hazards caused by major accidents inside the industrial units", Ministry of Development, 1997-2000.
P8	"ECOSIM-Ecological and environmental monitoring and simulation system for management decision support in urban areas", Environment and Telematics, DGXIII, 1996-1998.
P7	"Development of a methodology for implementation of SEVESO Directive - Evaluation of the hazards caused by Major accidents in the Greater area", Ministry of Environment, Regional Planning and Public Works, 1995-1996.
P6	"Implementation of the integrated pollution prevention and control Directive - IPPC", Ministry of Environment, Regional Planning and Public Works, 1996.
P5	"Preliminary research on the development of an inventory of solid wastes on national level", Ministry of Environment, Regional Planning and Public Works, 1997.
P4	"Development of an inventory of industrial wastewaters on national level", Ministry of Environment, Regional Planning and Public Works, 1996.
P3	"New stabilization/solidification technologies for the prevention of underground water contamination from industrial wastes", DG XI AVICENNE 1994-1997.
P2	"Quality Control of the Sea Area of Piraeus", Organization of Port Works of Piraeus, 1994-1996.
P1	"Control of the sea water and sediment quality in selected touristic areas", Ministry of Health, Welfare and Social Security, Greece 1992-1993.

## **11. RESEARCH ACTIVITY - PARTICIPATION IN OTHER PAST PROJECTS**

P4	"Setting up an operational unit under the Environmental Steering Committee (ESC)" LIFE 02 TCY/BIH/009, Bosnia-Herzegovina, 2002-2004, (Participation as a special expert).
P3	"Promotion of environmental voluntary agreements", Life Programme DG XI, Municipality of Amarousion, Greece, 2000-2002.

- P2 "Development and application of a method for the alternative management of industrial sludge containing dangerous substances", Research Promotion Foundation of Cyprus, 2001-2003.
- P1 "Development of an integrated system for the management of environmentally deteriorated regions, using telematics", Programme: PAVE, General Secretariat for Research and Technology, Greece, 1998-2000.


## 12. RESEARCH ACTIVITY - TECHNICAL STUDIES

- S8 "Guidelines for the management of waste generated from intensive dairy cattle breeding - minimization of environmental impacts", Ministry of Agriculture, Natural Resources and Environment of Cyprus, 2004.
- S7 "Development of a methodology and establishment of a system for the management of packaging waste in Cyprus", Ministry of Agriculture, Natural Resources and Environment of Cyprus, 2001-2002.
- S6 Municipality of Moschato, Greece: "Assessment of the environmental impacts of the operation of industrial units in the municipality", 2001.
- S5 Municipality of Nea Erithrea, Greece: "Design and development of a recycling programme in the municipality of Nea Erithrea", 2001.
- S4 Municipality of Nea Erithrea, Greece: "Development of an integrated system for the management of solid waste in the municipality of Nea Erithrea", 2000.
- S3 "Site allocation of a waste facility at Evia", EPEM Ltd, Greece, 1998.
- S2 "Site allocation of a waste facility at Corinthos", Vavizos-Zannaki Ltd, Municipality of Corinthos, Greece 1998.
- S1 "Environmental impact assessment of the Poligiros-Chalkidiki landfill site", EPEM LTD, Greece, 1997.

## PART III: PROFESSIONAL ACTIVITIES

### 1. TALKS (invited, plenary and keynote talks, member of panel discussions)

- T74 D. Fatta-Kassinou: "Contaminants of emerging concern in the wastewater-soil-crop continuum", Goldschmidt 2023 Conference, Session 12i: Environmental Geochemistry of Emerging Contaminants and their Human and Environmental Health Impacts, (organized by the European Association of Geochemistry and the Geochemical Society), Lyon, France, 9 – 14 July 2023, (*keynote speaker*).
- T73 D. Fatta-Kassinou: Commencement speech at the Graduation Ceremony of The American International School of Cyprus, Nicosia, Cyprus, 1 June 2023, (*invited speaker*).
- T72 D. Fatta-Kassinou: "Enhancing the circular economy in the water sector by addressing the contaminants of emerging concern present in wastewater", Seminar organized by King Fahd University of Petroleum & Minerals (KFUPM) Chemical Engineering Department, Dhahran, Saudi Arabia, 23 May 2023, (*invited speaker*).
- T71 D. Fatta-Kassinou: Roundtable discussion on "Environmental regulation in agriculture", 14<sup>th</sup> Dhalia Greidinger International Symposium, Technion Israel Institute of Technology, Israel, 27 February - 1 March 2023.
- T70 D. Fatta-Kassinou: "Towards a more sustainable reclaimed water reuse practice: Facts and Figures", 14<sup>th</sup> Dhalia Greidinger International Symposium, Technion Israel Institute of Technology, Israel, 27 February - 1 March 2023, (*keynote speaker*).
- T69 D. Fatta-Kassinou: "Dream big! STEM high!", Workshop on "Women in science: Stereotypes and challenges in the career path of the female chemist", Association of Greek Chemists-Division of Central & Western Macedonia, Chemists Association of Northern Greece, Gender and Equality Committee of the School of Science of Aristotle University of Thessaloniki, Thessaloniki, Greece, 13 February 2023.

T68	D. Fatta-Kassinou: "Strategies and technologies for clean water", Interdisciplinary School on Environmental Crisis (ISEC), ARISTEiA - Institute for the Advancement of Research & Education in Arts, Sciences & Technology, Edipsos-Euboea, Greece, 17 - 22 December 2022.
T67	D. Fatta-Kassinou: Roundtable discussion on "Water: For lab to tap", R&D Center of the Dubai Electricity and Water Authority (DEWA), DEWA R&D, UAE, 30 November 2022, ( <i>panelist</i> ).
T66	D. Fatta-Kassinou: "Towards a more sustainable reclaimed water reuse practice: Facts and Figures", International Conference on Challenges in Environmental Science and Engineering, CESE 2022, Dubai, UAE, 27 November - 1 December 2022, ( <i>plenary speaker</i> ).
T65	D. Fatta-Kassinou: "The effect of advanced oxidation processes on the fate of antibiotic-related microcontaminants, pathogenic microbes and toxicity in urban wastewater", 5 <sup>th</sup> Iberoamerican Conference on Advanced Oxidation Technologies (CIPOA), Cusco, Peru, 7-11 November 2022, ( <i>plenary speaker</i> ).
T64	D. Fatta-Kassinou: "How to write a great research paper and get it accepted in a good journal", San Diego State University (SDSU), San Diego, California, USA, 20 October 2022, ( <i>invited seminar speaker</i> ).
T63	D. Fatta-Kassinou: "Disinfection processes and antimicrobial resistance", Microconstituents and Pathogens workshop, WEFTEC 2022, New Orleans, USA, 8-12 October 2022, ( <i>invited speaker</i> ).
T62	D. Fatta-Kassinou: "Action Platform for Source-to-Sea Management", IWA World Water Congress, Copenhagen, Denmark, 11-15 September 2022, ( <i>invited speaker</i> ).
T61	D. Fatta-Kassinou: "Enhancing the circular economy in the water sector by addressing the chemical contaminants of concern present in wastewater", The 9 <sup>th</sup> IUPAC (International Union of Pure and Applied Chemistry) International Conference on Green Chemistry (9 <sup>th</sup> ICGC), Athens, Greece, 5-9 September 2022, ( <i>plenary speaker</i> ).
T60	D. Fatta-Kassinou: "Research perspectives on disinfection & urban wastewater discharge and reuse", 3 <sup>rd</sup> IWA International Conference on Disinfection and DBPs 2022, Milan, Italy, 27 June-1 July 2022.
T59	D. Fatta-Kassinou: "The need for reclaimed water reuse for irrigation: Current challenges & ongoing developments", AMR session of the One-Health, Environment, Society- Conference (organized by European Agencies EFSA, ECDC, EEA, EMA, JRC), Brussels, June 2022, ( <i>invited speaker</i> )
T58	D. Fatta-Kassinou: "MSCA Postdoctoral Fellowships: Proposal preparation and writing hints and tips", The engineer in Society, University of Cyprus, Cyprus, 17 February 2022, ( <i>speaker</i> ).
T57	D. Fatta-Kassinou: "Water scarcity and wastewater reuse in crop irrigation", 6 <sup>th</sup> Green and Sustainable Chemistry Conference, online live and on-demand, 18 November 2021, ( <i>keynote speaker</i> ).
T56	D. Fatta-Kassinou: "Water reclamation and reuse in the era of circular economy", 23 <sup>rd</sup> Brazilian Meeting of Chemical Engineering - COBEQ and 18 <sup>th</sup> Brazilian Meeting on Teaching Chemical Engineering - ENBEQ, hybrid conference, Gramado, Brazil, 26 October 2021, ( <i>keynote speaker</i> ).
T55	D. Fatta-Kassinou: "The framework of water reuse in Europe", 1 <sup>st</sup> Global Symposium on Water Cycle (1 <sup>st</sup> GlobalSWC), 2 September 2021, (online symposium) ( <i>keynote speaker</i> ).
T54	D. Fatta-Kassinou: A Masterclass on "Water and sanitation for better health", THE University Impact Forum, organised by THE and the Royal College of Surgeons in Ireland, 7 July 2021, online event ( <i>speaker, member of the discussion panel, delivered twice within the same day</i> ).
T53	D. Fatta-Kassinou: "Drop  in: Let's see what is in the wastewater and how engineers and scientists can address current challenges in the era of circular economy", Symposium on "Environmental Engineering" in the framework of 4 <sup>th</sup> Doctoral Congress in Engineering (DCE21), 28-29 June 2021, (online symposium) ( <i>keynote speaker</i> ).
T52	D. Fatta-Kassinou: "Life cycle assessment of fixed-dome household biogas digesters operated in rural communities in Egypt", National Workshop on "Production of biogas intended for governmental and industrial end users in Cyprus", organized in the framework of BIOGASMENA project (KOINA/ERANETMED/0316/01), 22 February 2021, (Co-organized by Nireas-IWRC, RTD Talos Ltd and S.K. Euromarket Ltd) (online workshop).



T51	D. Fatta-Kassinou: "Operating parameters and oxidative damage mechanisms of Advanced Oxidation Processes against antibiotic-resistant bacteria and resistance genes present in wastewater", IV Iberoamerican Conference on Advanced Oxidation Processes (IV CIPOA), Natal, Brazil, 18-22 November 2019, ( <i>plenary speaker and chair of two technical sessions</i> ).
T50	D. Fatta-Kassinou: "Bacterial inactivation and removal of antibiotic resistance genes by Advanced Oxidation Processes", Workshop on "Photocatalysis – Advances in water and environmental remediation", Khalifa University, Abu Dhabi, United Arab Emirates, 30-31 October 2019, ( <i>invited speaker</i> ).
T49	D. Fatta-Kassinou: "Removal of dissolved effluent organic matter by advanced treatment technologies", Workshop on "Photocatalysis – Advances in water and environmental remediation", Khalifa University, Abu Dhabi, United Arab Emirates, 30-31 October 2019, ( <i>invited speaker</i> ).
T48	D. Fatta-Kassinou: "Towards a better understanding and enhancement of wastewater reuse in Agriculture", 11 <sup>th</sup> Micropol & Ecohazard Conference 2019, Seoul National University, Seoul, Korea, 20-24 October 2019, ( <i>keynote speaker and chair of a technical session</i> ).
T47	D. Fatta-Kassinou: Water Joint Programming Initiative's Workshop on a common strategy for international cooperation in the context of Water Research & Development (R&D) funding, Paris, France, 25 June 2019, ( <i>plenary speaker and panelist</i> ).
T46	D. Fatta-Kassinou: "The role of Chemistry, Biology & Process Engineering in the fight against microcontaminants present in the urban water cycle", EUROMATH & EUROSCIENCE 2019, Paphos, Cyprus, 14 March 2019, ( <i>plenary speaker of the opening ceremony</i> ).
T45	D. Fatta-Kassinou: "Main implications and risks associated with wastewater reuse for irrigation in agriculture and dissolved effluent organic matter", EnSE Seminar Series, King Abdullah University of Science and Technology, Thuwal, Saudi Arabia, 10 March 2019, ( <i>invited speaker</i> ).
T44	D. Fatta-Kassinou: "Successful Coordination of Actions from Cyprus", COST Informational Day, Promoting and Spreading Excellence, Filoxenia Conference Centre, Nicosia, Cyprus, 31 October 2018, ( <i>plenary speaker</i> ).
T43	D. Fatta-Kassinou: "What is in the effluent organic matter? Characteristics and implications in urban wastewater treatment plants", Universidad Technologica de Pereira, Pereira, Colombia, 28 June 2018, ( <i>invited speaker</i> ).
T42	D. Fatta-Kassinou: "Treated wastewater reuse: Considerations related to contaminants of emerging concern", Universidad de Cartagena, Cartagena, Colombia, 25 June 2018, ( <i>invited speaker</i> ).
T41	D. Fatta-Kassinou: "Water Joint Programming Initiative: Hints for possible cooperation action", Universidad Antonio Nariño, Bogota, Colombia, 22 June 2018, ( <i>invited speaker</i> ).
T40	D. Fatta-Kassinou: Introductory talk on "New and emerging challenges and opportunities in wastewater reuse", Capacity building and Cooperation: Water JPI Knowledge Hub vs. COST Action – What is needed", 2 <sup>nd</sup> Water JPI Conference on Emerging pollutants in freshwater ecosystems, Session VI: Tackling emerging pollutants: joining forces for greater success, Helsinki, Finland, 7 June 2018, ( <i>plenary speaker</i> ).
T39	D. Fatta-Kassinou: Panel discussion on "Launch of the Policy Brief", 2 <sup>nd</sup> Water JPI Conference on Emerging pollutants in freshwater ecosystems, Session II: Policy Brief on emerging pollutants – Water JPI Pilot Call, Helsinki, Finland, 6 June 2018, ( <i>panelist</i> ).
T38	D. Fatta-Kassinou: "What do we know so far regarding CEC uptake by crops via treated wastewater reuse for irrigation?", NEREUS COST Action ES1403 Training School on "Uptake of microcontaminants by crop plants and ARB&ARGs testing in wastewater and soil and plant samples", Nicosia, Cyprus, 29 May 2018.
T37	D. Fatta-Kassinou: "Characteristics and implications of effluent organic matter in wastewater treatment plants", International Seminar on "Measure to control effluent organic matter (or TOC) in sewage treatment plants", Seoul, South Korea, 12 April 2018 (co-organized by the National Institute of Environmental Research (NIER) and the Korean Society of Water and Wastewater (KSWW)), ( <i>invited speaker</i> ).
T36	D. Fatta-Kassinou: "Current 'hot issues' in the field of water management", Water JPI Advisory Boards' Meeting, Stockholm, Sweden, 14 March 2018.
T35	D. Fatta-Kassinou: "ITN Best Practices", Marie Skłodowska-Curie Innovative Training Networks, ITN 2017 - Coordinators Info Day, Brussels, Belgium, 11 December 2017, ( <i>plenary speaker</i> ).



T34	D. Fatta-Kassinou: "Considerations Related to Contaminants of Emerging Concern and Wastewater Reuse", 18 <sup>th</sup> European Meeting on Environmental Chemistry (EMEC18), Porto, Portugal, 26-29 November 2017 (organized by the Association of Chemistry and the Environment (ACE)), ( <i>plenary speaker</i> ).
T33	D. Fatta-Kassinou: "Towards a Blue Circle Society: Considerations related to the Contaminants of Emerging Concern and Wastewater Reuse in Agriculture", Second Tripartite Meeting of the Presidents of the Cyprus-Greece-Israel Parliaments, House of Representatives, Nicosia, Cyprus, 2 November 2017.
T32	D. Fatta-Kassinou and N. Kreuzinger: "Towards a blue circle society: Considerations related to the contaminants of emerging concern", 10 <sup>th</sup> International Water Association (IWA) Micropol & Ecohazard Conference, Young Water Professionals day, BOKU University in Vienna, Vienna, Austria, 17-20 September 2017. Note: the presentation was prepared by D. Fatta-Kassinou and finally presented by N. Kreuzinger due to a sudden major health problem of D. Fatta-Kassinou.
T31	D. Fatta-Kassinou: "New and emerging challenges and opportunities in wastewater reuse: NEREUS COST Action ES1403", Summer School on "Advanced Treatment Technologies and Contaminants of Emerging Concern" (NEREUS COST Action ES1403) and 2 <sup>nd</sup> Summer School on "Environmental Applications of Advanced Oxidation Processes" (European AOPs PhD School), Almeida Garrett Municipal Library, Porto, Portugal, 10-14 July 2017 (co-organized by NEREUS COST Action ES1403 and European AOPs PhD School), ( <i>plenary speaker</i> ).
T30	D. Fatta-Kassinou: "MSCA individual fellowships proposal preparation & writing "Hints & Tips" - The Evaluator's "Point of View"", Summer School on "Advanced Treatment Technologies and Contaminants of Emerging Concern" (NEREUS COST Action ES1403) and 2 <sup>nd</sup> Summer School on "Environmental Applications of Advanced Oxidation Processes" (European AOPs PhD School), Almeida Garrett Municipal Library, Porto, Portugal, July 10-14 2017 (co-organized by NEREUS COST Action ES1403 and European AOPs PhD School).
T29	D. Fatta-Kassinou: "Promoting reclaimed wastewater reuse in agriculture while ensuring health and environmental safety", XII Technical Conference on Wastewater Treatment - Emerging pollutants in water. Impact and potential removal strategies, Murcia, Spain, 9-10 November 2016 (organized by the Regional Entity of Sanitation and Wastewater Treatment - ESAMUR), ( <i>plenary speaker</i> ).
T28	D. Fatta-Kassinou: "Solar-driven technologies to combat emerging challenges in urban wastewater reuse", Session: "Is solar remediation a solution to global water shortages?" (Session organized by the Institute of Physics (IOP) co-sponsored by the European Physical Society), EuroScience Open Forum (ESOF) 2016 Manchester, UK, 22-27 July 2016.
T27	D. Fatta-Kassinou: "The ... Evaluator's "Point of View"", Individual Fellowship 2016: the Marie Slodowska- 'Curie-ous' ... Workshop on Proposal Writing, Cleopatra Hotel, Nicosia, Cyprus, 26 May 2016, (organized by Cyprus Research Promotion Foundation), ( <i>plenary speaker</i> ).
T26	D. Fatta-Kassinou: "Lessons learned by Science & Technology Board (STB) and project performers", 2 <sup>nd</sup> Workshop on "Good Practices", Malaga, Spain, 14 April 2016, (organized by MINECO, back-to-back with the 8 <sup>th</sup> Water JPI Governing Board).
T25	D. Fatta-Kassinou: "Current Challenges in Water Reuse", International Roundtable Workshop on The governance of water reuse - International experiences and future perspectives for research and action, Leibniz Association, Berlin-Mitte, Germany, 8 October 2015, ( <i>invited speaker</i> ).
T24	D. Fatta-Kassinou: "Wastewater reuse as a 'missing component'", EU Tempus I-WEB Conference, Almaty, Kazakhstan, 24-25 September 2015, ( <i>plenary speaker</i> ).
T23	D. Fatta-Kassinou: "Pharmaceutical residues in wastewater: An emerging challenge for the treatment technologies", 5 <sup>th</sup> International Conference on Environment 2015 (ICENV 2015), Penang, Malaysia, 18-19 August 2015, ( <i>plenary speaker</i> ).
T22	D. Fatta-Kassinou: "New and emerging challenges and opportunities in wastewater reuse (Nereus, COST Action ES1403)", COST Information Day, Cleopatra Hotel, Nicosia, Cyprus, 4 February 2015, ( <i>plenary speaker</i> ).
T21	D. Fatta-Kassinou: "Why pharmaceutical residues constitute a major concern for the wastewater treatment technologies", Third International Conference on Advanced Oxidation Processes 2014, Munnar, Kerala, India, 26 September 2014, ( <i>keynote speaker</i> ).

T20	D. Fatta-Kassinos: "New and emerging challenges in wastewater treatment and reuse" seminar at NEWRI-Nanyang Environment and Water Research Institute, Nanyang Technological University, Singapore, 30 July 2014, ( <i>invited speaker</i> ).
T19	D. Fatta-Kassinos: "Treatment and valorization of olive mill wastewater", MEDOLICO - Watec Companies Workshop, Jerusalem, Israel, 28 May 2014.
T18	D. Fatta-Kassinos: "Contaminants of emerging concern: A new challenge for wastewater treatment technologies", International Scientific Educational Summer University at IKTU, Turkestan, Kazakhstan, 17 May 2014.
T17	D. Fatta-Kassinos: "Contaminants of emerging concern: A new challenge for wastewater treatment technologies and reuse schemes", SABE/CEN Thematic meeting on Wastewater reuse and the implications for future standardization, Brussels, Belgium, 13 March 2014, ( <i>invited speaker</i> ).
T16	D. Fatta-Kassinos: "Contaminants of emerging concern: A new challenge for the wastewater treatment technologies", WATEC 2013: Conference and exhibition on water technologies and environmental control, Tel Aviv, Israel, 22 October 2013, ( <i>plenary speaker</i> ).
T15	D. Fatta-Kassinos: "Detecting evolutionary hot spots of antibiotic resistances in Europe", Hannover, Germany, COST Actions ESSEM Domain annual meeting, 13 June 2013.
T14	D. Fatta-Kassinos: "MEDOLICO - Mediterranean Cooperation in the Treatment and Valorization of Olive Mill Wastewater", The First Olive Oil Harvest Event, Ginosar, Israel, 15 January 2013.
T13	D. Fatta-Kassinos: "Detecting evolutionary hot spots of antibiotic resistances in Europe", Holiday Inn, Nicosia, Cyprus, 13 September 2011. Domains and Management Committees for the European Cost Action in Cyprus- Coordination and Networking, (organized by Cyprus Research Promotion Foundation). The participation is considered as one of the most successful ones from Cypriot groups, ( <i>invited speaker</i> ).
T12	D. Fatta-Kassinos: "An overview of the water and wastewater management practices in Cyprus", Institut für Umweltmedizin und Krankenhaushygiene, Freiburg, Germany, 13 August 2010, ( <i>invited speaker</i> ).
T11	D. Fatta-Kassinos: "Pharmaceuticals removal from urban wastewater by AOPs", University of Salerno, Fischiano, Italy, 7 July 2010, ( <i>invited speaker</i> ).
T10	D. Kassinos: "Pharmaceuticals in the environment and water treatment systems: An emerging challenge", at the Pancyprian Pharmaceutical Conference, Nicosia, Cyprus, 18 October 2009, ( <i>plenary speaker</i> ).
T9	D. Fatta-Kassinos: "Communicating research to policy-makers: A researcher's perspective", Linking Science and Policy in sustainable development research, Limassol, Cyprus, 15 October 2009, (organized by Cyprus Research Promotion Foundation), ( <i>plenary speaker</i> ).
T8	S. Meric and D. Fatta: "Wastewater reuse, Risk assessment, Decision making: A three-ended narrative subject", NATO Advanced Research Workshop on Wastewater Reuse - Risk Assessment, Decision-making and Environmental Security, Izmir, Turkey, 12-16 October 2006, ( <i>plenary speaker</i> ).
T7	D. Fatta, "MEDAWARE: Wastewater reuse in the Mediterranean countries", International Workshop for the World Environment Day, University of Salerno, Salerno, Italy, 5 June 2006, ( <i>plenary speaker</i> ).
T6	D. Fatta, "Sustainable promotion of non-conventional water resources for peri-urban areas", CHEC Commonwealth Human Ecology Council - University of Malta, Valetta, Malta, 21-23 November 2005, ( <i>plenary speaker</i> ).
T5	D. Fatta, "The implementation of the IPPC Directive in Cyprus: Challenges and constraints", International Conference on IPPC Implementation in European Countries, Bratislava, Slovakia, 10-11 October 2005, ( <i>plenary speaker</i> ).
T4	D. Fatta, "Good practice examples on the utilization of treated wastewater for irrigation purposes", Workshop and Seminar on Water Stress, AquaStress, Nicosia, Cyprus, 4-7 July 2005.
T3	D. Fatta, "Waste Management", Cyprus Green Party, Limassol, Cyprus, 13 April 2005.

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- T2 D. Fatta, "Dissemination of experience and know how in order to enhance the EU approximation process in respect to Environmental issues". Country visits in accession countries, European Topic Center on Waste and Material Flows, European Environment Agency: Nicosia/Cyprus - February 2003, Warsaw/Poland - March 2002, Bucharest/Romania - March 2002, Sofia/Bulgaria - February 2002.
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- T1 D. Fatta and G. Papadakis, "Guidance on the preparation of a safety report and a methodology for its assessment", Workshop on Industrial Risk Analysis, Nicosia, Cyprus, 27 November 2000.
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## **2. ORGANIZATION AND CO-ORGANIZATION OF WORKSHOPS / CONFERENCES / SESSIONS – ROUNDTABLE AND PANEL DISCUSSIONS – STUDENT SEMINARS**

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- W55 Webinar session on "New Opportunities in Wastewater Science and Engineering: Reuse, Recovery, Valorization, Surveillance", Water Emerging Contaminants & Nanoplastics, 7<sup>th</sup> March 2023, (Chairs: L. Rizzo and D. Fatta-Kassinis).
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- W54 Workshop on "Wastewater reuse and treatment technologies", in the framework of the 3<sup>rd</sup> IWA International Conference on Disinfection and DBPs 2022, 27 June-1 July 2022, Milan, Italy, (Chairs: L. Rizzo and D. Fatta-Kassinis).
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- W53 Session on "One Health next generation wastewater management and reuse: the role of non-target and retrospective analysis, bioassays, and wastewater surveillance", 32<sup>nd</sup> SETAC Europe Annual Meeting, Towards a reduced pollution society, 15-19 May 2022, Copenhagen, Denmark, (Chairs: S.T. Glassmeyer, D. Fatta-Kassinis, D. Barcelo, V.V. Yargeau).
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- W52 Session on "Assessment of the exposure and effects of contaminants of emerging concern in drinking and wastewater systems and assays to evaluate their removal", SETAC Europe 31<sup>st</sup> Annual Meeting, Global Challenges. An Emergency for Environmental Sciences, 3-6 May 2021, (online conference) (Chairs: S.T. Glassmeyer, D. Fatta-Kassinis, D. Barcelo, V.V. Yargeau).
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- W51 National Workshop on "Production of biogas intended for governmental and industrial end users in Cyprus", organized in the framework of BIOGASMENA project (KOINA/ERANETMED/0316/01), 22 February 2021, (online workshop) (Co-organization with RTD Talos Ltd and S.K. Euromarket Ltd).
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- W50 Session on "Assessment of the exposure and effects of contaminants of emerging concern in drinking and wastewater systems and assays to evaluate their removal", SETAC Europe 30<sup>th</sup> Annual Meeting, Open Science for Enhanced Global Environmental Protection, SETACSciCon, 3-7 May 2020, (online conference) (Chairs: S.T. Glassmeyer, D. Fatta-Kassinis, D. Barcelo, V.V. Yargeau).
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- W49 First General Meeting of "Network of effective knowledge transfer on safe and economic wastewater reuse in agriculture in Europe (SuWaNu Europe)" (H2020-RUR-2018-1/818088), University of Cyprus, Nicosia, Cyprus, 5-6 June 2019.
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- W48 Session on "Advanced Oxidation Processes", CEST2019, 16<sup>th</sup> International Conference on Environmental Science and Technology, 4-7 September 2019, Rhodes, Greece (Chairs: N. Xekoukoulotakis, D. Fatta-Kassinis).
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- W47 Session on "Emerging Contaminants: Microplastics, Pharmaceuticals and Personal Care Products and Antibiotic Resistance", 16<sup>th</sup> IWA Leading Edge Conference on Water and Wastewater Technologies, 10-14 June 2019, Edinburg, United Kingdom (Chairs: D. Fatta-Kassinis, Thomas Ternes).
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- W46 Organization of the Nireas-IWRC Monthly Seminar Series 'When Ideas Flow', October 2011 - May 2018, University of Cyprus.
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- W45 Panel Discussion on "The future of water management", Challenges and Solutions related to Xenobiotics and Antimicrobial Resistance in the Framework of Urban Wastewater Reuse: Towards a Blue Circle Society (XENOWAC II), Limassol, Cyprus, 12 October 2018 (Moderators: D. Fatta-Kassinis, N. Kreuzinger).
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w44	Roundtable Discussions on "Wastewater reuse in the circular economy era", "Tackling unknowns, risks and barriers for enhancing wastewater reuse", and "Wastewater treatment and reuse cost", Challenges and Solutions related to Xenobiotics and Antimicrobial Resistance in the Framework of Urban Wastewater Reuse: Towards a Blue Circle Society (XENOWAC II), Limassol, Cyprus, 10-11 October 2018 (Organizer and Host).
w43	International Conference on "Challenges and Solutions related to Xenobiotics and Antimicrobial Resistance in the Framework of Urban Wastewater Reuse: Towards a Blue Circle Society (XENOWAC II)", Limassol, Cyprus, 10-12 October 2018 (Host, Organizer and Chair).
w42	Session on "Emerging Contaminants: Treatment", IWA World Water Congress & Exhibition 2018, 16-21 September 2018, Tokyo, Japan (Chairs: D. Fatta-Kassinos, P. L. Pedersen).
w41	Session on "Novel materials, technologies and systems for water and wastewater treatment and management", 3 <sup>rd</sup> EWaS International Conference on "insights on the Water-Energy-Food Nexus", Lefkada Island, Greece, 27-30 June 2018 (Chairs: T. Karakasidis, D. Fatta-Kassinos).
w40	Training School on "Uptake of microcontaminants by crop plants and ARB&ARGs testing in wastewater and soil and plants samples", organized in the framework of Working Group 2 of NEREUS COST Action ES1403, Cyprus, 29-31 May 2018 (Co-organization with the Agricultural Research Institute and the Cyprus University of Technology).
w39	Session on "Advanced oxidation processes", CEST2017, 15 <sup>th</sup> International Conference on Environmental Science and Technology (CEST2017), Rhodes, Greece, 31 August-2 September 2017 (Chairs: N. Xekoukoulotakis, D. Fatta-Kassinos).
w38	Summer School on "Advanced Treatment Technologies and Contaminants of Emerging Concern" (NEREUS COST Action ES1403) and 2 <sup>nd</sup> Summer School on "Environmental Applications of Advanced Oxidation Processes" (European AOPs PhD School), organized in the framework of NEREUS COST Action ES1403, Porto, Portugal, 10-14 July 2017 (Co-organization with European AOPs PhD School).
w37	National Workshop on "Implementation and validation of non-formal training on sustainability for environmental testing laboratories workers", organized in the framework of the project 'ECVET-Lab', Erasmus+, KA2 (2016-1-ES-KA202-024977), University of Cyprus, Nicosia, Cyprus, 19 May 2017.
w36	Training School on "Microcontaminants in the aquatic water cycle - wastewater reuse - the Cypriot/Israeli experience", organized in the framework of the project 'ANSWER', H2020-MSCA-ITN-2015/675530, Agriculture Research Organization of Israel - The Volcani Centre (ARO), Rehovot, Israel, 5-10 March 2017 (Co-organization with Agriculture Research Organization of Israel - The Volcani Center (ARO) and Hebrew University of Jerusalem).
w35	National Workshop on "Challenges and perspectives of wastewater reuse in agriculture", organized in the framework of the project "Investigation of the potential adverse effects to the soil and the environment caused by wastewater reuse for irrigation and assessment of public health risks in Cyprus" (funded by Cyprus Government) and StARE project (KOINA/IIKII/0113/15), Agriculture Research Institute, Nicosia, Cyprus, 2 March 2017 (Co-organization with Agriculture Research Institute).
w34	Summer School on "Antibiotics and mobile resistance elements in wastewater reuse applications: risks and innovative solutions", organized in the framework of the project 'ANSWER', H2020-MSCA-ITN-2015/675530, Institute of Environmental Sciences and Water Research, Spanish Council for Scientific Research (IDAEA-CSIC), Barcelona, Spain, 13-23 June 2016.
w33	Training School "Cristina Becerra-Castro" on "Methods for detecting and quantifying antibiotic-resistant bacteria and antibiotic resistance genes in the environment", organized in the framework of the COST Action 'Nereus', ES1403, Institute of Environmental Sciences and Water Research, Spanish Council for Scientific Research (IDAEA-CSIC), Barcelona, Spain, 13-15 June 2016.

w32	Session on "Contaminants of Emerging Concern in the Environment and their Management", SETAC Europe 26 <sup>th</sup> Annual Meeting: Environmental contaminants from land to sea: continuities and interface in environmental toxicology and chemistry, Nantes, France, 22-26 May 2016 (Chairs: J. Lazorchak, D. Barcelo, D. Dionysiou, R. Kase, D. Fatta-Kassinos).
w31	National Workshop on "Closing Gaps of Knowledge with respect to Advanced Chemical Oxidation Processes for the Removal of Contaminants of Emerging Concern (GAPS)", Nireas-IWRC, University of Cyprus, Nicosia, Cyprus, 8 June 2015.
w30	Session on "Wastewater Reuse and Contaminants of Emerging Concern", SETAC Europe 25 <sup>th</sup> Annual Meeting: Environmental protection in a multi-stressed world: challenges for science, industry and regulators, Centre Convencions Internacional de Barcelona, Barcelona, Catalonia, Spain, 3-7 May 2015.
w29	National Workshop on "New technologies for olive mill wastewater treatment and valorization of agro-industrial products", Lythrodontas, Cyprus, 7 April 2015.
w28	National Workshop on "Photocatalytic Removal of Organic Micropollutants from the Aqueous Phase using Graphene as a Photocatalyst (PhotoGraph)", University of Cyprus, Nicosia, Cyprus, 16-17 July 2014.
w27	International Workshop on "Integrating water cycle management: building capability, capacity and impact in education and business", University of Cyprus, Nicosia, Cyprus, 8-9 July 2013.
w26	National Workshop on "Fate, effect and removal potential of xenobiotics present in aqueous matrices", Cleopatra Hotel, Nicosia, Cyprus, 20 June 2013.
w25	International Workshop on "Environmental management of wineries and olive mills - current challenges and opportunities", Hilton Hotel, Nicosia, Cyprus, 19 October 2012.
w24	International Workshop on "Wastewater reuse applications and contaminants of emerging concern", organized in the framework of NORMAN network activities, DARE EU COST Action TD0803, and NIREAS-IWRC, Columbia Resort, Limassol, Cyprus, 13-14 September 2012. (Host and Co-organizer).
w23	Workshop on "Environmental assessment of xenobiotics released in the environment", organized in the framework of the project 'TOMIXX', PENEK/0609/24, University of Cyprus, 29 June 2011.
w22	Workshop on "Advanced systems for the enhancement of the environmental performance of wineries in Cyprus" organized in the framework of the project 'WINEC', LIFE 08 ENV/CY/000455, Amathus Beach Hotel, Limassol, 11 June 2012.
w21	Scientific Workshop on "Detecting evolutionary hot spots of antibiotic resistances in Europe", EUCOST Action TD 0803, Ayia Napa, Cyprus, 3-4 May 2011, (Host and Organizer).
w20	SOLTEC and WINEC projects, University of Cyprus, Nicosia, Cyprus, 22 October 2010, (Organizer).
w19	SOLTEC and ESTROGENS projects, Columbia Plaza, Limassol, Cyprus, 23 February 2010, (Organizer).
w18	Second European Conference on Environmental Applications of Advanced Oxidation Processes (AOPs), Nicosia, Cyprus, 9-11 September 2009, (Conference Host and Co-Chair), <a href="http://www.eaaop2.com">http://www.eaaop2.com</a> .
w17	Two-day workshop on "Development and application of innovative advanced treatment processes for the removal of organic compounds from sewage and toxicity monitoring", Lofou-Limassol, Cyprus, 17-18 May 2009, (Organizer).
w16	Workshop on "Emerging Disinfection By-Products and Other Emerging Environmental Contaminants in Water and Wastewater: What's New". Keynote lecture given by Dr. Susan Richardson, US EPA, The Journalists' House, Nicosia, Cyprus, 9 March 2009, (Organizer).

w15	International Conference on "Xenobiotics in the Urban Water Cycle", XENOWAC2009, Paphos, Cyprus, 11-13 March 2009, (Host and Chair).
w14	The International Conference on "Environmental Performance of Tourist Accommodation Sector in Euro-Med Countries (CEPTA)", Petra, Jordan, 2-4 July 2008, (Co-organization).
w13	Workshop on "Environmental Management of Tourist Accommodation Sector", Zarqa, Jordan, 29-30 June 2008, (Co-organisation).
w12	Workshop on PHAREM and DIATOXH projects, funded by the Research Promotion Foundation of Cyprus, Nicosia, Cyprus, Skali Aglantzias, Nicosia, Cyprus, 25 October 2007, (Organizer).
w11	IWA Specialty Conference, "1 <sup>st</sup> International Symposium on Water and Wastewater Technologies in Ancient Civilizations", Heraklion, Crete, Greece, 28-30 October 2006, (Co-organization).
w10	Joint NitroEurope/ESF NinE Summer School, "Methods to study microbial nitrogen turnover and the formation of greenhouse gases", Vienna, Austria, 2-13 October 2006 (Co-organization with Prof. S. Zechmeister-Boltenstern).
w9	Workshop on "Implementation of the Legislation for Integrated Pollution Prevention and Control in Pig Farms in Cyprus", Cyprus, 18 July 2006 (Co-organization with the Environment Service of Cyprus).
w8	WaT3R, "MEDA WATER International Conference on Sustainable Water Management, Rational Water Use, Wastewater Treatment and Reuse", Marrakech, Morocco, 8-10 June 2006, (Co-organization).
w7	First International Conference on "Sustainable Wastewater Treatment and Reuse in the Mediterranean Countries: SUWTR2005", Nicosia, Cyprus, 15-16 September 2005, (Co-organization).
w6	Workshop and Seminar on Water Stress, "Mitigation of water stress through new approaches", AquaStress, Nicosia, Cyprus, 4-7 July 2005, (Co-organization with the Mediterranean Agronomic Institute of Bari, Italy and the National Technical University of Athens, Greece).
w5	Workshop on "An Environment for Europe, a day dedicated to the European environmental guidelines, and their adaptation to the Cyprus legislation", Nicosia, Cyprus, 13 May 2004, (Co-organization with the Cyprus Scientific and Technical Chamber).
w4	Balkan Regional Conference on "Waste Management", organized by NTUA and the European Topic Centre on Waste and Material Flows (ETC/WMF), Athens, 5 November 2002, (Co-organization with the European Environment Agency).
w3	International Conference on "Presentation and Analysis of the Waste Statistics Regulation", organized by NTUA under the auspices of the European Union Statistical Service, Eurostat and of the European Topic Centre on Waste and Material Flows (ETC/WMF), Athens, 6-8 November 2002, (Co-organization with the European Environment Agency).
w2	International Conference on "Integrated Control and Prevention of Industrial Pollution in Cyprus", Nicosia, Cyprus, 2001, (NTUA, Organization).
w1	Workshop on "Industrial Risk Analysis", Nicosia, Cyprus, 27 November 2000, (NTUA, Co-organization with the Department of Labor Inspection of Cyprus).

### 3. MEMBER OF CONFERENCE COMMITTEES

c71	4 <sup>th</sup> International Conference on Disinfection and Disinfection By-Products (DDBP 2024) IWA conference, 21-24 October 2024, Almeria, Spain. (Member of the Scientific Committee).
c70	Singapore International Water Week 2024 (SIWW2024), 18-22 June 2024, Singapore. (Member of the Programme Committee of Theme 6: Nexus and Circularity).



c69	7 <sup>th</sup> IWA Regional Membrane Technology Conference (IWA-RMTC2024), 18-21 June 2024, Palermo, Italy. (Member of the Scientific Committee).
c67	34 <sup>th</sup> SETAC Europe Annual Meeting, 5-9 May 2024, Seville, Spain. (Member of the Programme and Scientific Committee).
c66	44 <sup>th</sup> SETAC North America Annual Meeting, 12-16 November, Louisville, Kentucky, USA. (Chair of session "Advanced Non-Target Analysis, Bioassays/Biosensors and Assessment Tools to Monitor and Respond to Emerging Threats in Wastewater Management").
c65	8 <sup>th</sup> Environmental Conference of Macedonia, 6-8 October 2023, Thessaloniki, Greece. (Member of the Scientific Committee).
c64	CEST2023, 18 <sup>th</sup> International Conference on Environmental Science and Technology, 30 August – 4 September 2023, Athens, Greece. (Member of the Scientific Committee), <a href="https://cest.gnest.org">https://cest.gnest.org</a> .
c63	11 <sup>th</sup> World Congress in Chemical Engineering (WCCE 11) AOPs symposium, 4-8 June 2023, Buenos Aires, Argentina. (Member of the Scientific Committee), <a href="https://wcce11.org/">https://wcce11.org/</a> .
c62	7 <sup>th</sup> Green & Sustainable Chemistry Conference, 22-24 May 2023, Dresden, Germany. (Member of the Scientific Committee), <a href="https://www.elsevier.com/events/conferences/green-and-sustainable-chemistry-conference/about">https://www.elsevier.com/events/conferences/green-and-sustainable-chemistry-conference/about</a> .
c61	ECOMONDO 2022, The Green Technology Expo, 8-11 November 2022, Rimini, Italy. (Member of the International Advisory Board), <a href="https://en.ecomondo.com/">https://en.ecomondo.com/</a> .
c60	3 <sup>rd</sup> International Conference on Risk Assessment of Pharmaceuticals in the Environment (ICRAPHE 2021), October 2022, Hangzhou, China. (Member of the Scientific Committee), <a href="http://icraphe2020.csp.escience.cn/">http://icraphe2020.csp.escience.cn/</a> .
c59	International Symposium on Persistent Toxic Substances and Health (ISPTS-2022), 26 September 2022-1 October 2022, Chania, Crete, Greece. (Member of the Scientific Committee), <a href="https://www.ispts2022.gr/en/home">https://www.ispts2022.gr/en/home</a> .
c58	3 <sup>rd</sup> IWA International Conference on Disinfection and DBPs 2022, 27 June-1 July 2022, Milan, Italy. (Member of the Scientific Committee), <a href="https://www.disinfectiondbps2022.polimi.it">https://www.disinfectiondbps2022.polimi.it</a> .
c57	8 <sup>th</sup> European Bioremediation Conference, 12-17 June 2022, Chania, Greece. (Member of the Scientific Committee), <a href="https://www.ebc-viii.tuc.gr">https://www.ebc-viii.tuc.gr</a> .
c56	12 <sup>th</sup> Micropol & Ecohazard Conference, 6-10 June 2022, Santiago de Compostela, Spain. (Member of the Scientific Committee, Chair of Session), <a href="https://micropol2022.org/">https://micropol2022.org/</a> .
c55	32 <sup>nd</sup> SETAC Europe Annual Meeting, 15-19 May 2022, Copenhagen, Denmark (Member of the SETAC Europe Council, Chair of Session), <a href="https://europe2022.setac.org/">https://europe2022.setac.org/</a> .
c54	3 <sup>rd</sup> Interdisciplinary Forum of University of Cyprus, 9-10 May 2022, Nicosia, Cyprus (Member of the Organizing Committee, Chair of 1 Session).
c53	Workshop on Photo-irradiation and Adsorption based Novel Innovations for Water-treatment, 2-5 May 2022, Lecce, Italy (Member of the Scientific Committee, Chair of Session).
c52	Testing the Waters 5, 28 September-1 October 2021, Brisbane, Queensland, Australia. (Member of the Scientific Committee), <a href="https://qaehs.centre.uq.edu.au/ttw-conference">https://qaehs.centre.uq.edu.au/ttw-conference</a> .
c51	CEST2021, 17 <sup>th</sup> International Conference on Environmental Science and Technology, 1-4 September 2021, Athens, Greece. (Member of the Scientific Committee), <a href="https://www.cest2021.gnest.org/">https://www.cest2021.gnest.org/</a> .
c50	1 <sup>st</sup> Online Conference of Young Scientists on Mineral Resources-Environment-Chemical Engineering, 26-28 February 2021 (Member of the Scientific Committee), <a href="https://www.chemop.gr/">https://www.chemop.gr/</a> .
c49	IWA-Technoscape 2020, First Trans-Asia Young Water Professional Conference, 16-19 December 2020, Vellore, India. (Member of the Advisory Committee), <a href="https://iwa-ts2020.org/">https://iwa-ts2020.org/</a> .

c48	ECOMONDO 2019, The Green Technology Expo, Section on "Water Cycle Management and Integrated Valorization", 5-8 November 2019, Rimini, Italy. (Member of the Scientific and Technical Committee), <a href="https://www.ecomondo.com/">https://www.ecomondo.com/</a> .
c47	11 <sup>th</sup> Micropol & Ecohazard Conference 2019, 20-23 October 2019, Seoul, South Korea. (Member of the Scientific Committee), <a href="http://www.iwa-network.org/events/11th-micropol-ecohazard-conference-2019/">http://www.iwa-network.org/events/11th-micropol-ecohazard-conference-2019/</a> .
c46	2019 International Conference on Wastewater Technologies and Environmental Treatment (ICWTET2019), 18-19 October, 2019, Kuala Lumpur, Malaysia. (Member of the Scientific and Technical Committees), <a href="http://www.icwtet.org/index.html">http://www.icwtet.org/index.html</a> .
c45	CEST2019, 16 <sup>th</sup> International Conference on Environmental Science and Technology, 4-7 September 2019, Rhodes, Greece. (Member of the Scientific Committee), <a href="http://cest2019.gnest.org/">http://cest2019.gnest.org/</a> .
c44	International Symposium on "Constructed Wetlands & Small Decentralized Wastewater Treatment Plants", 29-31 August 2019, Patra, Greece. (Member of the Scientific Committee), <a href="http://domuscw-project.eu/conference/conference/">http://domuscw-project.eu/conference/conference/</a> .
c43	6 <sup>th</sup> European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP6), 26-30 June 2019, Portoroz-Portorose, Slovenia. (Member of the Scientific Committee), <a href="http://eaaop6.ki.si/">http://eaaop6.ki.si/</a> .
c42	16 <sup>th</sup> IWA Leading Edge Conference on Water and Wastewater Technologies, 10-14 June 2019, Edinburg, United Kingdom. (Member of the Programme Committee), <a href="https://iwa-let.org/">https://iwa-let.org/</a> .
c41	International Conference on Environment 2018 (ICENV 2018), 11-13 December 2018, Penang, Malaysia. (Member of the Scientific Committee), <a href="http://chemical.eng.usm.my/ICENV2018/">http://chemical.eng.usm.my/ICENV2018/</a> .
c40	4 <sup>th</sup> International Conference on Recycling and Reuse 2018 (RR2018) on Renewable Energies and Wastewater Reuse, 24-26 October 2018, Istanbul, Turkey. (Member of the Scientific Committee), <a href="http://rr.istanbul.edu.tr/">http://rr.istanbul.edu.tr/</a> .
c39	2 <sup>nd</sup> International Symposium on Materials, Electrochemistry and Environment, CIMEE18, 18-20 October 2018, Tripoli, Lebanon. (Member of the Scientific Committee), <a href="https://c-e-science.jimdo.com/cimee-2018/">https://c-e-science.jimdo.com/cimee-2018/</a> .
c38	Protection and Restoration of the Environment XIV (PRE XIV), 3-6 July 2018, Thessaloniki, Greece. (Member of the Scientific Committee), <a href="http://pre14.civil.auth.gr/">http://pre14.civil.auth.gr/</a> .
c37	10 <sup>th</sup> World Congress of Chemical Engineering, Advanced Oxidation Processes Symposium Joint Event (WCCE10), 1-5 October 2017, Barcelona, Spain. (Member of the Scientific Committee), <a href="http://wcce10.org">http://wcce10.org</a> .
c36	CEST2017, 15 <sup>th</sup> International Conference on Environmental Science and Technology (CEST2017), 31 August-2 September 2017, Rhodes, Greece. (Member of the Scientific Committee), <a href="http://cest.gnest.org/">http://cest.gnest.org/</a> .
c35	5 <sup>th</sup> European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP5), 25-29 June 2017, Prague, Czech Republic. (Member of the Scientific Committee), <a href="http://www.eaaop5.com/">http://www.eaaop5.com/</a> .
c34	International Conference on Novel Methods for integrated exploitation of agricultural by-products, 16-18 November 2015, Thessaloniki, Greece. (Member of the Scientific Committee), <a href="https://www.certh.gr/3E7DC70C.el.aspx">https://www.certh.gr/3E7DC70C.el.aspx</a> .
c33	4 <sup>th</sup> European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP4), 21-24 October 2015, Athens, Greece. (Member of the Scientific Committee), <a href="http://www.eaaop4.com/">http://www.eaaop4.com/</a> .

c32	CEST2015, 14 <sup>th</sup> International Conference on Environmental Science and Technology (CEST2015), 2-3 September 2015, Rhodes, Greece. (Member of the Scientific and Programme Committee), <a href="http://cest.gnest.org">http://cest.gnest.org</a> .
c31	5 <sup>th</sup> International Conference on Environment 2015 (ICENV 2015), 18-19 August 2015, Eastin Hotel, Penang, Malaysia. (Member of the International Advisory Board), <a href="http://chemical.eng.usm.my/ICENV2015">http://chemical.eng.usm.my/ICENV2015</a> .
c30	SETAC Europe 25 <sup>th</sup> Annual Meeting: Environmental protection in a multi-stressed world: challenges for science, industry and regulators, 3-7 May 2015, Barcelona, Spain. (Member of the Scientific and Programme Committee), <a href="https://www.barcelona.setac.org">https://www.barcelona.setac.org</a> .
c29	International Conference on Advanced Oxidation Processes (AOP-2014). Organized by the Center for Environmental Education and Technology (CEET), India in association with the Advanced Center for Environmental Studies and Sustainable Development, Mahatma Gandhi University, 25-28 September 2014, Kerala, India. (Member of the International Advisory Committee).
c28	Symposium on Advanced Oxidation Processes in Water and Wastewater Treatment and Reuse, in the framework of the 5 <sup>th</sup> EuCheMs, Chemistry Congress, 31 August-4 September 2014, Istanbul, Turkey. (Member of the Scientific Committee).
c27	2 <sup>nd</sup> International Conference on Recycling and Reuse, 2014 (R&R, 2014), 4-6 June 2014, Istanbul, Turkey. (Member of the Scientific Committee).
c26	IWA Regional Symposium on Water, Wastewater and Environment: Traditions and Culture, 22-24 March 2014, Patras, Greece. (Member of the Programme Committee).
c25	3 <sup>rd</sup> European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP3), 28-30 October 2013, Almeria, Spain. (Member of the Scientific Committee).
c24	CEST2013, 13 <sup>th</sup> International Conference on Environmental Science and Technology (CEST 2013), 5-7 September 2013, Athens, Greece. (Member of the Scientific and Programme Committee), <a href="http://cest2013.gnest.org">http://cest2013.gnest.org</a> .
c23	International Conference on Advanced Oxidation Processes (AOP-2012). Organized by the Center for Environmental Education and Technology (CEET), Kottayam, Kerala, India in association with the Advanced Center for Environmental Studies and Sustainable Development, Mahatma Gandhi University, Kottayam Kerala, October 2012, Kerala, India. (Member of the International Advisory Committee).
c22	1 <sup>st</sup> International Workshop on the Valorization of Mediterranean Biowastes and Effluents. Organized by the International Association of Mediterranean Agro-Industrial Wastes. National exhibition and Agricultural Market Center, 5-8 June 2012, Santarem, Portugal. (Member of the Scientific Committee).
c21	IWA - 10 <sup>th</sup> Specialized conference on small water and wastewater treatment systems - 4 <sup>th</sup> Specialized conference on decentralized water and wastewater international network - 3 <sup>rd</sup> Specialized conference on resources oriented sanitation, 18-22 April 2011, Venice, Italy. (Member of the Scientific Committee, Chair of 2 Sessions).
c20	International Conference on Energy, Water and Environment (ICEWE), 12-15 December 2010, Amman, Jordan. (Member of the International Scientific Committee).
c19	International Conference on Advanced Oxidation Processes (AOP-2010). Organized by the Center for Environmental Education and Technology (CEET), Kottayam, Kerala, India in association with the Advanced Center for Environmental Studies and Sustainable Development, Mahatma Gandhi University, Kottayam Kerala, 18-21 September 2010, Kerala-India. (Member of the International Advisory Committee).
c18	15 <sup>th</sup> International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region with focus on the Environmental Threats in the Mediterranean Region:

	Problems and Solutions. 7-11 October 2009, Bari-Italy, organized by MESAEP. (Member of the Scientific Committee).
c17	15 <sup>th</sup> International Conference on Advanced Oxidation Technologies for Treatment of Water Air and Soil (AOT-15) that will be held jointly with TiO <sub>2</sub> -14 at the Conference Center Niagara Falls, 5-8 October 2009, New York. (Member of the International Organizing Committee).
c16	2 <sup>nd</sup> European Conference on Environmental Applications of Advanced Oxidation Processes (EAAOP2), 11-13 September 2009, Nicosia, Cyprus. (Chair and Member of the International Scientific Committee).
c15	CEST2009, 11 <sup>th</sup> Biennial Conference on Environmental Science and Technology (CEST 2009) 3-5 September 2009, Chania, Crete, Greece. (Member of the Scientific and Programme Committee), <a href="http://www.gnest.org/cest">http://www.gnest.org/cest</a> .
c14	International Conference on Xenobiotics in the Urban Water Cycle, XENOWAC2009, 11-13 March 2009, Paphos, Cyprus. (Chair and Member of the Scientific Committee).
c13	European Water Resources Association (EWRA), 7 <sup>th</sup> International Conference, 'Water Resources Conservation and Risk Reduction under Climatic Instability', 27-27 June 2009, Limassol, Cyprus. (Member of the Scientific Committee).
c12	International Conference on Water Resources Management organized by IASTED, International Association of Science and Technology for Development, 8-10 September 2008, Gabarone, Botswana. (Member of the International Programme Committee), <a href="http://www.iasted.org/conferences/pastinfo-604.html">http://www.iasted.org/conferences/pastinfo-604.html</a> .
c11	The International Conference on Environmental Performance of Tourist Accommodation Sector in Euro-Med Countries (CEPTA), 2-4 July 2008, Petra, Jordan. (Member of the Organizing Committee), <a href="http://www.just.edu.jo/green_tas">www.just.edu.jo/green_tas</a> .
c10	PRE9: Protection and Restoration of the Environment, 30 June - 3 July 2008, Kefalonia, Greece. (Member of the Scientific Committee).
c9	CEST2007, 10 <sup>th</sup> International Conference on Environmental Science and Technology, 5-7 September 2007, Kos island, Greece. (Member of the Scientific and Programme Committee), <a href="http://www.gnest.org/cest">http://www.gnest.org/cest</a> .
c8	International Conference on Water Resources Management, WRM 2007, organized by IASTED, International Association of Science and Technology for Development, 20-22 August 2007, Honolulu, USA. (Member of the International Programme Committee), <a href="http://www.iasted.org/conferences/home-578.html">http://www.iasted.org/conferences/home-578.html</a> .
c7	International Symposium on Nanomanufacturing, ISNM 2006, 1-3 November 2006, Cambridge, MA. (Member of the Technical Committee), <a href="http://www.isnm2006.org/">http://www.isnm2006.org/</a> .
c6	IWA Specialty Conference, 1 <sup>st</sup> International Symposium on Water and Wastewater Technologies in Ancient Civilizations, 28-30 October 2006, Heraklion, Crete, Greece. (Member of the Organizing Committee), <a href="http://www.nagref.gr/symposium/index.htm">http://www.nagref.gr/symposium/index.htm</a> .
c5	International Conference on Environmentally Sound Technology in Water Resources Management organized by IASTED, International Association of Science and Technology for Development, 11-13 September 2006, Gabarone, Botswana. (Member of the International Programme Committee), <a href="http://www.iasted.org/conferences/2006/Botswana/c515.html">http://www.iasted.org/conferences/2006/Botswana/c515.html</a> .
c4	First European Conference on Environmental Applications of Advanced Oxidation Processes (AOPs), 7-9 September 2006, Chania, Crete, Greece. (Member of the Scientific Committee, Session Chair), <a href="http://www.enveng.tuc.gr/conf/eaop.html">http://www.enveng.tuc.gr/conf/eaop.html</a> .
c3	WaT3R, MEDA WATER International Conference on Sustainable Water Management, Rational Water Use, Wastewater Treatment and Reuse, 8-10 June 2006, Marrakech, Morocco. (Member of

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the Scientific and Organizing Committee, Chairwoman in 2 Sessions), <http://www.virtualis-net.com/medawater/submission.html>.

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c2 3<sup>rd</sup> International Symposium on Nanomanufacturing, ISNM 2005, 3-5 November 2005, Limassol, Cyprus. (Member of the Technical Programme Committee), [http://www.isnm2005.org/EN/nanomanufacturing\\_isnm\\_2005.html](http://www.isnm2005.org/EN/nanomanufacturing_isnm_2005.html).

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c1 First International Conference on Sustainable Wastewater Treatment and Reuse in the Mediterranean Countries: SUWTR2005, 15-16 September 2005, Nicosia, Cyprus. (Member of the Scientific and Organizing Committee).

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#### 4. MEMBER OF JOURNAL/BOOK SERIES EDITORIAL BOARDS / EDITOR

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**Executive Editor:** Journal of Environmental Chemical Engineering, Elsevier, <http://www.journals.elsevier.com/journal-of-environmental-chemical-engineering>, since September 2022.

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**Editorial Board Member:** Water Emerging Contaminants & Nanoplastics, OAE Publishing Inc., <https://oaepublish.com/wecn>, March 2022 - March 2024.

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**Editorial Board Member:** Current Opinion in Chemical Engineering, Elsevier, <https://www.journals.elsevier.com/current-opinion-in-chemical-engineering>, October 2021 - October 2024.

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**Section Editor:** Water and wastewater treatment, PLOS Water, PLOS, <https://journals.plos.org/water/s/editorial-board#loc-section-editors>, since July 2021.

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**Editorial Board Member:** Case Studies in Chemical and Environmental Engineering, Elsevier, <https://www.journals.elsevier.com/case-studies-in-chemical-and-environmental-engineering>, since February 2021.

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**Editor:** Water Research, Elsevier, <https://www.journals.elsevier.com/water-research>, since October 2022.

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**Associate Editor:** Water Research, Elsevier, <https://www.journals.elsevier.com/water-research>, June 2020 - September 2022.

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**Editorial Board Member:** Current Opinion in Environmental Science & Health, Elsevier, <https://www.journals.elsevier.com/current-opinion-in-environmental-science-and-health>, since February 2018.

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**Editor-in-Chief:** Journal of Environmental Chemical Engineering, Elsevier, <http://www.journals.elsevier.com/journal-of-environmental-chemical-engineering>, since its establishment in 2012 and until September 2022.

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**Editor:** Water Science and Technology: Water Supply, IWA, August 2009 - January 2013.

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**Editor:** Water Science and Technology, IWA, August 2009 - January 2013.

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**Editor:** Water Practice and Technology, IWA, August 2009 - January 2013.

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**Editorial Board and Manuscript Editor:** Desalination and Water Treatment, Taylor & Francis, since its establishment (January 2009).

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#### 5. ACADEMIC AND PROFESSIONAL COMMITTEES / NETWORKS / ORGANIZATIONS

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##### International/European Organizations/Networks/Campaigns

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Global AMR R&D Hub Dynamic Dashboard, expert consultation group member, Dec. 2019-April 2021.

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Global Panel on Chemical Pollution of the Environment (GPCPE), An initiative of the French National Water Academy created by the French Ministry of the Environment, invited member, since January 2019.

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Cyprus National Representative in the European Commission FP7 Programme for “Environment including Climate Change”, 2011-2013.

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COST, European Cooperation in the field of Scientific and Technical Research, Earth System Science and Environmental Management, ESSEM Domain Committee Member, National Expert, 2006-2015.

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Norman (Emerging environmental pollutants) Network National Focal Point, appointed in May 2008. Participation in the Pan-European survey for the occurrence of selected polar organic persistent pollutants in ground water (2009) and in wastewater (2010), and for the occurrence of illicit drugs in wastewater (2013-2021).

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The International Water Association (IWA), member (membership ID: 1613632).

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### **National Committees**

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Member of the National Council of Agricultural Research and Development, June 2010-November 2016.

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Member of the National Committee 'Environment and Health of Children', 2007-2010.

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Member of the Cypriot National Eco-Label Committee, 2004-2016.

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Member of the National Technical Committee of Environmental Impact Assessment coordinated by the Ministry of Agriculture, Natural Resources and Environment, 2003-2005.

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Member of the National Technical Committee of Strategic Environmental Assessment coordinated by the Ministry of Agriculture, Natural Resources and Environment, 2013-2014.

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Founding member and member of the Administrative Council of the Association of Environmental Scientists and Engineers of Cyprus, 2005-2007.

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### **University of Cyprus**

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Member of the Seminars Committee of the Civil and Environmental Engineering Department of UCY, January 2022-ongoing.

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Member of the Research Promotion Committee of the Civil and Environmental Engineering Department of UCY, January 2022-ongoing.

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Member of the School's Committee "Women in Engineering", April 2021-ongoing.

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Participation in the Mentors Network of the CyCE Acceleration Program, Centre for Entrepreneurship (C4E) of UCY, 2020.

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Member of the COVID-19 Management Committee of UCY, 2020.

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Member of the Evaluation Committee for the "Ernst & Young Prize" awarded in the memory of Christias Rossidou-Soteriou to an undergraduate/postgraduate female student of the University of Cyprus, Nicosia, Cyprus, 2019, 2020, 2021, 2022 and to Ph.D. students by Athanassios Ktorides Foundation in 2011.

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Head of the Evaluation Committee of the Civil and Environmental Engineering Department of UCY for hiring a Lecturer or an Assistant Professor in "Environmental Biotechnology", November 2018.

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Member of the Evaluation Committee of the Civil and Environmental Engineering Department of UCY for hiring a Lecturer or an Assistant Professor on "Water Resources Engineering - Hydraulics - Hydrology", 1-2 September 2016 and 17 November 2017.

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Member of the Evaluation Committee of the Civil and Environmental Engineering Department of UCY for the promotion of a Lecturer to Assistant Professor, 30 April 2018.

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Member of the Committee of the Civil and Environmental Engineering Department of UCY for Graduate Studies, January 2018-January 2022.

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Head of the Committee of the Civil and Environmental Engineering Department of UCY for Graduate Studies, May 2016-January 2018.

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Representative of the Civil and Environmental Engineering Department for International Relations, 2007-2017.

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Member of the Committee of the Civil and Environmental Engineering Department of UCY for Undergraduate Studies, 2013-2015.

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Member of the School Council: 2004-2007, 2009, Sept. 2019-Aug. 2022.

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UCY Senate Committee, Public Relations, 2007-2009.

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UCY Senate Committee, Rules and Regulations, 2003-2006.

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Member of the UCY ad-hoc Committee for Environmental Issues, 2007-2009.

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Representative of the Civil and Environmental Engineering Department of UCY in the Socrates-Erasmus Programme, 2005-2007. Coordinator of the Erasmus Activities of the Department: 2007-2009.

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Head of the Committee of the Civil and Environmental Engineering Department of UCY for Undergraduate Studies, 2007-2009.

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Member of the Committee of the Civil and Environmental Engineering Department of UCY for Graduate Studies, 2005-2007, 2009-2013.

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## **6. DEVELOPMENT OF BILATERAL COLLABORATION AGREEMENTS AND PROTOCOLS**

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UCY - Universidad de Cartagena, Universidad Technologica de Pereira and Universidad Antonio Nariño, Colombia

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UCY- Al-Farabi Kazakh National University, Kazakhstan

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UCY- Ahmed Yasawi International Kazakh-Turkish University, Kazakhstan

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UCY- Sh. Ualikhanov Kokshetau State University, Kazakhstan

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UCY- School of Engineering- State General laboratory of Cyprus, Cyprus

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UCY- Meteorological Service, Cyprus (together with Prof. S. Kassinos)

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UCY- Ministry of Agriculture, Natural Resources and Environment, Cyprus

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UCY- Ministry of Labor and Social Insurance, Cyprus

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UCY- Universita degli Studi di Salerno, Italy

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UCY- Universita degli Studi di Napoli Federico II, Italy

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UCY-Universidade Catolica Portuguesa, Portugal

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## **7. REVIEWER – INTERNATIONAL JOURNALS, CONFERENCES**

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### **Journals**

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<sup>R75</sup> Current Opinion in Environmental Science & Health, by invitation, Dr. P. Roccaro, Guest Editor.

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<sup>R74</sup> Environmental Microbiology and Environmental Microbiology Reports, by invitation, Dr. J. Gilbert, Editor.

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<sup>R73</sup> Sustainable Production and Consumption, Official Journal of the European Federation of Chemical Engineering Part E, by invitation, Prof. A. Azapagic, Editor-in-Chief.

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<sup>R72</sup> Research on Chemical Intermediates (RINT), by invitation, Prof. J. Zhang, member of the Editorial Board.

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<sup>R71</sup> The International Journal of Life Cycle Assessment, by invitation, Dr. N. Jungbluth, Submission Editor.

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<sup>R70</sup> Environmental Chemistry Letters, by invitation, Dr. S. Malato, Associate Editor.

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R69	Antibiotics, by invitation, Dr. A. Zhao, Assistant Editor.
R68	Waste Management and Research, by invitation, Dr. C. Velis, Editor.
R67	Journal of Pharmaceutical and Biomedical Analysis, by invitation, Prof. S. Pinzauti, Editor.
R66	Annals of Agricultural and Environmental Medicine, by invitation, Prof. A. Wojtyła, Editor-in-Chief.
R65	International Journal of Chemical Kinetics, by invitation, Dr. R. Huie, Associate Editor.
R64	Chirality, by invitation, Prof. J. Caldwell, Executive Editor.
R63	Chemical Engineering Communications, by invitation, Dr. W. Gill, Editorial Office.
R62	Water Environment Research, by invitation, Dr. E. Khan, Associate Editor.
R61	Ecological Engineering, by invitation, Dr. W. J. Mitsch, Editor-in-Chief.
R60	Photochemical and Photobiological Sciences, by invitation, Prof. F. De Schryver, Editor-in-Chief.
R59	Bioprocess and Biosystems Engineering, by invitation, Prof. D. Weuster-Botz, Editor-in-Chief.
R58	Waste and Biomass Valorization, by invitation, Prof. P. Jaffe, Associate Editor.
R57	Journal of Environmental Science and Technology, by invitation, Dr. Ta Yeong Wu, Associate Editor.
R56	Chemical Engineering and Processing: Process Intensification, by invitation, Prof. G. Wild, Editor.
R55	CLEAN - Soil, Air, Water, by invitation, Prof. R. Kreuzig, Editor.
R54	Biotechnologies Advances, by invitation, Prof. M. Butler, Editor.
R53	Land Use Policy, by invitation, Prof. G. Robinson, Editor.
R52	International Journal of Environment and Pollution, by invitation, J. Esmejarda, Submissions Manager.
R51	Industrial & Engineering Chemistry Research, by invitation, S. D. Alexandratos, Associate Editor.
R50	Reaction Kinetics, Mechanisms and Catalysis, by invitation, Dr. I. Fábíán, Editor-in-Chief.
R49	Chemical papers, by invitation, Dr. J. R. G. Velasco, Associate Editor.
R48	Environment International, by invitation, Prof. J. L. Domingo, Editor.
R47	Applied Catalysis B: Environmental, by invitation, Prof. X. Verykios, Editor.
R46	International Journal of Environmental Analytical Chemistry, by invitation, Prof. J. Albaiges, Editor.
R45	Environmental Science and Technology, by invitation, Dr. M. Scherer, Associate Editor.
R44	Central European Journal of Chemistry, by invitation, Dr. C. K. Zacharis, Editor.
R43	Environmental Science and Pollution Research, by invitation, Dr. P. Garrigues and Dr. H. Wang, Editors.
R42	Journal of Environmental Monitoring, by invitation, Editorial Office.
R41	Analytical and Bioanalytical Chemistry, by invitation, Dr. A Müller-Dennhof, Editorial Office.
R40	Chemistry and Ecology, by invitation, Prof. R. Danovaro, Editor in Chief.
R39	Ecotoxicology and Environmental Safety, by invitation, Dr. H. E. Allen, Associate Editor.

R38	Journal of Water and Health, by invitation, Dr. C. Gerba, Editor.
R37	Environmental Science and Policy, by invitation, Dr. J. C. Briden, Editor in Chief.
R36	Polish Journal of Environmental Studies, by invitation, Dr. I. Grabowska, Editorial Board.
R35	Journal of Photochemistry and Photobiology A: Chemistry, by invitation, Dr. M. Martin, Regional Editor.
R34	Environment, Development and Sustainability, by invitation, Prof. L. Hens, Editor in Chief.
R33	International Journal of Chemical Reactor Engineering, by invitation, Dr. H. de Lasa, Editor.
R32	River Research and Applications, by invitation, Prof. G. Petts, Editor-in-Chief.
R31	Desalination and Water Treatment, by invitation, Dr. M. Balaban, Editor.
R30	Separation Science and Technology, by invitation, Prof. A. I. Zouboulis, Editorial Board and Dr. S. Cramer, Editor.
R29	Analytical Letters, by invitation, Dr. D. Butcher, Editor in Chief.
R28	Water, Air and Soil Pollution, by invitation, Prof. J. T. Trevors, Editor in Chief.
R27	Chemical Engineering Journal, by invitation, Dr. L. Weatherley, Editor.
R26	Environmental Pollution, by invitation, Dr. W. J. Manning, Editor-in-Chief.
R25	Water Science and Technology, by invitation, Dr. D. Sun, Associate Editor.
R24	Archives of Environmental Contamination and Toxicology, by invitation, Dr. D. R. Doerge, Editor.
R23	Journal of Separation Science, by invitation, Prof. F. Svec, Editor.
R22	Catalysis Today, by invitation, Dr. J. Ross, Editor.
R21	Environmental Technology, by invitation, Dr. J. Oleszkiewicz, Editorial Office.
R20	Water Research, by invitation, Dr. D. Nixon, Editor.
R19	Int. J. of Environmental Engineering, by invitation, Dr. P. Kajitvichyanukul, Editor.
R18	Water Resources Management, Springer, by invitation, Prof. G. P. Tsakiris, Editor-in-Chief.
R17	Journal of Advanced Oxidation Technologies, by invitation, Prof. D. Dionysiou, Editor.
R16	Environmental Engineering Science, by invitation, Prof. J. Stegemann, Editor.
R15	Trends in Analytical Chemistry, by invitation, Dr. S. Gorog, Contributing Editor.
R14	Chemosphere, Elsevier, by invitation, Dr. M. Schouten, Journal Manager on behalf of Michael Oehme, Prof. Dr. Sc. Techn, Editor.
R13	Journal of Chromatography A, by invitation, Dr. C. F. Poole, Editor.
R12	Journal of Chemical Technology and Biotechnology Society of Chemical Industry, by invitation, Prof. D. Mantzavinos, Associate Editor.
R11	The Environmentalist, by invitation, Dr. P.G. Kevan, Co-Editor-in-Chief.
R10	Journal of Hazardous Materials, by invitation, Profs. I. Poullos, D. Mantzavinos, Guest Co-editors, Prof. G. Lyberatos, Prof. M. Fingas, Dr. W. Choi, Dr. A. Daugulis - Editors.
R9	Waste Management, by invitation, Dr. L. Eggerth, Managing Editor.
R8	International Journal of Environmental Technology and Management, by invitation, Dr. M. A. Dorgham, Editor.

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- R7 Journal of Environmental Monitoring and Assessment, by invitation, Dr. G. B. Wiersma, Editor.
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- R6 Journal of Environmental Management, by invitation, Dr. A. L. Gill, Editor.
- 
- R5 Desalination, by invitation, Dr. S. Meric, Guest Editor and Dr. M. Balaban, Editor.
- 
- R4 Fresenius Environmental Bulletin, by invitation, Dr. R. Haas.
- 
- R3 Science of the Total Environment, by invitation, Dr. M. Livingston, Assistant Editor.
- 
- R2 Environmental Geochemistry and Health, by invitation, Dr. A. Simon, Editorial Office.
- 
- R1 Journal of Chemical Technology and Biotechnology, by invitation, Dr. K. Wilson, Editorial Assistant.
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## Conferences

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- R19 3<sup>rd</sup> IWA International Conference on Disinfection and DBPs 2022, 27 June-1 July 2022, Milan, Italy.
- 
- R18 12<sup>th</sup> Micropol & Ecohazard Conference, 6-10 June 2022, Santiago de Compostela, Spain.
- 
- R17 Testing the Waters 5, 28 September-1 October 2021, Brisbane, Queensland, Australia.
- 
- R16 CEST2019, 16<sup>th</sup> International Conference on Environmental Science and Technology, Rhodes, Greece, 4-7 September 2019.
- 
- R15 16<sup>th</sup> IWA Leading Edge Conference on Water and Wastewater Technologies, Edinburg, United Kingdom, 10-14 June 2019.
- 
- R14 International Conference on "Challenges and Solutions related to Xenobiotics and Antimicrobial Resistance in the Framework of Urban Wastewater Reuse: Towards a Blue Circle Society (XENOWAC II)", Limassol, Cyprus, 10-12 October 2018.
- 
- R13 D. Fatta-Kassinos and N. Kreuzinger: "Towards a blue circle society: Considerations related to the contaminants of emerging concern", 10<sup>th</sup> International Water Association (IWA) Micropol & Ecohazard Conference, Young Water Professionals day, BOKU University in Vienna, Vienna, Austria, 17-20 September 2017.
- 
- R12 CEST2017, 15<sup>th</sup> International Conference on Environmental Science and Technology (CEST2017), Rhodes, Greece, 31 August-2 September 2017.
- 
- R11 SETAC Europe 25<sup>th</sup> Annual Meeting: Environmental protection in a multi-stressed world: challenges for science, industry and regulators, Barcelona, Spain, 3-7 May 2015.
- 
- R10 XI<sup>th</sup> European Congress on Catalysis, Lyon, France, 1-6 September 2013.
- 
- R9 8<sup>th</sup> IWA World Water Congress and Exhibition, Busan, Korea, 16-21 September 2012.
- 
- R8 2<sup>nd</sup> IWA Development Congress and Exhibition, Kuala Lumpur, Malaysia, 21-24 November 2011.
- 
- R7 IWA 10<sup>th</sup> Specialized conference on small water and wastewater treatment systems - 4<sup>th</sup> Specialized conference on decentralized water and wastewater international network - 3<sup>rd</sup> Specialized conference on resources-oriented sanitation, Venice, Italy, April 18-22, 2011.
- 
- R6 7<sup>th</sup> IWA World Water Congress and Exhibition, Montréal, Canada, 19-24, September 2010.
- 
- R5 CEST2009, 11<sup>th</sup> Biennial Conference on Environmental Science and Technology (CEST 2009) in Chania, Crete, Greece, 3-5 September 2009.
- 
- R4 4<sup>th</sup> IWA World Water Congress and Exhibition, Marrakech, Morocco, 19-24 September 2004.
- 
- R3 International Conference on Environmentally Sound Technology in Water Resources Management organised by IAESTE, International Association of Science and Technology for Development, Gabarone, Botswana, 11-13 September 2006.
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R2 WaT3R, MEDA WATER International Conference on Sustainable Water Management, Rational Water Use, Wastewater Treatment and Reuse, Marrakech, Morocco, 8-10 June 2006.

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R1 First International Conference on Sustainable Wastewater Treatment and Reuse in the Mediterranean Countries: SUWTR2005, Nicosia, Cyprus, 15-16 September 2005.

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## 8. EVALUATOR – Universities’ Ranking – Promotions

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Evaluation of scientific profiles for promotions in various European and Middle East Universities and Research Organisations.

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Ministry of Education, Research, Youth and Sports

Executive Unit for Financing Higher Education, Research, Development and Innovation, Romania, 2011.

Participation as an international expert in the panel of Environmental Science and Engineering for the project POSDDRU/5/1/5.S/2 Id 4141 “Doctorate in Universities of Excellence-Research Assessment and Support for Scientific Publishing”, (Research Assessment Exercise).

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## 9. ADVISORY BOARDS / CONTRIBUTION TO POLICY DEVELOPMENT AND EU ACTIVITIES / ANALYTICAL SERVICES

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### ADVISORY BOARDS OF PROJECTS

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AB4 **Member of the Advisory Board** of the SLURP project "SLudge Recovery in agriculture: environment and health Protection", (Project Coordinator: Prof. Giorgio Bertanza, Università delgi Studi di Brescia), funded by the Italian government, May 2021 - ongoing.

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AB3 **Member of the Advisory Board** of the PREMIER project "Prioritisation and risk evaluation of medicines in the environment" (Grant Agreement No 875508), (Project Coordinator: Prof. Ad M. J. Ragas, Radboud University Nijmegen, Project Leader: Dr. Jason Snape, AstraZeneca), funded by the Innovative Medicines Initiative 2 Joint Undertaking (European Commission (H2020) and European Federation of Pharmaceutical Industries and Associations, EFPIA), September 2020 - ongoing.

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AB2 **Member of the Advisory Board** of the AQUALITY project "Interdisciplinary cross-sectoral approach to effectively address the removal of contaminants of emerging concern from water" (H2020-MSCA-ITN/765860), (Project Coordinator: Prof. Paola Calza, Università degli Studi di Torino), funded by the European Commission (H2020), September 2017 - ongoing.

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AB1 **Member of the Advisory Board** of the project "Human and Ecological Health Impacts Associated with Water Reuse: Engineered Systems for Removing Priority Emerging Contaminants (ID 2015SC101G)", (Project Coordinator: Prof. Susan Richardson, University of South Carolina), funded by USGS-National Institute of Water Resources, 2015 - 2019.

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### CONTRIBUTION TO POLICY DEVELOPMENT AND EU ACTIVITIES

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P6 Isochronous stability study of SARs-CoV-2 genes in WWTP influent samples, European Commission, (Partner, Nireas-IWRC Principal Investigator) September 2021-November 2021.

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P5 SARS-CoV-2 Surveillance employing Sewers, European Union’s Umbrella Study, Member of the Core Group, 2020-ongoing.

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P4 Member of the 5-member Committee for the DG RTD - Directorate-General for Research and Innovation Initiative for P4P (Projects for Policy), European Commission, November 2017.

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P3 Participation in the Second Tripartite Meeting of the Presidents of the Cyprus-Greece-Israel Parliaments, House of Representatives, Nicosia, Cyprus, 2 November 2017.

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P2 Contribution to the preparation of the position paper on "Wastewater reuse and implications for future standardization", CEN: European Committee for Standardization, SABE: Strategic Advisory Body of Environment, Brussels, March-October 2014.

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- <sup>p1</sup> Contribution to "Water Reuse in Europe, Relevant guidelines, needs for and barriers to innovation, A synoptic overview", by Laura Alcalde Sanz and Bernd Manfred Gawlik, European Commission, 2014.
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#### **ANALYTICAL SERVICES (provided by the research team of Nireas-IWRC, under my supervision)**

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- <sup>s4</sup> Joint Research Center, European Commission: "Isochronous stability study of SARS-CoV-2 in urban sewage", August 2021-September 2021.
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- <sup>s3</sup> Sewerage Board of Limassol-Amathus: "Monitoring of SARS-CoV-2 in the influents of the wastewater treatment plant of Limassol, Cyprus", December 2020-April 2021.
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- <sup>s2</sup> Cyprus National Addictions Authority: "Monitoring and wastewater-based epidemiology of illegal drugs in the influents of wastewater treatment plants of Cyprus", 2018, 2019, 2020.
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- <sup>s1</sup> Cyprus Water Development Department: "Monitoring of xenobiotic substances in the aquifer CY-9 Akrotiri during its enrichment with recycled water from the wastewater treatment plant in Limassol", 2016, 2017.
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#### **PART IV: OUTREACH ACTIVITIES**

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One of the three judges of the Science Communication competition "Science Unfold 2023", organized by The Cyprus Research and Innovation Foundation within the context of the "European Researchers' Night 2023" in Cyprus, 29<sup>th</sup> September 2023.

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Production of a theatrical performance "A voyage in the blue cycle" based on the book developed by Despo Fatta-Kassinou, Antonis Papatheodoulou and Iris Samartzi "The Secret Handbook of the Blue Circle", together with Water Board of Nicosia and Water Development Department, April 2023.

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Development of a YouTube video story based on the educational book developed by Despo Fatta-Kassinou, Antonis Papatheodoulou and Iris Samartzi "The Secret Handbook of the Blue Circle", March 2021, (<https://www.youtube.com/watch?v=qco1QCeh5Kg>) in collaboration with Top Kinisis and Papadopoulos Publishing, (Actors: Maria Terzaki and Christos Christopoulos). The video was used by more than 1000 elementary schools in Cyprus and Greece during the World Water Day 2021.

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Production of a theatrical performance "A voyage in the blue cycle" based on the book developed by Despo Fatta-Kassinou, Antonis Papatheodoulou and Iris Samartzi "The Secret Handbook of the Blue Circle", together with the Cyprus Research and Innovation Foundation, September 2019.

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Publication of the book "The Secret Handbook of the Blue Circle" in English language by IWAP, ISBN: 9781789061086 (Paperback), ISBN: 9781789061093 (eBook), ISBN: 9781789061109 (ePub).

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Development of an educational book for children: A. Papatheodoulou, I. Samartzi, 2018. "The Secret Handbook of the Blue Circle", Papadopoulos publishing, ISBN: 978-960-569-902-4. (Greek Language).

*The book was awarded **first place** in the Public Awards 2019 (Greece, <https://www.publicbookawards.gr/2019/index.php>) under the category "Greek Children's Literature" and **second place** in the Anagnostis Awards 2019 (Greece, <https://www.oanagnostis.gr/>) under the category "Educational Books".*

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"Science Slam" Competition, organized in the framework of the XENOWAC II Conference, "Challenges and Solutions related to Xenobiotics and Antimicrobial Resistance in the Framework of Urban Wastewater Reuse: Towards a Blue Circle Society", October 12, 2018, Limassol, Cyprus. (Host and Organizer).

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"Solar-driven Fenton treatment for the removal of antibiotic-related microcontaminants in urban wastewater effluents", Stockholm Junior Water Prize, 2017, (Lykeio Apostolon Petrou kai Pavlou, Limassol) (**Praise - awarded by the National Evaluation Committee of Stockholm Junior Water Prize**) (<http://www.siwi.org/prizes/stockholmjuniorwaterprize/>).

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"Solar-driven Fenton treatment for the removal of antibiotic-related microcontaminants in urban wastewater effluents", Cyprus Contest for Young Scientists, 2016, (Lykeio Apostolon Petrou kai Pavlou, Limassol), (**First Prize - awarded by the National Evaluation Committee of the Cyprus Contest for Young Scientists**) (<http://eucys2016.eu/about/>).

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"Photooxidation treatment of wastewater - An assay on the treatment method and resulting phytotoxicity (or lack thereof) of the treated wastewater for re-use in agricultural, irrigation", Stockholm Junior Water Prize, 2016, (The American International School in Cyprus, Nicosia), (**Second Prize - awarded by the National Evaluation Committee of Stockholm Junior Water Prize**) (<http://www.siwi.org/prizes/stockholmjuniorwaterprize/>).

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"A novel advanced treatment for the removal of xenobiotics from wastewater", Stockholm Junior Water Prize, 2014, (Lykeio Apostolon Petrou & Pavlou, Limassol), (**First Prize - awarded by the National Evaluation Committee of Stockholm Junior Water Prize**) (<http://www.siwi.org/prizes/stockholmjuniorwaterprize/>).

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Member of the national Evaluation Committee of "Stockholm Junior Water Prize" international competition, organized by the Water Museum Limassol Water Board, Limassol, Cyprus, 2015, 2018.

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"Urban wastewater treatment using solar technology", Research Promotion Foundation of Cyprus, KOULTOURA/MERA/1113, (Experienced Researcher, Lykeio - Technical School Polis Chrysochous), 2013-2014.

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"Café Scientifique" talk entitled "Unknown pollutants in water and our lives", organized by the Research Promotion Foundation in the framework of the "Research and Innovation Week", Larnaka, Cyprus, 25 September 2013.

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Member of the National Evaluation Committee of "S-Factor 2013", organized by the Research Promotion Foundation in the framework of the "Research Night", Nicosia, Cyprus, 27 September 2013.

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Member of the National Evaluation Committee of the "FAMELAB", Nicosia, Cyprus, 2013.

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"Invasion of endocrine disrupting compounds in humans and the environment", Research Promotion Foundation of Cyprus, KOULTOURA/MERA/1010/45, (Experienced Researcher, Laniteio Lyceum), 2010-2011, (**Second Prize - awarded by the Cyprus Research Promotion Foundation**).

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