

Prof. Malamis Dimitrios

Dr. Malamis Dimitrios is Professor of Environmental Engineering at the Department of Civil and Environmental Engineering, College of Engineering, Design and Physical Sciences at Brunel University London. He is serving as a Research & Teaching Fellow at the School of Chemical Engineering, NTUA. With a robust background in environmental science and engineering, Dr. Malamis excels in solid waste & wastewater management, technological processes for environmental protection, and environmental quality control. His academic contributions are noteworthy, including 71 publications in prestigious international peer-reviewed scientific journals and 4 publications in book chapters. Additionally, he has actively participated in 121 national and international conferences, presenting research results. Dr. Malamis's scholarly impact is evident through 1,326 citations and an h-index of 23 according to Scopus, reflecting his substantial influence in the academic community. Demonstrating exceptional proficiency in research project development, implementation, and management, Dr. Malamis has played key roles in 50 research programs. He has held positions such as Coordinator, Principal Investigator, Co-Investigator, and WP/Task leader in many of these projects. He also provides consultancy to public and private bodies on pollution and environmental protection counting more than 20 contracts. Moreover, his involvement extends to membership in scientific and organizing committees for over 10 international conferences. Over the last ten years, Dr. Malamis has been in charge of the design and development of a demo biorefinery system at NTUA Technological Park. The demo was gradually developed and supported by a substantial number of EU projects namely CRONUS Horizon Europe, FuelGae Horizon Europe, NEWFEED H2020, LIFE CO2toCH4, WaystUp! H2020, LIFE CIRCforBIO, NoAW H2020, LIFE Waste2Bio, LIFE ATHENS BIOWASTE, LIFE DRYWASTE. The overarching goal of the biorefinery is the valorization of diverse waste biomass streams, aligning with a circularity concept to produce materials, sustainable fuels, and platform chemicals. In addition, Dr. Malamis, in collaboration with NTUA fellow researchers, has been involved in the design and development of circular economy approaches to reduce the negative impacts of brine from process industries and to create economic value from the reuse of its constituents. The technologies have been gradually developed and supported by a substantial number of EU projects namely WAlNUT H2020, WATER-MINING H2020, ZEROBRINE H2020, LIFE BRINE-MINING, LIFE SOL-BRINE.