



PHILIPS UNIVERSITY

ELENI GRILLA

Lecturer



Academic Personnel Short Profile / Short CV

University:	PHILIPS UNIVERSITY
Surname:	GRILLA
Name:	ELENI
Rank/Position:	Lecturer
School:	Education and Sciences
Department:	Social and Behavioural Sciences
Scientific Domain: *	Waste Management

** Field of Specialization*

Academic qualifications (list by highest qualification)

Qualification	Year	Awarding Institution	Department	Thesis title (Optional Entry)
Doctoral Diploma	2021	University of Patras	Chemical Engineering	New catalytic and photocatalytic materials for the degradation of pollutants in the aqueous environment
Master Diploma	2016	University of Patras	Chemical Engineering	Solar photocatalytic degradation of sulfamethoxazole with the use of Ag ₃ PO ₄ as photocatalyst
Bachelor Diploma	2014	Technical University of Crete	Environmental Engineering	Selection of optimal polyelectrolyte dosage to improve sludge dewaterability



Employment history in Academic Institutions/Research Centers – List by the three (3) most recent

Period of employment		Employer	Location	Position
From	To			
03/2019	06/2019	ELKE UNIVERSITY OF PATRAS	PATRAS, GREECE	Teaching Assistant
09/2017	01/2018	ELKE UNIVERSITY OF PATRAS	PATRAS, GREECE	Teaching Assistant
03/2017	06/2017	ELKE UNIVERSITY OF PATRAS	PATRAS, GREECE	Teaching Assistant

Key refereed journal papers, monographs, books, conference publications etc. List the five (5) more recent and other five (5) selected –(max total 10)

Ref. Number	Year	Title	Other authors	Journal and Publisher / Conference	Vol.	Pages
1	2022	Solar light induced photocatalytic degradation of sufamethoxazole by ZnWO ₄ /CNNs nanocomposites	Faka V., Griniezaki M., Kiriakidis G., Grilla E., Mantzavinos D., Mao S., Shen S., Frontistis Z., Binas V.	Journal of Photochemistry and Photobiology A:Chemistry	432	11410 8
2	2021	Degradation of dexamethasone in water using BDD anodic oxidation and persulfate: reaction kinetics and pathways	Mir Edris Taheri, Kleopatra Miserli, Danae Venieri, Ioannis Konstantinou, Dionissios Mantzavinos	Journal of Chemical Technology and Biotechnology	96	2451- 2460



3	2021	Photocatalytic degradation of valsartan by MoS ₂ /BiOCl heterojunctions	Maria-Nefeli Kagialari, Athanasia Petala, Zacharias Frontistis, Dionissios Mantzavinos	Catalysts	11	650
4	2021	On the industrial symbiosis of alumina and iron/steel production: Suitability of ferroalumina as raw material in iron and steel making	Spyridon Karamoutsos, Theofani V. Tzeveleku, Angeliki Christogerou, Antonios Gypakis, Luis Perez Villarejo, Dionissios Mantzavinos, George N. Angelopoulos	Waste Management & Research		
5	2020	Activation of persulfate by biochar from spent malt rootlets for the degradation of trimethoprim in the presence of inorganic ions	John Vakros, Ioannis K. Konstantinou, Ioannis D. Manariotis, Dionissios Mantzavinos	Journal of Chemical Technology and Biotechnology	95	2348-2358
6	2019	Phase equilibrium measurements and thermodynamic modeling of {CO ₂ + diethyl succinate+cosolvent} systems	Amabelle P. Kloc, Claudia A. Capeletto, Maria Papadaki, Marcos L. Corazza	Fluid Phase Equilibria	502	112-285
7	2019	Degradation of antibiotic trimethoprim by the combined action of sunlight, TiO ₂ and persulfate: A pilot plant study	Vasiliki Matthaïou, Zacharias Frontistis, Isabel Oller, Inmaculada Polo, Sixto Malato, Dionissios Mantzavinos	Catalysis Today	328	216-222
8	2018	Solar photocatalytic abatement of sulfamethoxazole over Ag ₃ PO ₄ /WO ₃ composites	Athanasia Petala, Zacharias Frontistis, Ioannis K. Konstantinou, Dimitris I. Kondarides, Dionissios Mantzavinos	Applied Catalysis B: Environmental	231	73-81



Research Projects. List the five (5) more recent and other five (5) selected (max total 10)				
Ref. Number	Date	Title	Funded by	Project Role*
1	2020-2021	Hybrid Advanced Oxidation Processes for the Removal of Emerging Pollutants from Aqueous Matrices	Operational Programme Human Resources Development, Education and Lifelong Learning 2014-2020	Research Team Member
2	2018-2020	Removal of dyes from wastewater using nanotechnology	ESPA 2014-2020	Research Team Member
3	2020	Integrated process and product design for sustainable biorefineries (IProPBio)- WP1	European Union's Horizon 2020 research and innovation program	Researcher
4	2019	Integrated process and product design for sustainable biorefineries (IProPBio)- WP1	European Union's Horizon 2020 research and innovation program	Researcher
5	2017	Solar photocatalytic abatement of antibiotics with the use of sodium persulfate under solar radiation- A pilot study	European Funded Program- SFERA II	Researcher
6	2017	Study of utilization of red mud in asphalt mixture in collaboration with the construction company Axonas MB ATEBE	Axonas MB, ATEBE, Patras	Researcher

*Project Role: i.e. Scientific/Project Coordinator, Research Team Member, Researcher, Assistant Researcher, other