

# 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](mailto: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/)

**7 July 2017**

### Upcoming:

Friday, July 7 – Special Event at Investors’ Group Field. **Parking restrictions will be in effect for W lot starting at 6:00 p.m.**

Thursday, July 13 – Special Event at Investors’ Group Field. **Parking restrictions will be in effect for W lot starting at 6:00 p.m.**

Thursday, July 27, 9:30 a.m., Room 346 Ellis Building – Department of Soil Science, M.Sc. thesis defense, Justice Zhanda. “Assessing thermal indices for modeling grain corn phenological development on the Prairies”

Thursday, July 27 – Special Event at Investors’ Group Field. **Parking restrictions will be in effect for W lot starting at 6:00 p.m.**

### Department Staff Away:

Lynda Closson	June 30-July 24 (vac)
Mervin Bilous	June 26-July 12 (vac)
Justin Soucie	July 17-21
Brad Sparling	July 10-14, July 24-28 (vac)
Brian Amiro	July 4-7 (vac)
Paul Bullock	July 10-18 (vac)
Don Flaten	July 3-7 (vac), July 17-20 (Minnesota), Aug 21-23 (Guelph), Aug 23-Sep 1 (vac)
Tee Boon Goh	July 18-22 (Japan)
Francis Zvomuya	July 4-7
David Lobb	Sabbatical July 01 – December 31, 2017
Mario Tenuta	Sabbatical July 01 – December 31, 2017

Front Office for the next 2 weeks:

Jennifer Henderson - Mondays and Wednesdays 9:00-4:30

Carmela Cianflone – Tuesdays through Fridays 7:30-4:45

## News:

*From July 10 through 18, Wole Akinremi will be Acting Head and signing authority for the department.*

### *New online booking system for outdoor spaces at Fort Garry campus*

A new online system for booking outdoor spaces on campus was recently launched. Until now, booking an outdoor space involved a paper form and required going to several offices across campus to get signed approvals. The system now lives within the JUMP portal and is open to staff, faculty and students.

More information and links to the new system can be found here: <http://news.umanitoba.ca/planning-a-rally-or-barbecue-new-online-tool-makes-booking-outdoor-spaces-fast-and-easy/>

### *Paper of the week:*

Koiter, AJ, PN Owens, EL Petticrew, **DA Lobb**. 2017. The role of soil and surface properties on the particle size distribution and carbon content of eroded sediment on agricultural hillslopes. *Catena* 153: 194-206.

## Opportunities:

### **Graduate Positions Available, Microbiology and Soil Science, U of Manitoba**

Graduate student positions (one MSc and one PhD) are available in the Departments of Microbiology and Soil Science at the University of Manitoba, Winnipeg, Canada. The successful applicants will be conducting microbiological and chemical analysis of drinking water samples from First Nations Communities in Manitoba. Applicants will also be testing the water samples for the presence of antibiotic resistance markers. The research will include trips to different communities participating in the study for collecting samples and knowledge translation.

The project is funded by CIHR and NSERC CREATE H2O Program for First Nations Water and Sanitation Security. Information about CREATE H2O program can be found here: [www.create-h2o.ca](http://www.create-h2o.ca).

Candidate should have a BSc or MSc degree in microbiology or biological science with a demonstrated strong academic performance. Any prior research experience will be an asset but a background in molecular biology, water analyses and/or community-based participatory research is preferred. Students that identify as Indigenous are particularly encouraged to apply, but we welcome applications from all students.

The PhD student stipend is \$21,000/yr which is guaranteed for three years, and that for the MSc student is \$17,500/yr which is guaranteed for two years.

Interested applicants should contact Dr. Ayush Kumar ([Ayush.Kumar@umanitoba.ca](mailto:Ayush.Kumar@umanitoba.ca)) or Dr. Annemieke Farenhorst ([Annemieke.Farenhorst@umanitoba.ca](mailto:Annemieke.Farenhorst@umanitoba.ca)) with a cover letter and a detailed curriculum vitae. Their websites are [www.ayushkumarlab.com](http://www.ayushkumarlab.com) and <http://cwse-prairies.ca/>, respectively.

### **Assistant Professor, Department of Soil Science, University of Wisconsin, Madison, WI**

The Department of Soil Science seeks applications for a tenure track faculty position soil physics. Soil physics is a core research area in the Department of Soil Science at the University of Wisconsin-Madison, and this position is integral to undergraduate and graduate programs in soil and environmental sciences. The candidate will explore topics in soil physics research such as: formation of soil structure in relation to

clay, biota, and organic matter; modeling transport of water, energy, solutes, and particulates; soil sensor development; and soil management and resilience. The candidate should be able to work cross-disciplinary, improving linkages across the food-water-energy nexus. The teaching component of the position would entail at minimum an undergraduate/graduate level course and a graduate level course. This position carries a commitment to the three functions of research, instruction, and outreach, as well as professional and university service as appropriate to faculty rank.

Anticipated start date: JANUARY 01, 2018. Application must be received by: **AUGUST 14, 2017**

To Apply: [click here](#).

## Events:

### **Bruce D. Campbell Farm and Food Discovery Centre, Summer Family Events**

The Bruce Campbell Farm and Food Discovery Centre (<http://umanitoba.ca/afs/discoverycentre/index.html>) will be hosting a variety of family friendly summer programming. 2017 Summer events are held on select Saturdays from 10:00 am to 2:00 pm on a drop in basis.

Saturday, July 8 – Ice Cream Party – Come join us at the Discovery Centre and make some homemade ice cream. A cold treat to enjoy on a hot summer's day!

Saturday, July 15 – Insect Investigation – Learn about the bugs that are all around us and then wander outside to catch insects buzzing around the Discovery Centre

Saturday, July 22 – Dairy Day – Explore the dairy barn and learn about how we get milk to make cheese and yogurt. Finish by helping make some fresh ice cream.

Saturday, July 29 – Canola Crush – Tour the Discovery Centre and learn how to crush canola seeds to make canola oil

Saturday, August 12 – Ice Cream Party – Come join us at the Discovery Centre and make some homemade ice cream. A cold treat to enjoy on a hot summer's day!

Saturday, August 19 – Pizza Party – Mix, knead and roll out your own pizza crust before topping it with some delicious, local ingredients.

Cost: \$5.00 per person over 5 years old. For more information, please contact our Discovery Centre Coordinator at (204) 883-2524 or [ffd@umanitoba.ca](mailto:ffd@umanitoba.ca).

### **Canadian Society of Biosystems Engineering Conference, Aug 6-10, 2017, Winnipeg**

Theme: " Food, Fuel, and Fibre for a Sustainable Future".

Online Registration Closes: July 14, 2017. More information: <http://www.csbe-scgab.ca/winnipeg2017>