

THE SOILED PROFILE



NEWSLETTER DEPARTMENT OF SOIL SCIENCE UNIVERSITY OF MANITOBA “bringing you the latest dirt”



UNIVERSITY
OF MANITOBA

For general inquiries or if you have material to include in the newsletter:

Lynda Closson
University of Manitoba
Room 362 Ellis Bldg
Winnipeg, MB R3T 2N2

Phone: 204 474-8153, Fax: 204 474-7642
Email: lynda.closson@umanitoba.ca
Past issues of the Soiled Profile are on our
webpage: [umanitoba.ca/afs/soil science/](http://umanitoba.ca/afs/soil%20science/)

27 April 2018

Upcoming:

Tuesday, May 1, 8:45 a.m., Room 346 Ellis Bldg – Soil Science annual spring orientation and safety session. It is important for all Soil Science personnel to attend. There are many safety and biosecurity updates that everyone should know about.

8:45 – Sign in.

9:00 – Welcome and Introductions (Paul Bullock)

Office Support and Financial Administration (Lynda Closson, Flor Toribio)

Laboratory Operations and Safety Updates (Rob Ellis)

Field Equipment, Vehicle and Shed Use (Trevor Fraser)

Departmental Social Activities (SSGSA)

10:15 - Coffee / Donuts (10:15)

10:45 - For all Field Workers and new personnel

Pre-Use Vehicle Inspections (Brad Sparling, Trevor Fraser)

Bio Security Sanitation Demonstration: (Trevor Fraser)

For All new personnel:

Tour of Soils Shed (Trevor Fraser)

Lanny and Kelly get ready to put the 2017 Endowment Fund, dedicated, fertilizer weighing cart into service.



Department Staff Away:

Wole Akinremi	Apr 23-May 7
Paul Bullock	Apr 16-27
Mario Tenuta	Apr 15-27

News:

Soil Health Institute Request for Applications

The Soil Health Institutes invites individuals and organizations engaged in long-term (minimum 10-year) agricultural field experiments in the U.S., Canada and Mexico to participate in a coordinated, continental scale evaluation of soil health measurements and their relationships with yield, economics and ecosystem services.

Complete details for the Request for Applications: [click here](#).

Submit data from your long-term agricultural experiment sites: [click here](#).

Paper of the week:

Ross, CA; **Ali, G; Lobb, DA.** 2017. Inferring soil water movement and streamflow response in Canadian Prairie riparian areas using hydrologic state variables. *Hydrological processes* 31(22):3765-3782.

Opportunities:

Senior Crown Contaminated Sites Specialist, BC Ministry of Forests, Lands, Natural Resource Operations and Rural Development, Victoria, Vancouver, or Nanaimo, BC

Salary \$62,983.74 - \$78,666.02 annually

As the Senior Crown Contaminated Sites Specialist, you are a recognized expert in the areas of characterization, assessment and remediation of high risk contaminated sites. Responsible for the management of high risk contaminated sites located on Crown land, you will oversee multi-disciplinary, specialized environmental consultants and contractors on complex remedial projects ranging in value from \$2M to \$100M. You demonstrate critical skills and expertise in contaminated sites, environmental engineering, geosciences, hydrogeology, toxicology, acid rock drainage and metal leaching, and soil science that will be used to assess, recommend and implement appropriate investigation and remedial strategies, and risk management measures to protect public health and the environment.

Qualifications for this role include:

- M.Sc. in engineering or geoscience and three (3) years related experience; OR Bachelors degree in engineering, geoscience or agrology and five (5) years related experience, OR an equivalent combination of education and experience may be considered.
- Full registration, or eligibility for full registration (within 6 months), with the Association of Professional Engineers and Geoscientists of British Columbia or the BC Institute of Agrologists (BCIA).

Related experience must include:

- Professional experience, generally obtained post-registration, ideally in both private and public practice, as a Professional Engineer, Geoscientist or Agrologist in the area of contaminated site investigation, remediation and management.

- Experience with managing multiple complex projects simultaneously, following accepted project management techniques.
- Experience with issues management, negotiation, and strategic problem solving, and providing expertise, and advice in the implementation of solutions to industry clients, internal staff, other agencies, and management.
- Experience providing advice, both written and verbal, to senior management.

For more information and to apply before **May 2, 2018**, please go to:

<https://bcpublicservice.hua.hrsmart.com/hr/ats/Posting/view/49432>.

Regulatory Co-ordinator, Interprovincial Cooperative Limited (IPCO), Winnipeg

Interprovincial Cooperative Limited (IPCO), a respected leader in the Agricultural industry, is currently recruiting for a highly organized and driven individual for their Regulatory Co-ordinator position located in Winnipeg, Manitoba. This challenging role would be best suited for a person with previous experience with computer management systems however all interested applicants are urged to apply. Working under the general direction of the Regulatory and Product Development Manager, the Regulatory Coordinator will coordinate the regulatory requirements for IPCO and member-owner products registered under the Pest Control Products Act (PCPA). This involves submissions to the Pest Management Regulatory Agency regarding new product registrations, product re-evaluations and renewals. Regular PMRA submissions include updates/changes to specifications of product formulations and labels (in both official Canadian languages), new uses for crop protection products, incident reports, sales data, and any other information required under the Pest Control Products Act. Responsible for developing, updating and maintaining agrichemical products for IPCO and member-owners. This includes development of specifications for chemical formulations and packaging materials; as well as creative graphic design needed to produce finished products. Ensure IPCO is compliant with municipal, provincial and federal regulatory and environmental regulations and provide agronomic and regulatory training and technical/agronomic support to IPCO staff, members and end users.

Reporting to the Regulatory and Product Development Manager, responsibilities for this position include the following:

- Register, update and maintain agrichemical products with the Pest Management Regulatory Agency to ensure all IPCO products have enhanced market value for IPCO members. Schedule Eastern Canadian products with the Ontario Pesticides Advisory Committee. Work with IPCO Laboratory to determine formulation and MSDS information. Author bi-lingual product labels. Communicate registration activity/status with IPCO management and members.
- Develop finished end-use, registered products for IPCO and member-owners. Determine product volumes and packaging materials specifications to create Bill of Materials for finished products. Design graphics for labels and packaging materials to ensure compliance with the PCPA.
- Design and manage field development programs to test new and improved crop protection products within pre-determined budget. Author research protocols, select research cooperators, coordinate payments, organize crop tours and analyze research data.
- Provide technical and agronomic guidance information to IPCO staff, IPCO members and end-users in the safe and effective use of IPCO products. Design and develop technical bulletins and advisories. Provide updates to Alberta, Saskatchewan, Manitoba and Ontario crop protection guides.

- Conduct research via literature searches and communication with technical manufacturers and formulators to make recommendations for potential registration of new products, uses and formulations
- Ensure IPCO is compliant with all relevant Federal, Provincial and Municipal regulatory environmental regulations
- Adhere to ISO standards and work with all staff on continuous improvement initiatives. Develop and maintain Standard Operating Procedures (SOP) and ISO forms for the quality procedures of the Product Development and Regulatory department. Conduct internal audits of other departments.
- Other duties as assigned.

Qualifications:

The successful candidate will have an Undergraduate or Master's degree in agricultural/biological/chemical sciences with an emphasis on crop sciences and three years practical experience in crop protection agronomy with a preference for agronomics research and experience in Regulatory Affairs. Working background with Multi National Crop Protection Company would be considered an asset. P.Ag. and/or designations in Crop Science Consulting/Advising would be an asset; WHMIS, proficiency in computer technology is essential. A combination of relevant education and experience may be considered.

IPCO offers a competitive salary, ongoing personal and professional development, and the opportunity to work with one of western Canada's most successful organizations.

Deadline: **Mar 18 2018**. APPLY: 401 22nd Street East, PO Box 1050, Saskatoon SK S7K 0H2, Canada.
Human Resources: careers@fcl.crs

Dr. Karl C. Ivarson Scholarship for graduate students in soil and related sciences

This scholarship was created by Dr. Karl C. Ivarson through a gift to the Canadian Foundation for Food and Agricultural Education. The Dr. Karl C. Ivarson Soil Science Scholarship provides financial support to a student entering the second or subsequent year of graduate studies in soil science (in the areas of agriculture, environment, geology, agro-ecology or other related disciplines) at a Canadian university. Candidates must hold Canadian Citizenship or Permanent Residence status in Canada and be enrolled in their graduate program for at least one semester beyond the application deadline.

One scholarship of \$2,000 will be offered in 2018. Scholarships are awarded on the following criteria:

- Academic achievement
- Areas of study
- Leadership
- Career interests
- References

2018 Application Guidelines and Application Form can be found at <http://cffae.ca/ivarson-soils/>. There is also a link to the award on the Faculty External Awards page <http://umanitoba.ca/faculties/afs/awards/externalawards.html>. Deadline for Application – **May 25, 2018**

Assistant Clinical Professor, Nutrient Management Program Coordinator, Department of Environmental Science and Technology, University of Maryland, College Park, MD

Professional Track faculty position. Oversee the agricultural nutrient management program.

Application deadline: **June 1, 2018** via www.ejobs.umd.edu (posting #103193).

Mitacs Globalink Research Internship

The Mitacs Globalink Research Internship (GRI) is now accepting faculty submissions for Summer 2019. GRI pairs faculty in Canada with international undergrads for 12-week research projects from May to October. All disciplines are eligible. Top-ranked senior undergrads travel from Australia, Brazil, China, France, Germany, India, Mexico, Saudi Arabia, Tunisia, and Ukraine. Faculty can submit multiple projects and re-submit projects from previous years

Submit projects by **June 13, 2018**, at 1 p.m. PT.

More information: [click here](#) or contact helpdesk@mitacs.ca.

Banting Postdoctoral Fellowship 2018-19 competition

More information: <http://banting.fellowships-bourses.gc.ca/en/home-accueil.html>

Application deadline: **September 19, 2018**

Events:

ECO Canada Information Session, May 2, 8:15 a.m., Room 108, St. John's College

8:15 – Doors open

8:30 – Breakfast

8:50 - Presentation

Come learn about federal dollars available to employers across the country that are looking to provide employment opportunities to junior professionals entering into a STEM field that has a positive environmental impact. ECO Canada is currently funded by Environment and Climate Change Canada and Natural Resources Canada, and are looking to create 1700 positions for new grads by February 28, 2019. For each junior professional (individual 30 years of age or younger) that an organization hires, ECO Canada can provide up to \$7,500 in subsidy. New grads from STEM and Environmental programs from the University of Manitoba can benefit greatly from the program by becoming a pre-approved intern and using this pre-approval status to help differentiate themselves in a competitive job market.

SPACE IS LIMITED: Please RSVP via email by Friday **April 27th**, 2018: cs.events@umanitoba.ca.

73rd SWCS International Annual Conference, Jul 29 – Aug 1, 2018, Albuquerque, NM

Applications are now being accepted for the 2018 Soil and Water Conservation Society's (SWCS) International Annual Conference Student Moderator Program. This is a great opportunity for student

members to attend the conference, assist as a breakout session moderator, and participate in a special Student Development Session—registration fees and lodging costs covered! Undergraduate and graduate students are both eligible to apply. The application deadline is **Wednesday, June 6**. Read full program details and apply [here](#).

Conservation Photo Contest: What does “culture, climate, and conservation” look like? Show the places and people that inspire you to work for a sustainable future. Enter the 2018 Photo Contest to share your conservation photos today. The top 12 photos selected by a judging panel will be displayed at the conference in Albuquerque, and attendees will vote to select a People’s Choice Award winner! Entries must be submitted by **Wednesday, June 13**. Learn more and submit at www.swcs.org/18AC.

Soil Health Institute Call for Posters: The Soil Health Institute seeks poster presentation submissions for its 3rd Annual Meeting on August 1-3, 2018, in Albuquerque, New Mexico, following the 73rd SWCS International Annual Conference. Online applications are due **Friday, June 1** by 5:30 PM. For Poster Guidelines and the Application, [click here](#).

Early registration closes June 20. Take advantage of the early bird discount and register today at www.swcs.org/18AC!