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GRADUATE STUDENT ASSISTANTSHIP (M.Sc.) Value-added Food Processing

Supervision: Dr. Vasantha Rupasinghe, Assistant Professor, Department of Environmental Sciences

Location: Nova Scotia Agricultural College, Truro, NS

Project: This project attempts to use fruit biochemistry and nano-filtration membrane technologies as a part of an integrated and interdisciplinary research project to improve the quality of selected fruit juices. The successful graduate student will characterize the biochemical constituents of new fruit genotypes, study the application of nano-filtration membrane technologies for modulation of selected chemical properties of fruit juice, and investigate biochemical factors leading to the targeted quality attributes. This research initiative is a collaborative effort of the Nova Scotia Agricultural College, the Horticulture Development Center-AAFC (St-Jean-sur-Richelieu, Quebec), the Atlantic Food and Horticulture Research Center, AAFC, (Kentville, Nova Scotia) and the Food Technology Centre (Charlottetown, Prince Edward Island).

Qualifications: Applicants must possess a B.Sc. honours degree in food science, plant biochemistry, agriculture or equivalent, and have a minimum first class GPA (80%, A- or 3.7) in the last two years of undergraduate study. Interest in and knowledge about food science and technology, value-added food processing, fruit biochemistry and/or food analysis would be a strong asset. Strong written and oral communication skills are important.

Stipend: \$16,500 per year for two years

(The successful candidate may also apply for an NSERC-Industrial Postgraduate Scholarship (IPS) valued at \$21,000 per year for two years. While only Canadian citizens and permanent residents are eligible to apply to NSERC scholarship programs, applications for this position will be accepted from all those who have the appropriate qualifications.).

Start Date: Assistantship is available to start immediately. An official start date of January or May 2008 in the M.Sc. program.

To Apply:

For additional information on the research project and to submit the application, please contact: Dr. Vasantha Rupasinghe, Tree Fruit Bio-product Research Program, Department of Environmental Sciences, Nova Scotia Agricultural College, Box 550, Truro, NS B2N 5E3, Canada; e-mail: vrupasinghe@nsac.ca; Phone: +1 902 893 6623

For Graduate Program Information:

For further information about the M.Sc. Program at NSAC contact Jill Rogers at jrogers@nsac.ca or visit the NSAC web site at <http://nsac.ca/research/graduatestudies/>.

The Master of Science program with a specialization in agriculture is offered by the NSAC in conjunction with Dalhousie University.