

THE SOILED PROFILE



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



UNIVERSITY
OF MANITOBA

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Past issues of the Soiled Profile are on our
webpage: umanitoba.ca/afs/soil_science/

19 May 2017

Upcoming:

Friday, Jun 9, 9:30 a.m., Room 346 Ellis Building – Department of Soil Science, M.Sc. thesis defense, Magdalena Rogalsky. “Phosphorus Beneficial Management Practices for Corn Production in Manitoba”

Department Staff Away:

Brian Amiro May 28-31 (CGU/CSAFM)

News:

Alex Koiter has won an award

Former M.Sc. student, Alex Koiter, completed his Ph.D. at the University of Northern British Columbia. He has been awarded the UNBC Governor General Gold Medal award, as the best graduate student completing his degree in the 2016-2017 academic year. He will receive his award at the UNBC Convocation ceremony at the end of this month. Congratulations!

Welcome to Carmela Cianflone

On Tuesday, May 23, Carmela Cianflone will commence work in the Department of Soil Science as Administrative Assistant. Carmela was previously Program Coordinator - Office of Physician Assistant Studies, Rady Faculty of Health Sciences. She has also worked in the IH Asper School of Business, the University Bookstore, University Audit Services and Ceridian Canada Ltd. Please extend her a warm welcome.

Paper of the week:

Sharpley, A.N., Kleinman, P.J.A., Jarvie, H.P., and **Flaten, D.** 2016. Distant views and local realities: The limits of global assessments to restore the fragmented phosphorus cycle. *Agric. Environ. Lett.* 1:160024 doi:10.2134/aes2016.07.0024

First BBQ of the Season

The appearance of the BBQ last week means it is officially summertime! First-time chefs, Krista and Kate, with coaching from grilling expert, Mario, provided an excellent lunch. Today, the Food Science grad students will fire up the grill. Enjoy!



Opportunities:

Soil Scientist, General Mills, Brookings, SD

General Mills, Inc is seeking a Soil Scientist to conduct an assessment of the soil health impact of soil and crop management practices including crop diversity, cover crops and no-till soil management for a more sustainable agricultural system using the Soil Management Assessment Framework (SMAF) and/or the Comprehensive Assessment of Soil Health (CASH). This position requires the ability to work closely with US Dept of Agriculture, Agricultural Research Service (ARS) scientists in Brookings SD and in the Upper Midwest. This position will utilize select data from long-term experiments to conduct an analysis of diversifying crop rotations to include small grains (oats and wheat), and short season legumes into a more business as usually rotation of corn/soybeans. Additionally, the position will be responsible for designing, implementing, and conducting research on cooperating producer's fields in which transitions to more sustainable management practices will be evaluated over time.

Minimum Qualifications:

- Ph.D. in Soil Sciences
- Training in soil science, environmental chemistry, soil biology and ecology as well as the application of chemical, physical and biological techniques in difficult environmental soil sample matrices. The use of highly technical analytical equipment, and sophisticated data analysis procedures and software.

To apply: <http://careers.generalmills.com/job/7362586/soil-scientist-brookings-sd-brookings-sd/>

Dean of Graduate Studies Student Achievement Award

For Master's & PhD Students - \$1,000 cash prize plus citation certificate

Deadline: **June 30.** [More information.](#)

Vanier Canada Graduate Scholarship - PhD

The Vanier Canada Graduate Scholarship is the most prestigious scholarship in Canada and is valued at \$50,000 per year for three years during doctoral studies (<http://www.vanier.gc.ca>). In an effort to support students interested in applying for this award through the University of Manitoba, and to help units/departments identify competitive applicants, the Faculty of Graduate Studies has prepared an information package (<http://bit.ly/2q9juVr>). This document includes information on timelines, eligibility, application procedures, and selection criteria.

In addition, workshops will be offered in June at the [Fort Garry](#) and [Bannatyne](#) campuses. The aim of these workshops is to strengthen applications by providing an overview of the application and selection process. All interested individuals may attend, including but not limited to, potential applicants (i.e. incoming or current Ph.D. students who will not have completed more than 20 months of doctoral studies as of May 1, 2018), advisors, graduate chairs, support staff, etc.

Please contact the Awards Office (graduate.awards@umanitoba.ca) in the Faculty of Graduate Studies with inquiries.

Mitacs Postdoc Funding, All Disciplines

Mitacs Elevate ([more information](#)) is now accepting applications for two-year postdoctoral funding: \$55,000 annual award (plus \$7,500 per year non-cash value in training). Exclusive, customized professional development training. Long-term collaborative research project with a non-academic partner.

Deadlines: Letter of intent and Conflict of Interest declaration: **June 7, 2017**, at 5 p.m. PDT.

Letters of intent are not required to submit applications. Pre-review of draft applications: June 21, 2017, at 5 p.m. PDT. Application: July 5, 2017, at 1 p.m. PDT. Results announced: November 2017. Projects must start by February 6, 2018.

For questions or more information, please contact elevate@mitacs.ca.

2018 Research Fellowships and Conference Sponsorship – Call for Applications

The Co-operative Research Programme (CRP) of the Organisation for Economic Co-operation and Development (OECD) has opened its call for applications for funding conferences and research fellowship grants in 2018.

Deadline: Sunday, **September 10, 2017** at midnight, Central European Time.

The CRP is open to applicants in any of the countries participating in this OECD program, including Canada. It is intended for scientists who have completed their postdoctoral studies. The CRP supports Research fellowships for selected scientists to conduct research in one of the CRP's member countries for 6 to 26 weeks and the sponsorship of international conferences, workshops, symposia or congresses. These activities must focus on managing capital for the future, managing risks in a connected world or transformational technologies and innovation.

More information and applications forms: <http://www.oecd.org/tad/crp/>. Additional information on the CRP, contact Brad Fraleigh, 613 773 1838, brad.fraleigh@agr.gc.ca.

Advisor, Commodity Association Merger

Five-month period to facilitate and develop a plan that includes timelines and consultations with the associations' membership. For full details on the deliverables, timelines and submission details, [click here](#).

Instructor, Agriculture & Environment, Assiniboine Community College, Brandon, MB

Full-time. Salary: \$57,742 to \$85,771. (Educational supplement: MSc \$2,725 annual, PhD \$5,450 annual)

Qualifications:

- Post-secondary education (preferably MSc or above) in soil science, agronomy, agriculture, environmental science, horticulture, or related discipline, combined with a strong soils background.
- Registration, or eligibility to register, as a P.Ag. in the Province of Manitoba is required.
- Prior post-secondary teaching experience, including curriculum development, is an asset.
- The ability to also teach courses in agribusiness management, and/or in food production with a special interest in soil/water management is desirable.

This competition will remain open until filled. To apply, send resume and cover letter to: Assiniboine Community College, c/o Human Resources, 1430 Victoria Ave E, Brandon, MB, R7A 2A9, Fax: 204-725-8736, Email: humanresources@assiniboine.net.

Postdoctoral Position, Nitrogen Losses from Corn, University of Guelph, Guelph, ON

Modeling and Scaling up of Environmental Nitrogen Losses from Corn Production in Ontario

The purpose is to evaluate methods of reducing environmental losses from corn production using soil biogeochemical models. Research activities will involve the use of the DNDC model adapted for Ontario conditions. This 1-year position will commence July 1, 2017. Please submit a cover letter stating your interest and experience in nitrogen cycling modelling, curriculum vitae, and the names of two potential references to Dr. Claudia Wagner-Riddle (cwagnerr@uoguelph.ca) immediately. (Professor, School of Environmental Sciences, University of Guelph, Guelph, Ontario, Canada, N1G 2W1, Phone: 1-519-824-4120 ext. 52787, Fax: 1-519-837-0756, <https://www.uoguelph.ca/ses/claudiawagnerriddle/>).

Events:

Presentation, Canadian Light Source Capabilities, May 29, 11:00 a.m., Room E3-262, EITC

Tomasz W. Wysokinski, Canadian Light Source Inc.

Researchers will benefit in learning about the Canadian Light Source's capabilities and how to access these facilities for their research.

Agricultural Bioscience International Conference, Sep 25-28, 2017, Winnipeg

Theme: "Solutions Start Here".

ABIC 2017 is the premier global meeting which promotes innovation in bioscience to ensure sustainable food, feed, fibre and fuel security as the climate changes. Delegates from around the world will gather to promote the application of agricultural biotechnology. Program and keynotes can be explored at the conference website. Register today at <http://www.abic.ca/abic2017.html>.

Living Soils Symposium, October 13-15, 2017, Montreal, QC

The call for speakers is open until May 31, 2017.

Please contact: Gabrielle Bastien, Director, Living Soils Symposium Montreal, 514-616-6004, gabrielle@livingsoilssymposium.ca.

For more information, click on the link below:

https://gallery.mailchimp.com/ca7fd4410b9dab34e3ef8b381/files/173aa9fa-5c3f-4b75-ad5e-bae1d1e40a5c/Living_Soils_Symposium_Montreal.pdf