

## Graduate Student (M.Sc.) Assistantship

### Monitoring of Pharmaceutical and Persistent Organic Pollutants in Soils and Aquatic Systems from the Land – Application of Municipal Biosolids

**Supervision:** Dr. G. W. Price, Innovative Waste Management Research Chair

**Location:** NSAC, Truro, NS

**Project:**

In Canada, as many as 24,000 drugs are approved for use in veterinary medicine and for human consumption, many of which find their way into Canadian soil and aquatic systems annually. A recent survey in the U.S. found as many as 55 out of 87 organic contaminants of concern in many municipal wastewaters. The successful graduate student will develop skills working with state-of-the-art analytical instrumentation, as well as gain technical expertise in environmental management of organic contaminants. This research initiative is a collaborative effort of the Nova Scotia Agricultural College, the Nova Scotia Department of Environment and Labour, and Industry partners.

**Qualifications:** Applicants must possess a B.Sc. honours degree in agriculture, biochemistry, microbiology, soil science, environmental sciences, or a related field. A minimum GPA of 3.0 in the last two years of study is required for admission. Interest in and knowledge of degradation of pharmaceuticals and persistent organic contaminants in the environment would be a strong asset. Strong written and oral communication skills are expected of the successful candidate.

**Stipend:** The successful candidate will be eligible to receive \$16,500 per year for two years. Partial tuition reimbursement may be available for eligible candidates. (A maximum stipend of up to \$21,000 per year for two years may also be available for eligible candidates through the NSERC Industrial Postgraduate Scholarship (IPS) Program.)

**Start Date:** Immediately with a January, May or September 2008 official start date in the M.Sc. program.

**To Apply:**

For additional information on the research and to submit the application, please contact: Dr. G. W. Price, Innovative Waste Management Research Chair, Department of Engineering, Nova Scotia Agricultural College, P.O. Box 550, Truro, NS B2N 5E3, Canada; E-mail: [gprice@nsac.ca](mailto:gprice@nsac.ca); Phone: +1 902 896 2461 or +1 902 890 0559

**For Graduate Program Information:**

For further information about the M.Sc. Program at NSAC contact Marie Law at [mlaw@nsac.ca](mailto:mlaw@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 NSAC in conjunction with Dalhousie University**