

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/)

29 April 2016

Upcoming:

Monday, May 2 - Last day for instructors to submit grades.

Tuesday, May 3, 8:45 a.m., Room 346 Ellis Building – Soil Science spring orientation. It is very important that **ALL** Faculty, Staff and Students be present.

(8:45) Sign in.

(9:00) Welcome and Introductions - Paul Bullock

Office Support and Financial Administration - Lynda Closson, Jennifer Henderson, Terri Ramm

Laboratory Operations and Safety Updates - Rob Ellis

Field Equipment, Vehicle and Shed Use - Tim Stem

Departmental Social Activities, SSGSA - Megan Westphal

(10:00) Coffee/Donuts; Door Prize Draw; Prizes contributed by Edin Kurbegovic, VWR Scientific

You must be present to win a prize!

(10:30) Pre-Use Vehicle Inspections - Brad Sparling, Tim Stem

Bio Security Sanitation Demonstration - Kevin Baron, Tim Stem

Tour of Soils Shed – Tim Stem

All Field Workers and New Personnel should participate in the vehicle inspection and biosecurity demonstrations. New Personnel should attend the shed tour.

Thursday, May 4, 9:30 a.m., Room 375 Ellis – Department Council meeting.

Wednesday, May 11, 10:00 a.m. – Soil Science M.Sc. Thesis Defense, Room 346 Ellis Building. **Ahmed Lasisi**. “Investigation of the mechanisms by which perennial grasses prevent nitrate leaching from solid and liquid pig manures”.

Department Staff Away:

Lynda Closson

May 9

Wole Akinremi

Apr 20-Jun 4 (vacation, CSSS, Ghana)

Note: Jennifer Henderson will be attending the orientation and will be working Tues-Thurs next week.

News:

Dear CSSS members,

With this year's CSSS annual meeting fast approaching on May 14-19, it's time to start planning for the 2018 CSSS annual meeting. If you have ideas for location and a potential co-organizing society for the 2018 CSSS annual meeting please send your suggestions to Maja Krzic (maja.krzic@ubc.ca).

If you are attending the annual general meeting and CSSS 2016 conference in Kamloops, please be aware that additional spots are now available on the pre-conference tour of the Okanagan Valley. If you are interested in attending this tour, please contact Chuck Bulmer (chuck.bulmer@gov.bc.ca).

Soil Science Shed Construction

Construction is pending in the Soil Science shed sometime in the next 4 weeks.

- 1) Fire Alarm panel by the South Person Door will be replaced.
- 2) Observation windows are going to be added to the following room doors: drying room, soil grinding, plant tissue grinding and the growth chamber room. The grinding rooms will be out of service during construction.

Please note: windows are also going to be added to the 2 doors in Lab 359 Ellis.

Carman Agroecology Day

On April 13, Magda, Ashley and Timi presented at the Carman Agroecology Day to about 80 grade 10 kids at the U of M Carman Research station. Many students selected this presentation as their favorite. For more see <http://www.pembinavalleyonline.com/local/49660-high-school-students-explore-ag-careers-video> and <http://www.carmancollegiatecatsmeow.blogspot.ca/2016/04/agro-ecology-day.html>. Thanks to Rob Ellis, Paul Bullock and MAFRD's Ag Weather Program for the supplies.





Paper of the week:

Eragoda Amarawansa, G., Kumaragamage, D., Flaten, D.N., Zvomuya, F. and Tenuta, M. 2015.
Phosphorus Mobilization from Manure-Amended and Unamended Alkaline Soils to Overlying Water during Simulated Flooding. *J. Environ. Qual.* 44:1252-1262

Opportunities:

M.Sc. University of Manitoba Graduate Fellowship, Department of Soil Science

Applications are due **May 2**. For more information and to apply see:

[http://umanitoba.ca/faculties/afs/dept/soil_science/media/pdf/Call for Applications UMGF Soil Science Masters.pdf](http://umanitoba.ca/faculties/afs/dept/soil_science/media/pdf/Call_for_Applications_UMGF_Soil_Science_Masters.pdf).

Dr. Karl C. Ivarson Scholarship for graduate students in soil and related sciences

The Dr. Karl C. Ivarson Soil Sciences Scholarship provides financial support to a student entering the second or subsequent year of graduate studies in soil science (in the areas of agriculture, environment, geology, agro-ecology or other related disciplines) at a Canadian university. One scholarship of \$1,750 will be offered in 2016.

2016 Application Guidelines and Application Form can be found at www.aicfoundation.ca/ivarson-soils/.

Application Deadline: **June 8, 2016**

PhD Student Assistantship at University of Guelph: Measure, quantify and model GHG emission, School of Environmental Sciences, University of Guelph

3-year assistantship; degree starts September 2016.

Please check the university website for application deadlines. Contact Prof. Asim Biswas at asim.biswas@mcgill.ca and Dr. Elizabeth Pattey at Elizabeth.Pattey@canada.ca for more information or to apply for the position (send email to one and copy to the other).

Research Associate, Plant Pedological Phenotypes, Department of Soil Science, University of Sask

The Research Associate will report to Dr. Bobbi Helgason, Adjunct Professor and Visiting Scholar in the Department of Soil Science. The position is anticipated to be 0.5 FTE project management and 0.5 FTE research in support of P2IRC objectives of linking genotypes of wheat, canola and lentil crops to the structure and activity of the root microbiome.

Term: up to three years with the possibility of extension.

Please submit a CV, along with three references, to Dr. Bobbi Helgason, AAFC/Department of Soil Science, University of Saskatchewan, 51 Campus Drive, Saskatoon SK S7N 5A8. Email: Bobbi.Helgason@AGR.GC.CA, telephone 306 975 6510.

**PhD and a MSc Opportunity, Root traits and root-microbe interactions in contrasting crop genotypes
Department of Soil Science, University of Sask**

Candidates with a BSc or MSc in Soil Science, Plant Science, Chemistry, Microbiology, Environmental Science or related discipline are encouraged to apply.

The stipend for the MSc position is \$21,000 per year for 2 years and the PhD stipend is \$24,000 per year for 3 years.

Interested candidates should submit a CV and unofficial transcripts to Dr. Melissa Arcand via email to melissa.arcand@usask.ca.

Potato Diggers, Soil Ecology Lab, Department of Soil Science, University of Manitoba

The Soil Ecology lab will need help for 2-3 weeks with potato digs for yield in field experiments at end of August. We are **looking for 4-6 high school students** interested in working at that time. The work involves lifting and carrying. Please let Mario know if you know of interested students.

Bilingual Technical Support Supervisor, Monsanto Canada, Winnipeg

For more information and to apply:

<https://monsanto.taleo.net/careersection/2/jobdetail.ftl?job=016N7&lang=en>.

Communications Agronomist, International Plant Nutrition Institute, Saskatoon, Saskatchewan

We are looking for candidates who have a minimum of a MSc in Soil Science or Agronomy with strong English verbal and written communication skills, editing abilities, demonstrated competence with management of websites and web-based applications, and knowledgeable of social networking applications. This is an office-based job and preferred candidates will be self-starters who can work independently, but linked to a global team-oriented environment, and someone with an interest in international agriculture. The position involves limited international travel and will require the individual be eligible for a passport.

Interested parties should apply with an electronic copy of their resume, including the name and contact (preferably electronic) of 3 references who can comment on the candidates skills related to this job. IPNI provides competitive salary, pension, and medical benefits to its employees. A review of applications will begin immediately and continue until the position is filled. Interested candidates should contact Dr. Adrian Johnston at ajohnston@ipni.net.

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

Essential qualifications include graduation from a recognized College or University with a specialization in electronics, meteorology, agriculture, engineering or science related to the duties of the position, experience in installing and operating weather stations and/or in the use of atmospheric monitoring instrumentation, experience in operating data acquisition systems and in programming data loggers, experience in evaluating in situ the quality of acquired data, identifying instrument malfunctions, archiving and pre-processing data using Excel or other programming software (e.g., Matlab) and knowledge in calibrating gas analyzers, calculating flow characteristics and converting units of measure used in gas concentration calculations.

Closing date: **May 5, 2016**. The job is posted at this link: <https://emploisfp-psjobs.cfp-psc.gc.ca/psrs-srfp/applicant/page1800?poster=915765>.

For more information, contact Dr. Elizabeth Pattey, Research Scientist in Micrometeorology, Environmental Health, Agriculture and Agri-Food Canada, 2010-960 Carling Avenue, Ottawa, Ontario, K1A 0C6 Canada, Tel. : 613-759-1523, Fax : 613-759-1724, Elizabeth.Pattey@agr.gc.ca.

Manager, Agriculture Wildlife Program, Ministry of Agriculture. British Columbia

Salary: \$65,024.71 - \$81,215.73 annually

**The position is located in Kelowna, however other locations may be considered at the request of the successful applicant and based on operational requirements of the Ministry.

For more information on this career opportunity including how to apply online by **May 11th 2016**, please visit: <https://search.employment.gov.bc.ca/cgi-bin/a/highlightjob.cgi?jobid=32433>

Research assistant in agronomy, Coastal Zones Research Institute, Shippagan, NB

The candidate will work on projects in agronomy in the "peatlands, soils and sustainable development" team. This position is for a period of one year with possibility of renewal. Bachelor or Master Degree in agriculture, agronomy, horticulture or equivalent. The candidate must be available to perform both field and lab work. Knowledge of French is very important.

Salary: Based on the CZRI salary scale.

Applications by email are encouraged. Send your application, cover letter and resume before **Friday, May 20** to: Scientific director, Peatlands, soils and sustainable development, 232B, avenue l'Église, Shippagan, N.-B. E8S 1J2, Marion Tétégan Simon, PhD., Coastal Zones Research Institute inc., Courriel : marion.tetegan@irzc.umcs.ca

Events:

2016 Crop Diagnostic School Staff Student Day, Tuesday July, 5th, 8:30 am to 4:00 pm, University of Manitoba, Ian N. Morrison Research Farm, Carman Manitoba

Registration is limited. For additional information, contact:

Program:	Anatasia Kubinec	1-204-750-2717
Registration:	Monika Menold	1-204-745-5663

Reg Fee: \$50.00. Lunch and refreshments provided. School will run, rain or shine. Dress accordingly.