

Dr. Zacharias Frontistis



Dr. Zacharias Frontistis is an Associate Professor specializing in Water and Wastewater Process Engineering at the Department of Chemical Engineering, University of Western Macedonia. He previously served as the chairman of the Department of Environmental Engineering (2018-2019) and the Department of Chemical Engineering (2019-2021) at the same university.

Dr. Frontistis holds a Diploma in Environmental Engineering (2005), a Master's Degree (2007), and a PhD (2011), all from the Technical University of Crete. Before joining the University of Western Macedonia, he worked as a Postdoctoral Researcher at several institutions, including the Department of Civil & Environmental Engineering at the University of Cyprus and the International Water Research Centre NIREAS, the Department of Civil and Environmental Engineering at Namik Kemal University, and the Department of Chemical Engineering at the University of Patras. His research focuses on catalysis for environmental and energy applications, development of new physicochemical processes for water treatment (Advanced Oxidation Processes), combining physicochemical and biological processes for agro-industrial wastewater treatment, and simulating these processes. He has supervised and co-supervised a large number of diploma and postgraduate theses. Dr. Frontistis has a significant publishing record, with **over 130 articles** in high-impact international journals, an **h-index > 40**, and approximately **4,000 citations** according to Scopus. He has also contributed to international conference proceedings more than 60 times, and authored two book chapters on advanced wastewater treatment and reuse. In addition, Dr. Frontistis has reviewed over 1000 papers for more than 60 high-impact scientific journals. He is editor on the journal of Environmental Chemical Engineering, participates on the editorial board of six international journals and has been a guest editor for 11 special issues in his fields of interest. His project participation includes more than 17 research projects, both European and national.