

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:

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Past issues of the Soiled Profile are now on our
webpage: [umanitoba.ca/afs/soil science/](http://umanitoba.ca/afs/soil%20science/)

14 October 2016

Upcoming:

Tuesday, Oct 18, 9:00 a.m., Room 346 Ellis Building – M.Sc. thesis defence, Megan Westphal. “Nitrous Oxide Soil Emissions from an Organic and Conventionally Managed Cropping System in Manitoba.”

Wednesday, Oct 19, 3:30 p.m., Room 130 Agriculture Building - Faculty of Agricultural and Food Sciences Seminar Series. Dr. Derek Brewin, Department of Agribusiness and Agricultural Economics, U of Manitoba. “The Games Firms Play in the Grain Value Chain”.

Friday, Oct 21, 2:30 p.m., Room 172 Agriculture Building – Eighth Annual Kraft Lecture, Dr. Joseph Glauber. “Whither U.S. Agriculture Trade Policy: Trump, Clinton, BREXIT, WTO, NAFTA and TPP.”

Wednesday, Oct 26, 12:30 p.m., Room 346 Ellis Building – Department of Soil Science seminar. Dr. Aston Chipanshi, Agroclimate Analytical Service Lead, Agriculture & Agri-Food Canada. Title: TBA

Saturday, Oct 29 – Winnipeg Blue Bomber Game at Investors’ Group Field. **Parking restrictions will be in effect for W lot starting at 1:30 p.m.**

Friday, Nov 4, 12:30 p.m., Room 346 Ellis Building – Department of Soil Science seminar. Dr. Srimathie Indraratne, Department of Environmental Studies and Sciences, U of Winnipeg. “Sources of Potentially Toxic Trace Elements in Agricultural Soils: Geogenic or Anthropogenic?”

Department Staff Away:

Lynda Closson	Oct 13 - 14
Terri Ramm	Oct 24 – Nov 7
Rob Ellis	Oct 24 – 28
Martha Blouw	Oct 7 – 24 (contact Bev.Godard@umanitoba.ca for grad student assistance)
Mario Tenuta	Oct 25–28 (Wpg workshop), Nov 1–2 (Ottawa), Nov 7–9 (Phoenix), Nov 16-17 (Moncton), Nov 22–24 (Calgary), Dec 6–7 (Thunder Bay), Dec 12–16 (San Francisco)

News:

Newest Soil Scientist-in-training!



Soil Science M.Sc. student, Kamala Sapkota, is currently writing her thesis while attending to other things such as delivering a baby!!

Pratap and Kamala are happy to share the news of the arrival of Priscilla. She was born on October 6 and weighed 7.5 pounds. Mother and child are doing well. They expect to be out collecting soil samples shortly!

Congratulations!

Fire Extinguisher Training

On Wednesday October 26, 2016 from 9am-4pm, EHS will be conducting Fire Extinguisher Training outside the Environmental Safety Building at the Fort Garry Campus. Training is open and free for all staff and departments. You can attend whenever you are available during that time period. You do not need to sign up ahead of time. Just show up.

The building is just South of the U Parking Lot and West of the Fisheries Institute. If you head along Dafoe Road Westward there is a dirt road that heads South off Dafoe Rd. past the Fisheries Institute and it will lead you to the site.

Call for Nominations of Canadian Experts: IPCC Sixth Assessment Report Scoping Meeting

This is a call for nominations of Canadian experts to be considered for participation in the scoping meeting of the Intergovernmental Panel on Climate Change's (IPCC) Sixth Assessment Report (AR6). The scoping meeting will be held tentatively during the week of May 1-5, 2017 (venue to be confirmed). It will result in a draft scoping paper and an annotated outline, which will be considered at the IPCC's 46th Session in September 2017. Following approval of the IPCC Sixth Assessment Report outline, a call for authors will be launched.

NOMINATION INSTRUCTIONS: If you wish to be nominated for participation in the IPCC Sixth Assessment Report scoping meeting, please contact: IPCC Secretariat for Canada, Science & Technology Branch, Environment and Climate Change Canada, Government of Canada, 200 Sacré-Coeur Blvd, 11th Floor, Gatineau QC K1A 0H3, ec.giec-ipcc.ec@canada.ca for a nomination form. The deadline for receipt of nominations is 5:00pm pacific standard time on **October 21, 2016**.

Paper of the week:

Adesanya, T., O.O. Akinremi, and F. Zvomuya. 2016. Physical properties of an Orthic Black Chernozem after five years of liquid and solid pig manure application. *Can. J. Soil Sci.* 96: 145-153.

Opportunities:

Technician (Crop/Weather Specialist), Agriculture and Agri-Food Canada, Ottawa

The position consists of supporting research into quantifying the impact of climate variations on field crop production and sustainability. This support includes setting up, operating, and maintaining scientific instruments for micrometeorological flux towers and ancillary environmental measurements, including data acquisition and control systems, ultrasonic anemometers, infrared gas analyzers, tunable diode lasers, and quantum cascade tunable infrared laser differential absorption spectrometers. This support also includes repairing and purchasing equipment, preparing technical reports, and contributing to scientific publications. The duties of the position also include contributing to soil and crop sampling and being a liaison between the research team and the science program support staff, as well as the equipment manufacturers. Familiarity with micrometeorological techniques and data acquisition systems is required.

EG-05 , Permanent Full Time

\$61,421 to \$74,728 (Salary under review)

Closing date: **17 October 2016**

Full description is available at the following link: <https://emploisfp-psjobs.cfp-psc.gc.ca/psrs-srfp/applicant/page1800?poster=966571>.

Mitacs Globalink 2017 International Internship Opportunities for University of Manitoba Students

The University of Manitoba is one of 60 member universities working with Mitacs, providing funding to build partnerships that support industrial and social innovation in Canada. Opportunities are available for Undergraduate and Graduate Students. Mitacs is now accepting applications for competitive international research opportunities for UM student travel.

Partner Countries for Research Projects

- Brazil
- Mainland China
- France (At French universities or Inria Research Centres)
- India
- Mexico
- Tunisia
- Graduate students can also apply to the Mitacs-JSPS Internship, which supports travel to Japan for a 10-week research project in Summer 2017.

The deadline to apply is **November 9, 2016**, at 5 p.m. PST. To learn more, visit the [Globalink web page](#) or contact Mitacs International at international@mitacs.ca.

Post-Doctoral Fellow/Research Associate in Soil Health, University of Alberta, Edmonton AB

A recent PhD graduate in soil science is sought for a one-year position at the University of Alberta. The successful candidate will write a literature review on current knowledge and research on soil health, including but not limited to: soil microbial diversity and function, soil physical characteristics, soil organic carbon sequestration, topography, soil hydrology, and the factors that may influence soil health, including crop type and rotation, soil diversity and compaction, plant diversity, cover crops, productivity, tillage and soil compaction. Methods of soil health measurement and amelioration methods and current research from Canada, Australia, USA and Brazil will also be part of the review. The generated literature review will be

used to determine if a research focus on soil health would be beneficial to Alberta's agricultural sector. The successful candidate will be guided by a group of soil scientists from across Canada.

An ideal candidate would have demonstrated an ability to write and publish peer reviewed papers, excellent communications skills and an ability to think strategically. The candidate must be a Canadian citizen, permanent resident or landed immigrant. The successful candidate will begin the position in Edmonton by December 2016. Salary for the position will be \$60,000 to 70,000, depending on qualifications. Interested candidates should contact: Dr. Linda Hall, University of Alberta, Edmonton, AB, linda.hall@ualberta.ca.