

Blue Circle Society – Who we are ...



Serena Caucci

United Nation University UNU-FLORES, Dresden - Germany

Current status: Researcher

Field of expertise: Environmental microbiology, antibiotic resistance, wastewater management

Key project: Safe Use of Wastewater in Agriculture (SUWA)

Key publication: Caucci S., Karkman A., Cacace D., Rybicki M., Timpel P., Voolaid V., Gurke R., Virta M. and Berendonk T.U. *Seasonality of antibiotic prescriptions for outpatients and resistance genes in sewers and wastewater treatment plant outflow*. FEMS Microbiology Ecology, May 2016, 92 (5) fiw060; DOI: 10.1093/femsec/fiw060

Keywords: antibiotic resistance, environmental microbiology, wastewater treatment, water reuse



Cláudia Gomes Silva, Dr

University of Porto, Portugal

Current status: Associate researcher

Field of expertise: Photo-assisted technologies

Key publication: Homogeneous and heterogeneous photo-Fenton degradation of antibiotics using an innovative static mixer photoreactor, Chemical Engineering Journal, 2016, in press, doi: 10.1016/j.cej.2016.04.032

Keywords: photocatalysis, heterogeneous catalysis, materials science



Jérôme Ory

Laboratoire Microorganismes : Génome et Environnement, UMR CNRS 6023, Auvergne University, Clermont-Ferrand, France

Current status: PhD student and Pharmacy Resident

Field of expertise: Microbiology and Infection prevention and control in health care

Key publication: Ciprofloxacin residue and antibiotic-resistant biofilm bacteria in hospital effluent, Environmental Pollution, Volume 214, July 2016, Pages 635–645

Keywords: Biofilm, antibiotic resistance, effluent hospital and wastewater



Aparna Chandrasekar, MSc

Dresden University of Technology, Institute of Groundwater Management, Germany

Current Position: PhD Student

Field of Expertise: Chemical Engineering, Waste water technologies, Reaction Engineering, Modelling

Key Project: Antibiotics and mobile resistance elements in wastewater reuse application: risks and innovative solutions (H2020-MSCA-ITN-2015/675530-ANSWER)

Keywords: process based models, R, HYDRUS, antibiotic resistance bacteria/ genes, groundwater