

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/

24 March 2017

Upcoming:

The Faculty of Agricultural and Food Sciences invites you to open presentations by Dr. Myrle Ballard, Candidate for Indigenous Scholar (Assistant Professor).

Monday, Mar 27, 10:30 a.m. – 11:20 a.m., Room 252 Agriculture Building – Coffee and chat with Dr. Myrle Ballard. Drop in anytime.

Monday, Mar 27, 11:30 a.m. – 12:20 p.m., Room 134 Agriculture Building – Research Seminar: “Neegan Ii’nabin: Planning Ahead”

Wednesday, Mar 29, 9:30 a.m – 10:20 a.m., Room 138 Agriculture Building – Teaching Seminar: “Sustainable Livelihoods: Piimachiiwin Akhi”

Wednesday, Mar 29, 12:30 p.m., Room 346 Ellis Building – Department of Soil Science, Seminar Series, Ulysse Vallée-Godbout, Candidat à la maîtrise en génie des eaux, Université Laval. “An Overview of The Bulstrode River Watershed”

Tuesday, May 2, Room 346 Ellis Building – Department of Soil Science Spring Orientation

Department Staff Away:

Bo Pan	Mar 17-31
Brian Amiro	Apr 24-28
Paul Bullock	Apr 10-23

News:

Kamala's defence

Kamala Sapkota successfully defended her M.Sc. on Monday. Congratulations! She and her husband also introduced their daughter, Priscilla, to the department prior to returning to Lethbridge. Best wishes to the entire family.

Invited Presentations by Mario Tenuta

Mario is an invited visitor to Michigan State University Department of Plant and Soil Sciences, and Department of Horticulture, on March 22-24, 2017. He will give a seminar, meet with graduate students, and faculty and visit MSU research institutes. On March 29-30, Mario is an invited guest to Potato New Brunswick in Florenceville, NB. He will give a seminar and have discussions with agronomists the morning of March 29, then give another seminar and meet with growers the afternoon of March 29. On March 30, he meets with potato researchers from AAFC Fredericton and the Province of New Brunswick.

A New Member of the Soil Science Family



Geethani and her husband are happy to share news of the arrival of their baby girl, Neha. She was born on February 23rd and was very tiny weighing 5.5 pounds.

Congratulations!

Paper of the week:

Owens, PN, WH Blake, L Gaspar, D Gateuille, AJ Koiter, **DA Lobb**, EL Petticrew, DG Reiffarth, HG Smith, JC Woodward. (2016). Fingerprinting and tracing the sources of soils and sediments: Earth and ocean science, geoarchaeological, forensic, and human health applications. *Earth-Science Reviews* 162:1-23.

Opportunities:

INTERNATIONAL GRADUATE STUDENT SCHOLARSHIP (IGSS)

The International Graduate Student Scholarship (IGSS) was created with the intent of assisting International Students who are paying the international student differential tuition fee beyond their first year of study in the Faculty of Graduate Studies. IGSS applications are being accepted for the 2017-2018 academic year ([link to application and FAQ](#)). Please note that the IGSS has specific requirements beyond being an international student ([full requirements](#)). Students who are unsure if they are eligible to submit an application are encouraged to apply anyways. The application is simple and takes less than 15 minutes to complete. Their eligibility will be assessed with receipt of their application. Particularly, Master's students who THINK they might transfer to, or start a new, PhD program here at the University of Manitoba in the Summer 2017, Fall 2017 or Winter 2018 terms should apply for this competition and indicate their possible start date in the appropriate spot on the application form. Students need to apply by the **April 11th, 2017** deadline.

Mitacs, Canadian Science Policy Fellowships

These are 1-year fully-funded appointments to a Canadian government agency ([more information](#)). These are part of the government's initiative for informed policy making and/or to identify potential new employees from the academic community. They are open to:

- Faculty seeking a 1 year Sabbatical (coming up this fall)
- PhDs approximately 5 years post-graduation, i.e.:
 - PhD students about to graduate
 - Recent alumni
 - Exceptional Masters graduate students can be considered

The deadline for select projects has been extended to Sunday **April 9th 2017** 11:59 p.m. PDT. Faculty, soon-to-graduate PhD students, and recent alumni are encouraged to submit proposals. The below may be of particular relevance to the Faculty of Agriculture:

- Identifying agronomic opportunities for resilient agriculture in BC (Project location: Victoria, BC gov't) ([link to application](#))

Research Program Manager, Western Grains Research Foundation, Saskatoon, SK, (3-Year, Part Time)

As Research Program Manager, you will be part of a four-member team of Research Program Managers that develops, manages and administers funding arrangements with research institutions; collaborates with research funding partners; provides research and analytical support for WGRF initiatives; and provides support to WGRF decision-making processes. This part-time (60 to 80%) three-year term position will be of interest to experienced individuals with significant knowledge of crop-based agriculture in western Canada including agronomy and variety development. The knowledge and skills required for this position will most likely have been obtained through a Master's degree in agriculture with at least ten years of experience in agriculture production research and research program management. WGRF offers a competitive salary and benefits program. Flexible work hours are available. This is primarily an office position however travel within Canada will occasionally be required.

If you would like to be part of a friendly, highly motivated team located at Innovation Place in Saskatoon, please send us your resume by Monday, **April 3, 2017**. Attention: Candice Lajeunesse, Program Administrator, Western Grains Research Foundation at info@westerngrains.com. Download [PDF](#).

ICAN-WISE Scholarship Program 2017 - NSERC CWSE Prairies

The purpose of the ICAN-WISE Scholarship is to facilitate women mentee-mentor academic research collaborations in natural sciences and engineering fields. This is an initiative of Dr. Annemieke Farenhorst, Prairie NSERC Chair for Women in Science and Engineering. Six ICAN-WISE scholarships will be available in 2017, worth \$6000 each, which are to be awarded to students that are enrolled in undergraduate programs in one of the following Prairie universities (2 awards per province):

- Manitoba (U of Manitoba, U of Winnipeg, Brandon U, University College of the North);
- Saskatchewan (U of Saskatchewan, U of Regina, First Nations University of Canada); and
- Alberta (U of Calgary, U of Alberta, MacEwan University, U of Lethbridge, Mount Royal University).

The \$6,000 scholarship is the student's stipend while working with their mentor on a research project in the summer of 2017. The application can be accessed on our website ([click here](#)). If you are a female undergraduate student registered at any of the universities listed above, please proceed and complete step 1 to 3 on the application form. Submit your application by **April 24, 2017**, midnight to Lena.Yusim@umanitoba.ca.

Assistant Professor (Tenure track, academic year appointment) Agronomy Department, Purdue University, West Lafayette, IN

The Department of Agronomy invites applications for a full-time, academic year, tenure-track assistant professor and Extension specialist in soil science. This position will have primary responsibilities in Extension built on a strong applied research program. Responsibilities include establishing an externally funded, nationally and internationally recognized extension and research program that provides leadership and scholarship in the areas of pedology, geospatial technologies and analysis, including remote sensing, soil geography, and data analytics. Possible areas of focus could include, but are not limited to, interactions of soils and hydrologic processes across agricultural landscapes; use of soils and landscape information to inform land use decisions and policies; analysis and delivery of soils information to optimize nutrient use, soil health, water quality, onsite wastewater disposal practices, or storm water management. It is expected that the individual will establish partnerships with appropriate county, state, federal organizations, and other stakeholders.

Qualifications: Required: A Ph.D. in Soil Science or related field and demonstrated potential for excellence in Extension education and research. Experience working with soils in the field and experience with GIS are essential. Applicants must have excellent written and oral communication skills.

Salary: Salary is competitive and commensurate with education, training and professional experience, and an excellent fringe benefit package that includes retirement program, medical, life and disability insurance and sabbatical leave program.

Applications: Candidates should submit a letter of application, statement of Extension and research philosophy, curriculum vita and three references. A background check is required for employment in this position. Preferred starting date is August 14, 2017. Purdue will accept electronic submissions, send as attachments to Dr. Darrell G. Schulze (c/o Jenny Kelly – jckelly@purdue.edu). Written applications should be directed to: Dr. Darrell G. Schulze (c/o Jenny Kelly), Chair, Search Committee, Department of Agronomy, 915 West State Street, Purdue University, West Lafayette, IN 47907-1150, Telephone: (765) 494-4774. Applications will be reviewed beginning on **April 3, 2017** until a successful candidate is identified. For more information, please contact Search Committee Chair, Darrell G. Schulze (dschulze@purdue.edu) or visit <https://ag.purdue.edu/agry/Pages/default.aspx>.

Field Supervisor, Minnesota Crop Improvement Association, Saint Paul, MN

The Minnesota Crop Improvement Association (MCIA) is seeking qualified candidates for the position of Field Supervisor. The supervisor will conduct field inspections for certified and non-certified acres of crops, inspect seed conditioning facilities, and manage inspection crew in his or her assigned territory. In addition, the selected candidate will perform audits of various MCIA audit based services. This is a home office based position located in Southern Minnesota, preferably in the vicinity of Mankato/Blue Earth County. Minimum qualifications are B.S. in Agronomy or closely related area and basic understanding of the quality management systems. Preferred qualifications are an advanced degree in Agronomy or closely related area with three or more years of experience in the seed industry and three or more years of experience in field inspections. This full-time position offers a competitive salary and full benefits package. Applicants are asked to submit a letter of interest and resume by **April 21, 2017** to: Fawad Shah, Minnesota Crop Improvement Association, 1900 Hendon Ave, Saint Paul, MN 55108, employment@mncia.org.

MSc Graduate Research Assistantship, Dept of Agronomy and Horticulture, U. of Nebraska, Lincoln

The research is on remediating soil for successful vegetation establishment along Nebraska highways. The goal of the research project is to evaluate remediation practices of roadside shoulders for successful plant establishment. The GRA will coordinate the execution of the project including establishment of field experiments, imposition of treatments, collection of soil and vegetation data, analysis of data, and reporting of findings in thesis and peer reviewed publications. The student will also have the opportunity to gain teaching experience as well as present research results at professional scientific meetings.

Interested applicants should contact Dr. Martha Mamo (mmamo3@unl.edu, 402-472-8493); Dr Humberto Blanco (hblanco2@unl.edu, 402-472-1510); or Dr Walter Schacht (wschacht1@unl.edu, 402-472-0205), for more information. Qualifications: Appropriate BSc. degree completed before the GRA start date. Formal application for graduate studies is required. Instructions: <http://agronomy.unl.edu/futuregraduate>.

MSc. Graduate Research Assistantship Stipend: Annual Basis - \$24,120. Tuition Waiver: A tuition waiver of up to 12 credit hours per semester and 12 credit hours during summer sessions is provided with the GRA. Students on assistantships are provided health insurance at a reduced rate. GRA Availability: July, 2017

2-Year Graduate Research Assistantship, Clemson University, Blackville, South Carolina

A two-year Graduate Research Assistantship for a full-time MS student is available at Clemson University. The selected applicant will perform research at the Edisto Research & Education Center (EDISTO REC) in Blackville, South Carolina. Summer housing at EDISTO will be provided. The ideal candidate will have a Bachelor degree in agriculture or related discipline. Candidate with prior research experience is preferred.

A highly motivated applicant is sought with strong interest in field plot research and enthusiasm to work and interact in an international scientific environment. The applicant should have excellent writing and oral communication skills and the ability to work independently and as a part of a team. Various projects are available with research focused on soil fertility and plant nutrition in cotton, corn, and soybeans. The candidate will present his/her research work as oral presentations and posters at scientific meetings, seminars, and workshops. In addition, the candidate will be required to publish peer-reviewed journal articles.

Candidates will be required to formally apply to the Clemson University Graduate School (<http://www.grad.clemson.edu/Admission.php>). In addition to formal application, send a single pdf of CV, GRE/TOEFL scores, summary of experience and career goals, and contact details for three references to: Bhupinder S. Farmaha, Assistant Professor, Nutrient Management Specialist, Department of Plant & Environmental Sciences, Clemson University, Edisto Research & Education Center, 64 Research Road, Blackville, South Carolina 29817, Office: 803-284-3343 Ext. 244, Cell: 217-778-5170, bfarmah@clemson.edu

Events:

Manitoba Institute of Agrologists, 2017 Professional Development and Annual General Meeting, April 13, Portage la Prairie, MB

Registration starts at 9:00 a.m. at the William Glesby Centre, 11-2nd Street N.E. The first presentation begins at 9:30 a.m. followed by the Members' lunch at 12:30 p.m. and the AGM at 1:30 p.m. The time plan is for the AGM to wrap up by about 2:30 pm.

"Risk Management for Agrologists" by Allan Fineblit, Q.C., TDS Law. What you do and how you do it does matter. Allan will discuss regulation of agrology in the public interest and the co-existence of managed risk and opportunity in your work.

"Why the Customer Isn't Always Right" by Kelley Main, Ph.D., Department Head and Associate Professor, Asper School of Business. Kelley's work includes understanding consumer and customer responses to certain information or messages they receive.

"We Are All on the Same Team!" by Brian Lemon, General Manager, Manitoba Beef Producers. What a Canadian focus on a carbon tax and fighting climate change coupled with political uncertainties in the US mean for Manitoba beef producers and linkages to other parts of the agricultural economy.

2017 Joint Meeting of Canadian Geophysical Union (CGU) and Canadian Society of Agricultural and Forest Meteorology (CSAFM), May 28-31, 2017, Vancouver, BC

The program schedule for the meeting has been posted online: <http://cgu-ugc2017meeting.ca/program/>.

There are 4 CSAFM specific oral presentation sessions and posters as well. Details on where and when the CSAFM Annual business meeting will be held during the conference to follow soon.

Note that early-bird registration is due by April 18: <http://cgu-ugc2017meeting.ca/registration/>.

Due to the attendance level expected at the meeting, it is possible that the best on-campus accommodation may go quickly, so book as soon as possible: <http://cgu-ugc2017meeting.ca/accommodation/>.