

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/)

8 September 2017

Upcoming:

Saturday, Sep 9 – Special Event at Investors’ Group Field. **Parking restrictions will be in effect for W lot starting at 12:30 p.m.**

Monday, Sep 11, 9:30 a.m., Room 375 Ellis Building – The Department of Soil Science weekly technician meeting moves to its fall/winter timeslot of 9:30 a.m. Rob, Bo Pan and Trevor are at the meeting each week to coordinate technical support for the department. If you have need of department field or lab equipment, please bring the request to the weekly technician meeting so that department resources can be coordinated efficiently.

Friday, Sep 22 – Special Event at Investors’ Group Field. **Parking restrictions will be in effect for W lot starting at 5:30 p.m.**

Tuesday, September 26, 1:00 p.m., Room 346 Ellis Building – Department of Soil Science, Ph.D. thesis defense, Surajum Munira. “Competitive Sorption Interactions of Organic and Inorganic Chemicals in Soils”

Department Staff Away:

David Lobb	Sabbatical July 01 – December 31, 2017
Mario Tenuta	Sabbatical July 01 – December 31, 2017

News:

High School Science Mentors

A Shaftesbury High School science teacher is searching for potential mentors to connect with high achieving science students. Kathleen Crang has worked with countless brilliant students over the years, helping introduce them to various professors/graduate students and research. Many students developed projects, or helped write papers to present at the Manitoba Schools Science Symposium or Sanofi Biotech Challenge, the two most important high school science events in the city. And many students went on to

successfully pursue science careers in these related fields. Several of our academics have served in this capacity in the past, and have had a powerful impact on students' career aspirations.

If you are willing and open to working with a student (or perhaps having them work for you or help you out), please contact Kathleen Crang, kcrang@pembinatrails.ca, 204-223-3338.

Volunteers Needed for AITC-M's Amazing Agriculture Adventure

When: September 19, 20 and 21, 2017

Time: The time commitment is from approximately 8:30am until 2:00pm each day.

Where: Richardson International's Kelburn Farm and the University of Manitoba's Bruce D. Campbell Farm and Food Discovery Centre and Glenlea Research Station.

What: We are asking for support for the following positions:

Class host leads a group of students and their teacher to the right station at the right time.

Station facilitator runs a fun and interactive station giving students the opportunity to learn more about agriculture. Station facilitators are needed for the following stations: envirosapes, wheat grinding, farm business, bees, crop protection, bio-security, weather game and match the commodity (on Sept. 20 and 21).

You don't need to be an expert. You are provided with a script and training – everything you need to successfully run the station. Just bring your passion and enthusiasm. For more information and to register: [click here](#)

Paper of the week:

Alemu, A.W., **B.D. Amiro**, S. Bittman, D. MacDonald, and K.H. Ominski. 2017. Greenhouse gas emissions of forage-based beef cow-calf operations: A whole-farm analysis of 295 Canadian farms. *Agricultural Systems* 151: 73-83.

Opportunities:

Work-Study Position, CREATE H2O and Centre for Human Rights Research, Univ. of Manitoba

Are you a full-time student in fall and winter terms? Do you have a 2017-2018 government loan or full Indigenous sponsorship? If you are interested in gaining experience in research methods (surveys and literature review) and learning about traditional knowledge and water issues in First Nation communities, please consider applying for this work-study position.

Supervisor: Wendy Ross, H2O program coordinator. Remuneration: \$13.50/hour

Student application deadline: **September 12, 2017.**

To apply: <https://uofmcareerservices.ca/home.htm>. (You will need to register or log onto careerCONNECT) Please refer to Work-Study position number: WS201718-50.

Senior Research Technician, Agriculture & Agri-Food Canada, Swift Current, SK

The incumbent will be required to manage field and laboratory components of a nutrient cycling program that includes collection and analysis of soil, water, snowmelt runoff and plant samples. The incumbent will develop sampling plans for existing or future field and/or greenhouse studies of nutrient cycling and transport in soil, water, snowmelt runoff and plants, including sample collection, transportation, processing, and storage to maintain sample integrity at all stages of the process.

Links to the position, for more information and to apply, are:

English: <https://emploisfp-psjobs.cfp-psc.gc.ca/psrs-srfp/applicant/page1800?poster=1074317>

French: <https://emploisfp-psjobs.cfp-psc.gc.ca/psrs-srfp/applicant/page1800?poster=1074317&toggleLanguage=fr>

Application for this position is not limited to AAFC employees, and is open to the general public. Preference will be given to veterans and to Canadian citizens, in that order. The closing date for application is **September 13, 2017**.

Research Technician Soil and Water Management, Agriculture & Agri-Food Canada, Fredericton, NB

The successful candidate will participate in a research team studying soil and water management in agricultural landscapes and its impact on the environment. He/she will plan, coordinate, conduct field and laboratory work to collect data for research projects; in the context of agricultural landscape, assess soil erosion rates and various soil water conservation measures in agricultural fields and their impacts on crop growth and soil health; investigate the transport and delivery of sediments, nutrients, agricultural chemicals and pathogens from fields to the receiving waters.

Who can apply: Persons residing in Canada and Canadian citizens residing abroad.

Applications submitted by email will not be accepted. You must apply on-line through www.jobs.gc.ca. For more information and to apply [click here](#). Closing date: **20 September 2017**

Graduate Student Awards with October 1 deadline

There are graduate student awards currently open for competition with a deadline of **October 1, 2017**. Soil Science graduate students are eligible for all of those listed below. All of the application forms and eligibility criteria can be found on the Faculty Awards Database:

<https://agawards.agric.umanitoba.ca/index.php/admin/award>

- Lord Selkirk Association of Rupert's Land Agriculture Scholarship
- John Dueck Graduate Entrance Scholarship (PhD)
- Stewart Pugh External Study Scholarship graduate
- W.W. Thomson Scholarship Degree/Graduate

All qualified candidates are encouraged to apply! The Faculty Awards Committee will meet in October to select winners for each award. If you have been recommended by the Committee, you will receive an email by the first week of November. Please feel free to contact Marisol Soto at agawards@umanitoba.ca if you have any questions about the awards or the application process.

University of Manitoba Bursaries

Every year, the University of Manitoba offers a wide-range of bursaries to both new and continuing full time and part-time students who have a demonstrated financial need and a minimum academic standing. Bursaries (student funding that does not need to be repaid) range in amounts from \$100 to \$1,000 with over \$3 million awards annually.

Application information is available at: http://umanitoba.ca/student/fin_awards/bursaries/index.html.

Application Deadline: **October 1, 2017**

Events:

Webinar, American Society of Agronomy/Soil Science Society of America, 11:30 a.m., Sep 12, 2017

Nutrient Management and Water Quality: Toolbox for Success.

Sustainable Water Quality from a Nutrient Management Perspective! This webinar will show the resources available to develop strategies you can take to your growers!

- Current status of nutrient management fertilizer application regulations
- Means of nutrient loss / nutrient inefficiency in agricultural production
- Water quality impacts of excess / inefficient nutrient application
- 4-R nutrient Stewardship
- Nutrient management Best Management Practices and technologies to improve water quality
- Sustainability

[Registration Link](#). Questions? Need Help with Registration? Contact: Michele Lovejoy, (608) 268-4947

2nd National Conference on Cover Crops and Soil Health, Dec 7-8, 2017, Indianapolis, IN

Registration is now open for the National Conference on Cover Crops and Soil Health. Whether you are contemplating cover crops for the first time, or you have years of experience and want to interact with soil health and cover crops innovators, this program will provide you with valuable information, networking, and learning opportunities.

Over the course of this day and a half event, you will engage in discussion focusing on recent developments in how cover crops are being used by innovative farmers across the country and gain important insights on improving soil health from producers, conservation leaders, and scientists.

For complete conference details, please visit www.swcs.org/17CCSH.