



Dr. Pascale Champagne, P.Eng.

Associate Professor of Civil Engineering

Dr. Pascale Champagne – a leading researcher in environmental engineering is developing a process to extract useable organic materials from waste biomass, such as livestock manure and forestry residue, and convert them into valuable chemicals and sources of energy, like biofuel.

Aiming to develop alternate technologies and sustainable environmental practices, Professor Champagne is also working to engineer better processes for waste management to minimize the impact of municipal, agricultural and industrial activities.

It's cutting-edge research that provides sustainable and economically viable solutions to reduce air, soil and water contamination. Dr. Champagne is finding the connections between streams of waste in one part of a community, and then implementing technologies to turn that waste into something of value for another part.

Dr. Champagne is involved in a staggering number of research projects from the extraction of useable chemicals from residual biomass, to treating municipal and industrial waste water using eco-engineered passive treatment systems, to helping develop kitchen waste digesters to produce cooking fuel in developing countries, she is exploring opportunities that exist all around us.

