



“Ocean, Forest & Field – the Bioenergy Playground”

Biography: Dr. İlhami Yıldız, Dalhousie University

Dr. İlhami Yıldız is a controlled environment systems engineer, and has expertise in energy, environment and sustainability issues, such as bioreactors, environmental biotechnology, microalgae-based biofuels and bioproducts production using liquid and gaseous waste streams, complex systems modeling, air- and ground-source heat pumps, combined heat and power generation, flue gas recovery and greenhouse gas mitigation, hydronic heating and hot water storage systems, and energy and water conservation. He has designed and built a number of environment friendly commercial energy systems transferring extensive research findings to commercial operations in Canada, Mexico, Russia, Turkey, and the United States. One of his milestones includes the Gazprom Headquarters Complex in Moscow (at the time, comprising the tallest building in Russia) executed by GAMA Holding.

Overview: Professor – Engineering, Dalhousie University; Associate Professor - BioResource & Agricultural Engineering, Cal Poly - San Luis Obispo, California; Assistant Professor - Earth & Environmental Sciences, University of Windsor; Ph.D. in Food, Agricultural and Biological Engineering (Ohio State); M.Sc. in Mechanical Engineering (Ohio State); M.Sc. in Agricultural Meteorology (Ohio State); B.Sc. and M.Sc. in Agricultural Engineering (University of Ankara). He has been honoured with the Grand Challenge Award by the U.S. Government (2008); Outstanding Faculty Award at Cal Poly (2008); Presidential Letter of Appreciation at Cal Poly (2008); and Gold Medal Performance Award by the University of Windsor (2004).