

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/](http://umanitoba.ca/afs/soil%20science/)

11 May 2018

Upcoming:

Thursday, May 17, 10:30, Room 346 Ellis Bldg – Coffee-cake “Wish you well” for Lynda Closson. Lynda is moving to the Bannatyne campus for a 1-year secondment in the Centre for Health Policy as a Finance Assistant. Come out, have some coffee and cake and give Lynda a nice send-off to her new position.

Thursday, May 17, 12:00 noon, Room 375 Ellis Bldg – The Soil Science band will be rehearsing and this is your invitation to join in. The group has grown over the past couple of years and now includes several singers and a variety of instrument players (ukulele, guitar, mandolin, harmonica, percussion). It is a lot of fun, whether you are seasoned veteran or a novice musician. The group has even done a few performances. The plan is to rehearse on Thursdays at noon and to perform a few numbers at one of the first summer BBQs. It is a nice safe way to gain experience playing in a group. Even if you don't want to perform, you are still welcome to join in the rehearsals.

Thursday, May 31, 9:00-10:00 a.m., Room 130 Agriculture Bldg – Public seminar presented by Dr. Francis Zvomuya, candidate for the Soil Science headship position. “Soil Science at the University of Manitoba: Where do we go from here?” Refreshments at 8:30 a.m. All are welcome.

Department Staff Away:

Brian Amiro	May 13-17 (AMS conference)
Annemieke Farenhorst	May 10-22 (IUPAC, SETAC), May 28-Jun 2 (Cdn Chem Conference, CCWEST)
David Lobb	May 14-18 (Victoria)

News:

Fire Extinguisher Training

All Staff, Faculty and Summer Students are invited to attend Fire Extinguisher training sessions scheduled for May, June, July and August.

1. In-class sessions will take only 30 minutes and consist of a PowerPoint presentation where the types of fire and extinguishers are discussed in addition to proper extinguishing techniques. This will be the optimum time to ask any questions that you may have about fire extinguishers as the instructor will be available for an additional 30 minutes after the presentation. The sessions are available for sign-up on

the Go Sign Me Up page of Learning and Organizational Development:

<https://umanitoba.gosignmeup.com/Public/Course/Browse>. Please enroll for one session only.

- Attendees will also be given the opportunity to extinguish a real fire using a training simulator at a separate session. This will provide practical hands-on experience for operating an extinguisher in a controlled real-life scenario. You may attend whichever session best fits your schedule. All you need to do is show up during the times specified in order to participate. You do not need to register for the hands-on training, however you need to complete the in-class session first. Wait times may fluctuate based on demand and time of day.

Sessions will take place at Fort Garry campus on May 30, June 20, July 26, August 22 from 9 AM – 3 PM at the Environmental Safety Building (Address: 27 Service Street 1 SW) directly south of the U Parking lot and west of the Fisheries Institute.

Please ensure that you attend the in-class session first as it is required before the practical hands-on session in order to receive the full training required to properly extinguish a fire. The in-class session will provide pertinent information about types of extinguishers and the types of fires they extinguish as well as the proper protocol to follow when extinguishing a fire.

Soil Health Institute - North American Project to Evaluate Soil Health Measurements

The Soil Health Institute announces a project for methods for Evaluating Soil Health Indicators at a Continental Scale. The project addresses the lack of widely-applicable measurements and methods for assessing soil health. Read the full release and see the complete list of indicators and methods: [click here](#).

Live Well @Work Week, May 28 to June 1

All faculty and staff are invited to participate in this year's Live Well @Work week at the Fort Garry and Bannatyne campus. Last year, over 600 faculty and staff participated in over 20 workshops that focus on the 'whole selves' that faculty and staff bring to work each day. The workshops explore and celebrate mental, physical, emotional, spiritual and social well-being. There is a new format this year. Each campus will host free group fitness classes every day over the lunch hour, a wellness fair and a one-day conference.

The Live Well @Work conference will be held on Wednesday, May 30 at the Bannatyne campus and Thursday, May 31 at the Fort Garry campus. The conference will run 9:00 a.m. to 4:00 p.m. and conference participants can attend a single one-hour session, part of the day or the full day, depending on their schedule and needs of their unit. If the operational needs of a unit can still be met, supervisors are encouraged to release employees to participate as a professional development opportunity, and part of their regular workday.

In its fourth year, Live Well @Work ties into the overall Live Well initiative and Success through Wellness: U of M's Mental Health Strategy. Together, these efforts support the university's goal to create an outstanding learning and working environment. All faculty and staff are encouraged to take advantage of this event.

Invitation to Participate in Agrologists Canada National Project

This is an appeal to Agrologists Manitoba members to contribute to an important national project. Agrologists Canada has contracted with Meyers Norris Penny for the design and delivery of a project to demonstrate the value of an agrologist's professional advice and services. The project involves recruiting a set of Professional Agrologists to trial a set of tools and approach in their regular work activities over the

course of a year or season. Agrologists participating in the project will supply data based on data collection tools developed by MNP (via a secure data portal). Data requirements are qualitative and quantitative. The project will fit well Agrologists whose work practice involves providing specific advice to clients who wish to achieve specific, identifiable goals or objectives where results can be documented (for example: a producer wishes to achieve better crop yield, improved net margin, reduce input cost through selective rate application, improve animal production yield). The project may also appeal to Agrologists leading applied research. MNP will provide an orientation briefing to potential interested participants. Agrologists Manitoba will pay an honorarium to Agrologist Manitoba participants in the project.

Please review the material ([click here](#)) for more information and contact the Agrologists Manitoba office if you would like to have a preliminary discussion about potential participation.

Paper of the week:

Westphal, M., Tenuta, M. and Entz, M.H., 2018. Nitrous oxide emissions with organic crop production depends on fall soil moisture. *Agriculture, Ecosystems & Environment*, 254, pp.41-49.

Opportunities:

2018-19 Community Engagement Fund (formerly Major Outreach Awards)

The deadline to receive applications for the 2018-19 Community Engagement Fund (formerly Major Outreach Awards) is on Friday, **May 11, 2018**.

The general purpose of community engagement is to enlarge and enrich the contacts between the University of Manitoba and all segments of the community through such means as:

1. increasing access to the existing programs of the University;
2. extending the nature and range of the programs and services it offers;
3. sharing more effectively with the community the resources of the University; and
4. drawing on the talent, experience, and resources within the community.

The Community Engagement Fund guidelines and application form are located here: [click here](#).

Postdoctoral Researcher, Organic Cropping Systems, College of Food, Agricultural, and Environmental Sciences, Ohio State University, Wooster, OH

Conduct applied research focused on soil health and weed management dynamics in organic cropping systems. Research project explores relationships between weed management and soil amendment strategies on soil health, organic matter pools, weed communities and crop productivity. Duties: analysis, synthesis and writing of peer-review manuscripts using existing organic field crop experiments, conducting a comprehensive literature review on relationships between weed management and soil organic matter, coordinating organic field trials, and supporting grant writing to secure external funding. The successful candidate will be involved with supervision and training of undergraduate and graduate students in field and lab procedures. The position is based at the Ohio Agricultural Research and Development Center in Wooster, Ohio, for a 1-year appointment, renewable based on job performance and funding.

Apply online: <https://www.jobsatosu.com/postings/86287> under position #438221. In addition, send as a single pdf: i) cover letter summarizing qualifications, expertise, and experience ii) a full curriculum vitae to culman.2@osu.edu. Application deadline is **May 20, 2018**. Questions about the position can be directed to Steve Culman (culman.2@osu.edu) or Doug Doohan (doohan.1@osu.edu).

Canadian Dairy Commission Scholarships

The Faculty of Agricultural and Food Sciences has benefitted significantly over the years from the graduate scholarship program offered by the Canadian Dairy Commission (CDC). A number of fine young scholars have had their M.Sc. or Ph.D. research supported through this program, which has provided some of most generous graduate awards we have had (\$20K/year for M.Sc.; \$30K/year for Ph.D).

The CDC has retooled delivery of its scholarship program through its Workforce Development Initiative. Details of the program and application forms can be obtained from Danie Cousineau, Corporate Secretary, danie.cousineau@cdc-ccl.gc.ca, (613) 792-2016. Application materials should be submitted Marisol Soto, Agricultural and Food Sciences Awards Coordinator, by emailing agawards@umanitoba.ca no later than noon on **Monday, June 11th**. Applications will be ranked internally by our Awards Committee then submitted to the CDC for final selection.

For questions, contact Dr. Jared Carlberg, Associate Dean (Academic), Faculty of Agricultural and Food Sciences, (204) 474-9395, jared.carlberg@umanitoba.ca.

Mitacs Elevate

Mitacs Elevate is now accepting applications for two-year postdoctoral funding: [click here](#).

- \$60,000 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:

- Intent to Apply and Conflict of Interest declaration: **June 13, 2018**, at 5 p.m. PT
- Intent to Apply is not required to submit an application
- Pre-review of draft applications: June 27, 2018, at 5 p.m. PT
- Application: July 11, 2018, at 1 p.m. PT
- Results announced: November 2018
- Projects must start by February 6, 2019

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

Dean of Graduate Studies Student Achievement Award

For Master's and PhD students; \$1,000 cash prize plus a citation certificate.

Deadline: **June 30, 2018**. More information and to apply: [click here](#).

MSSS International Travel Award

The Manitoba Soil Science Society (MSSS) recognizes the importance of providing international networking and learning opportunities to the next generation of soil scientists. In partnership with Nutrien, MSSS is offering a \$500 travel award to two graduate students to help supplement the cost of registration and travel to the International Soils Meeting in San Diego California January 6-9, 2019 hosted by the Soil Science Society of America, Canadian Society of Soil Science and the Mexican Society of Soil Science.

Who is eligible? Graduate students currently enrolled in either an MSc or PhD and whose area of study is focused within soil science. Applicants must plan to present either a poster or oral presentation at the 2018-2019 International Soils Meeting.

Application:

Name		Program	<input type="checkbox"/> MSc	<input type="checkbox"/> PhD
University		Presentation*	<input type="checkbox"/> Poster	<input type="checkbox"/> Oral
Department		Phone		
Supervisor		Email		
Presentation title				
Have you presented at an international conference before?			<input type="checkbox"/> Yes	<input type="checkbox"/> No

*Please attach a copy of submitted presentation abstract

Please email completed application and copy of your submitted abstract to: Laryssa Stevenson, MSSS President, (204) 751-0019, laryssa@manitobapulse.ca.

Deadline to submit travel award application is **July 1, 2018**.

Notification of funding will be provided to successful applicants by August 31, 2018.

Tenure-track Assistant Position, Soil Fertility and Applied Soil Chemistry, Department of Crop and Soil Sciences, North Carolina State University, Raleigh, NC

(80% Ext/20% T). The appointment is to begin late 2018. College priorities include sustainable production, environmental protection, and training undergraduate and graduate students. Candidates who have demonstrated experience engaging with diversity through activities such as fostering an inclusive environment, working with students from diverse backgrounds and/or incorporating diverse perspectives in research are of particular interest. The successful candidate will develop an applied extension and research program focused on maximizing yields and profitability, while minimizing nutrient losses. Extension and applied research will refine and/or develop soil test-based nutrient and lime recommendations, and provide nitrogen recommendations. The successful candidate will work closely with the North Carolina Department of Agriculture and Consumer Services Agronomic Division Soil Testing Laboratory. The extension responsibility also includes service on the Interagency Nutrient Management Committee that helps establish nutrient recommendations for diverse soils and crops. The successful candidate will co-teach a week-long training to certify technical specialists and provide support to Cooperative Extension agents on soil fertility issues. The candidate must be proficient at presenting and explaining new research information and soil fertility principles to multiple audiences, including industry representatives, government agency staff, Cooperative Extension agents, farmers, and the public. Generation of external funding from multiple sources to support the research and extension program is required. The successful candidate will be expected to give research- and extension-oriented presentations at state, regional and national symposia and meetings. Publication of extension results (e.g. web sites, fact sheets, etc.) and research in internationally recognized peer-reviewed journals is required. The candidate will teach one graduate course in soil fertility.

The candidate must have a Ph.D. in Soil Science or a closely related discipline with a focus on soil fertility with experience in soil chemistry, plant nutrition, and possibly water quality; excellent written and oral communication skills with demonstrated ability to communicate with Cooperative Extension agents,

farmers, and the public as well as publish extension publications and peer-reviewed research in internationally recognized journals.

Apply online only at: <http://jobs.ncsu.edu> and refer to position #00001903. Individuals with disabilities requiring disability-related accommodations in the application and interview process, please call 919.515.3148. Additional information about the Department of Crop and Soil Sciences can be found at: <https://cals.ncsu.edu/crop-and-soil-sciences/>. For questions regarding this position, contact Deanna Osmond (deanna_osmond@ncsu.edu). Applications accepted until a suitable candidate is found.

Events:

Food Systems and Sustainability Symposium, Jun 27, 2018, University of Manitoba

The inaugural Food Systems Research Group Graduate Student Symposium takes place June 27, 2018.

REGISTRATION IS OPEN - ALL ARE WELCOME TO ATTEND!! Want to learn more about research taking place at the UofM on our shared food system? Visit the F3S website ([click here](#)) to register today! Student registration is only \$15 (non-students \$60).

CALL FOR ABSTRACTS: [click here](#)

Students from ANY department at the University of Manitoba wanting to share their research towards understanding and improving our shared food system are invited to submit an abstract.

- Student Speakers – Deadline Wednesday, **May 16 2018 @ 4:00pm**
- Poster Competition – Deadline Wednesday, **May 16, 2018 @ 4:00pm**

Email: uomfssc@gmail.com.

APPLICATION INFORMATION: You qualify to present at the symposium if your research focuses on any aspect of safe, healthy, just, and sustainable food systems. You also qualify to receive cash awards up to \$500! ALL DISCIPLINES ARE WELCOMED AND ENCOURAGED TO APPLY!

The Food Systems and Sustainability Symposium (F3S) was created by graduate students at the University of Manitoba. It is a 1-day event which includes 2 keynote speakers, student presenters, poster competitions, coffee breaks, lunch and an off-campus social following the closing ceremonies!

F3S is a multi-disciplinary approach towards food systems and sustainability both in Canada and internationally. It gives graduate and undergraduate students the opportunity to present their research with a new perspective, promoting discussion and creative thinking, finding ways to relate their projects to food systems and sustainability. ALL STUDENTS ARE WELCOME TO PARTICIPATE!

Presentation styles: 8 PechaKucha and 8 Traditional.

What is a PechaKucha presentation? PechaKucha is a presentation style in which 20 slides are shown in 20 seconds (6 minutes and 40 seconds total), keeping presentations short, concise, fast-paced, and fun. It was first introduced in Tokyo in 2003 and since then has grown in popularity around the world. Examples of PechaKucha presentations can be found here. <https://www.pechakucha.org/watch>

PRSSS Summer Soil ID Course, Jul 17-19, 2018, Smithers, BC

The Pacific Regional Society of Soil Science (PRSSS) is accepting applications for the 2018 Summer Soil ID Course in Smithers, BC. The deadline for submitting applications is **May 18, 2018**. Applications will be assessed and registration confirmed via email by May 22, 2018 at the latest. All applicants will receive a response by this day with an update of their application status.

This course is an excellent opportunity to gain hands-on experience in soil classification and landscape interpretation. Expert mentors, who are a wealth of knowledge, will guide you throughout the 3 days. Upon completion of this course participants will learn how to texture a soil, dig a soil pit, differentiate and describe horizons, and interpret soils and landscapes for possible land uses. A certificate of completion will be provided upon completion as proof of professional development.

Please follow this link for more information and to apply: <http://www.prsss.ca/events/event/2018-summer-soil-id-course-smithers-bc/>. Contact prsssemail@gmail.com, if you have any questions.