

Blue Circle Society – Member presentation



Bernardino Moreira, Mr

Teagasc, Ireland/National University of Ireland Galway, Ireland

Current status: PhD student

Field of expertise: water microbiology, molecular detection of pathogens

Key publication OR project: Microbiological contamination (and presence/transmission of ARB/ARG) of water used on production and preparation of ready-to-eat fruits and vegetables.

Keywords: microbiology, water microbiology, microbial source tracking, food microbial contamination



Andrea Di Cesare, Dr

National Research Council-ISE-MEG, Italy

Current status: researcher

Field of expertise: molecular microbiology, microbial ecology

Key publication OR project:

“Co-occurrence of integrase 1, antibiotic and heavy metal resistance genes in municipal wastewater treatment plants” *Water Research* 94, 2016, 208-214.

Keywords: antibiotic resistance, heavy metal resistance, virulence, pathogens



Popi Karaolia

Nireas-International Water Research Center, University of Cyprus

Current status: PhD Student

Field of expertise: Advanced Oxidation Processes, environmental microbiology

Key publication OR project: “Investigation of the potential of a Membrane BioReactor followed by solar Fenton oxidation to remove antibiotic-related microcontaminants”, *Chemical Engineering Journal*, [doi:10.1016/j.cej.2016.04.113](https://doi.org/10.1016/j.cej.2016.04.113)

Keywords: Advanced oxidation processes, antibiotic resistance, environmental microbiology, wastewater treatment



Nikolina Udikovic-Kolic, Dr

Rudjer Boskovic Institute, Croatia

Current status: lead researcher

Field of expertise: antibiotic resistance in the environment, biodegradation of environmental organic pollutants

Key publication:

“Bloom of resident antibiotic resistant bacteria in soil following manure fertilization. *P. Natl. Acad. Sci. USA* 111, 2014, 15202-15207.

Keywords: antibiotic resistance, biodegradation, environmental microbiology