

Andrea Kirkwood

Associate Professor at University of Ontario Institute of Technology

Oshawa, ON, CA

Aquatic Ecology | Algae | Water Research | Water Quality | Water Pollution | Invasive Species | Environmental Microbiology

Biography

Andrea Kirkwood completed a joint-honours degree in Environment and Resource Studies & Biology (Co-op) at the University of Waterloo, and a Master's degree in Aquatic Ecology at McMaster University. Andrea's Master's work investigated mercury in aquatic foodwebs and the effects of whole-lake fish biomanipulation. Andrea's doctoral work at the University of Toronto focused on the role of cyanobacteria in waste-treatment systems. Postdoctoral work involved diverse research projects on microbial extremophiles (Oklahoma State University) and invasive species (University of Calgary). Currently, Andrea is an Associate Professor in the Faculty of Science at UOIT, where she has established a research program in aquatic ecology and algal biotechnology.

Industry Expertise

Biotechnology, Environmental Services, Research, Renewables and Environmental, Laboratory Services

Areas of Expertise

Aquatic Ecology, Aquatic Invasive Species, Algae, Algal Blooms, blue-green algae, Lake Ecosystems, river ecosystems, Urban Ecosystems, Water Quality, Pollution, environmental microbiology, Biofuels and Combustion Emissions, Great Lakes

Affiliations

Postdoctoral Fellow, University of Calgary (2005 - 2008), Postdoctoral Fellow, Oklahoma State University (2002 - 2004)

Event Appearances

Scientist Table Host

Royal Canadian Institute for Science Gala Dinner

Education

University of Waterloo

Bachelor of Environmental Studies (B.E.S.) (Co-op) Environmental Studies and Biology

McMaster University
Master of Science (M.Sc.) Aquatic Ecology

University of Toronto
Doctor of Philosophy (Ph.D) Environmental Microbiology

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