DEPARTMENT OF CHEMICAL ENGINEERING – UNIVERSITY OF WESTERN MACEDONIA

Name and Surname:	Ioanna Vasiliadou	
Specialization/Position:	Environmental Engineer / Assistant Professor of Physical Process Engineering	
Brief CV:	Ioanna Vassiliadou is an Assistant Professor at the Department of Chemical Engineering of the University of Western Macedonia since May 2023. She is a graduate (2004) from the Department of Environmental and Natural Resources Management of University of Ioannina (Greece) and she obtained a degree equivalent to the Diploma of the Department of Environmental Engineering of the Polytechnic School, University of Patras (Greece). He holds a PhD in Environmental Engineering from the Department of Environmental and Natural Resources Management of the University of Ioannina (2008). She has worked as a researcher and instructor in three countries (Greece, Spain, Italy) and six university institutions. Dr. Vasiliadou has worked at the Civil Engineering Department of the University of Patras (2008-2010), the Materials Science and Engineering and Chemical Engineering Department of the University Carlos III de Madrid, Spain (2011-2012), the Chemical and Environmental Technology Department of the University Rey Juan Carlos de Madrid, Spain (2012-2014, 2017-2018), the Department of Analytical Chemistry, Physical Chemistry and Chemical Engineering at the University of Alcalá, Spain (2017-2018), the Engineering and Architecture Department of the University of Trieste, Italy (2016), and the Departments of Environmental Engineering and Civil Engineering at Democritus University of Thrace (2018-2023). Her research interests are: i) transport of colloids in porous media, ii) waste utilization for sustainable energy production, iii) water and wastewater treatment, iv) bio-electrochemical systems, v) mathematical modeling. She has participated in 10 research programs and has received 5 individual fellowships, from Greek and foreign agencies, for postdoctoral research. Among them, she was awarded as principal researcher with the "MARIE CURIE ACTIONS - Intra European Fellowships (IEF) for career development" and with the International excellence campus SMART ENERGY program (Ministry of Education, Culture and Sport, Spain). Her scientific work includes 44 articles in scientific journals (citations: 1440, h-index: 22), 2 book chapters and 35 announcements in international conferences. She is a reviewer in 40 scientific journals and member of scientific proposal evaluation committees of the National Research Organizations of France, Spain, South Africa and the Netherlands. In 2018, her paper (doi: 10.3389/fenrg.2018. 00107) on bioelectrochemical production of hydrogen with zero CO_2 emissions was nominated at the World Technology Awards (Environment) and won the international Katerva 2020 People's Choice award. She has taught in Engineering Departments of different university institutions (University of Patras, DUTH, UOWM, Carlos III University, Rey Juan Carlos University) in three languages (Greek, English, Spanish). For her teaching at Carlos III University (Spain) which took place in the English language, she received praise based on students' evaluation.	
Selected publications 2018-2023	1. AK Benekos, **IA Vasiliadou***, AG Tekerlekopoulou, S. Pavlou, A. Katsaounis, DV Vayenas, (2023) Groundwater denitrification using a continuous flow mode hybrid system combining a hydrogenotrophic biofilter and an electrooxidation cell, Journal of Environmental Management, 3391 Article number 117914. 2. **IA Vasiliadou***, Th. Ioannidou, M. Anagnostopoulou, A. Polizotou, D. Papoulis, KC Christoforidis* (2022) "Adsorption of anionic dyes on a novel Palygorskite / UiO-66 nanocomposite", Applied Sciences, 7468. 3. A. Spyridonidis, **IA Vasiliadou**, K. Stamatelatou (2022) "Effect of zeolite on the methane production from chicken manure leachate", Sustainability, 14, 2207. 4. **IA Vasiliadou**, JA Melero, R. Molina, D. Puyol, F. Martinez (2020) "Optimization of H2 production through minimization of CO2 emissions by mixed cultures of purple phototrophic bacteria in aqueous samples 5. **IA Vasiliadou**, A. Berná, C. Manchon, JA Melero, F. Martinez, A. Esteve-Nuñe, D. Puyol (2018) "Biological and bioelectrochemical systems for hydrogen production and carbon fixation using purple phototrophic bacteria" Frontiers in Energy Research 6: 107.	

	6. ME De Arana-Sarabia, **IA Vasiliadou***, R. Vitanza, A. Cortesi, V. Gallo (2018) "Mathematical Simulation and Validation of a Wastewater Treatment Plant in Northern Italy", Environmental Engineering Science 35.
Distinctions:	1. Member of scientific proposal evaluation committees of the National Research Organizations of France, Spain, South Africa and the Netherlands. 2. Member of the International award association - Katerva's Expert Panels and the World Technology Network. 3. Member of the Steering Committee and the Advisory Board of Got Energy Talent MSCA-Cofund Program of the University of Alcalá and Rey Juan Carlos University, Spain. 4. Member of the scientific committee at 2 international conferences (INFER 2021, 2022). 5. Guest editor of 5 special issues of scientific journals and Associate editor at Frontiers in Sustainability. 6. Management Committee of the Action COST Fundamentals and applications of purple bacteria biotechnology for resource recovery from waste-PURPLEGAIN-2022