

PASCALE CHAMPAGNE, Ph.D., P. Eng., D.WRE



EDUCATION

- Ph.D. Environmental Engineering, Carleton University (2001) – Best Student Thesis Award (CGS)
- M.A.Sc. Environmental Engineering, Carleton University (1996) – Senate Medal Recipient
- B.Eng Water Resources Engineering, University of Guelph (1993)
- B. Sc. Marine Biology (Major), Northern Studies (Minor), McGill University (1990)

AREAS OF EXPERTISE

- Developing novel processes for CO₂ sequestration, bioenergy recovery and bio-oil extraction from microalgae integrating environmentally sustainable approaches;
- Identifying and enhancing the role of algae in the treatment of municipal, industrial and agricultural wastewaters as part of low-energy, low carbon footprint systems;
- Optimizing passive wastewater treatment systems as low energy technologies for Canadian climate applications;
- Enhancing the conversion of biomass residuals for the recovery of bioenergy, biofuels and higher value bioproducts;
- Modifying and synthesizing biomass-derived hybrid copolymers using natural polymers (biopolymers) for wastewater treatment application.

EMPLOYMENT

- Professor, Queen’s University Kingston, Ontario Canada
- Department of Civil Engineering and Cross-Appointed to Department of Chemical Engineering
- Tier 2 Canada Research Chair in Bioresources Engineering,

PERSONAL WEBSITE

<http://www.civil.queensu.ca/Research/Environmental/Pascale-Champagne/>
(pascale.champagne@queensu.ca)

AWARDS

- 2014 **The College of New Scholars, Artists and Scientists of the Royal Society of Canada**
- 2012 **Way Memorial Trust Award**
- 2008 **International Water Resources Engineer Diplomate - ASCE**
- 2007 **Early Researcher Award**
- 2005 **Russell Ackoff Award - Best Paper Award**
- 2002 **Petro-Canada Young Innovator Award**

Special Appointments

- Board of Directors Member: Global Institute for Energy, Environment and Sustainability (GIEES). Non-Profit Organization, January 2014 – present
- Advisory Editorial Board: Applied Bioenergy, June 2013 - present
- Editorial Board: Journal of Water Sustainability, January 2013 - present
- Associate Editor: Journal of Hazardous, Toxic, and Radioactive Waste Management, American Society of Civil Engineers (ASCE), January 2007 - present
- Water Research Centre – Advisory Committee, Queen’s University, January 2013 - present