



Domenico Santoro

Senior Research Scientist at Trojan Technologies and Adjunct Research Professor at the University of Western Ontario (Canada)



Domenico Santoro completed his BSc/MSc in Civil/Environmental Engineering at the University of Rome, La Sapienza (Italy) in 2001 specializing in water and wastewater treatment. Subsequently, he received his Ph.D. in the Department of Environmental Engineering & Sustainability at the Politecnico di Bari (Italy) conducting research on advanced disinfection for wastewater reuse. His Ph.D. dissertation, entitled “Computational Fluid Dynamics (CFD) Modelling of Wastewater Disinfection Processes by Peroxyacetic Acid (PAA)”, paved the way for a broader adoption of PAA as an environmentally friendly disinfectant for municipal water and wastewater treatment. Currently, Dr. Santoro holds a double appointment as Senior Research Scientist at Trojan Technologies (London, ON - Canada) and Adjunct Research Professor in the Department of Chemical and Biochemical Engineering at the University of Western Ontario. His main responsibilities include scientific investigation and development of novel water treatment processes and technologies, with a focus on sieve filtration, disinfection and advanced oxidation for drinking water, wastewater and water reuse applications. Through his recent work, he has expanded his area of interests into resource recovery, more specifically carbon capture and redirection, carbon upgrading via fermentative technologies and optimized treatment schemes for BNR plants. He has also been involved in a number of international research collaborations, in collaboration with international centers of excellence in the USA, Europe, China and Australia.