

Blue Circle Society – Member presentation



Heidemarie Schaar, Dr

Vienna University of Technology, Austria

Current status: Researcher

Field of expertise: biological & advanced wastewater treatment technologies

Key publication: "Micropollutant removal during biological wastewater treatment and a subsequent ozonation step" *Environmental Pollution* 158, 2010, 1399–1404

Keywords: effluent ozonation and activated carbon filtration for CEC-removal



Marlen Vasquez, Dr

Cyprus University of Technology, Cyprus

Current status: Special Teaching Staff/ Researcher

Field of expertise: environmental toxicology

Key project: Development of novel methods for the toxicity assessment of multi-component chemical mixtures to humans and the ecosystem (TOMIXX)

Keywords: mixtures, toxicity testing, effect-based assaying, environmental microbiology, science communication



Irene Michael-Kordatou, Dr.

Nireas-International Water Research Center, University of Cyprus

Current status: Senior Post-Doctoral Researcher

Field of expertise: Advanced biological/chemical oxidation processes for wastewater treatment

Key publication: I. Michael, L. Rizzo, C.S. McArdell, C.M. Manaia, C. Merlin, T. Schwartz, C. Dagot, D. Fatta-Kassinos, "Urban wastewater treatment plants as hotspots for the release of antibiotics in the environment: A review", *Water Research*, 47(3), 2013, 957-995.

Keywords: wastewater treatment, advanced oxidation processes, environmental engineering, antibiotic resistance



Lida Ioannou-Ttofa, Dr

Nireas-International Water Research Center, University of Cyprus, Cyprus

Current status: Post-doctoral fellow/Researcher

Field of expertise: application and assessment of the efficiency of various advanced chemical oxidation processes, biological and membrane processes used for the treatment of urban/agro-industrial wastewater effluents and on the Life Cycle Assessment of these technologies

Key publication: L. Ioannou-Ttofa, S. Foteinis, E. Chatzisyneon, D. Fatta-Kassinos, "The environmental footprint of a membrane bioreactor treatment process through Life Cycle Analysis", *Science of the Total Environment*, 2016, 568, 306-318.

Key project: Advanced systems for the enhancement of the environmental performance of wineries in Cyprus, (WINEC)

Keywords: wastewater treatment, advanced oxidation processes, Life Cycle Assessment