

Graduate Research in Using Beneficial Microorganisms from Aquaponic sludge for Plant Pathogen Suppression in Greenhouse Production

Location: School of Environmental Sciences, University of Guelph, Ontario

Aquaponics has been becoming increasingly popular in fish and plant production. Sludge from aquaponics systems is a rich source of plant nutrients, disease suppression and other beneficial microbial communities. We have funding to support a motivated domestic (i.e. **Canadian citizen or permanent resident**) M.Sc. or Ph.D. candidate to work on a collaborative, multi-disciplinary project titled “A novel bio-based method to suppress fungal diseases in greenhouse crops”. This project will study the effects of effluent sludge from an aquaponics system on disease suppression in both greenhouse vegetable and ornamental crop production systems. This work will provide new insights regarding opportunities for biological control of pathogenic species and begin developing new tools for growers to pursue sustainable greenhouse crop production. Most of the research and course work will be conducted at the University of Guelph, the student will also spend time in Quebec with Drs. Grant Vandenberg and Martine Dorais of Université Laval.

Starting Date: September 1, 2015 or as soon as a qualified candidate is found.

Contact: Please call or email for more information about this position. To apply, please provide a letter of interest (2 pages single-spaced), resume, unofficial university academic transcript and contact information for 3 references to:

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