

# 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/)

**1 April 2016**

### Upcoming:

Monday, April 4, 8:30 a.m., Room 375 Ellis Building – The weekly technician meetings will return to 8:30 a.m. for the spring and summer. Tim, Rob and Bo Pan are all at these meetings each week. This is the time and location to approach them with requests for help. The 2016 season is expected to be just as busy, if not more so, than last year. Our department technicians try to coordinate activities to make the most efficient use of their time. “Walk-up requests” often cannot be accommodated. If you need assistance from any of them, make sure you attend or send someone to the meetings.

Wednesday, April 6, 12:30 p.m., Room 346 Ellis Building – Soil Science seminar series. Dr. Don Flaten, Department of Soil Science. Title: TBA.

Wednesday, April 13, 12:30 p.m., Room 346 Ellis Building – Soil Science seminar series. Dr. Tee Boon Goh, Department of Soil Science. Title: TBA.

Tuesday, May 3, Room 346 Ellis Building – Soil Science spring orientation. More details to follow.

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:

Paul Bullock	Apr 11-24 (vacation)
Mario Tenuta	Apr 16-27 (China)
Wole Akinremi	Apr 20-Jun 4 (vacation, CSSS, Ghana)

### News:

*Congratulations to Ashley Soloway*

Ashley successfully defended her M.Sc. on Wednesday this week. Congratulations!

### *Recent Presentations*

Annemieke Farenhorst presented on “Strategies to increase gender diversity in the workplace” to the Association of Consulting Engineering Companies of Manitoba on March 10.

The Outstanding Workplace Stories consists of a series of panel discussions. On March 11, panelists were Provost and Vice-president (academic) Dr. Joanne Keselman, AESES president Laurie Morris and FAFS professor Annemieke Farenhorst. The panelists shared their experiences about collaborations and answered questions from the university community about how they developed their collaborative style and what reconciliation means to them.

On March 29, Annemieke Farenhorst presented a webinar on Safe drinking water rights: A closer look at First Nations communities in Manitoba. The webinar was hosted by the Canadian Water Resources Association and attracted participants across Canada and internationally.

### *Graduate Student Summer Registration*

The issues with the summer registration have been resolved. Graduate students should now be able to register.

### *Paper of the week:*

**Jeke, N.N., Zvomuya, F. and Ross, L.** 2015. Moisture Effects on Nitrogen Availability in Municipal Biosolids from End-of-Life Municipal Lagoons *J. Environ. Qual.* 44:1883-1891.

## **Opportunities:**

### **Soil and Water Specialist, Irrigation and Farm Water Branch, Alberta Agriculture and Forestry, Lethbridge, AB**

As the Soil and Water Specialist with the Irrigation and Farm Water Division, you will have the exciting opportunity of providing a leadership role in scientific work that facilitates environmental stewardship of water resources for the agriculture and food industry. You will work in a dynamic team environment of scientists, agrologists, biologists, engineers, and technologists to participate in multi-discipline, multi-agency, applied-research initiatives important to the agriculture industry. The incumbent will have a strong knowledge of agricultural environmental sustainability issues, specifically related to soil and water quality. The successful candidate will have skills in field research design, measurement, and statistical analyses. Knowledge of agri-environmental contaminants and contaminant transport processes is required. Your strong analytical and written communication skills will be used to develop and communicate findings from applied research studies, and to develop scientifically defensible strategies that mitigate negative effects of agricultural practices on water quality, and to provide science-based information for policy development. The incumbent will utilize familiarity of Alberta's agriculture industry to ensure mitigation strategies are practical for agricultural producers and commodity groups. An important component of this position is the preparation and transfer of appropriate research information. The preferred candidate must demonstrate excellent listening, verbal and written communication, interpersonal, and partnering skills.

### **Qualifications**

University graduate in agriculture, environmental, or a related discipline, specializing in soil and water science plus three years related experience is required. Direct experience in developing and leading applied research teams, including conducting statistical analyses and applied research methodologies is required. Experience in project management and proficiency in computer use is also required. Knowledge of

agricultural soil and water issues as well as knowledge of pertinent legislation and guidelines is desirable. Practical experience in Alberta's crop or livestock industry or on-farm experience will be considered assets. Skill in the use of soil and water sampling field equipment and data loggers, and knowledge of laboratory procedures would be a definite asset. A valid Class 5 driver's license and eligibility for membership with the Alberta Institute of Agrologists are required. Candidates that do not meet the qualifications may be considered at a lower classification and salary. Equivalencies will be considered.

Salary: \$2,524.91 - \$3,462.47 bi-weekly; \$65,900 - \$90,370 annually

Job ID: 1034996. **Closing Date: 04/04/2016.** This posting may be used to fill future vacancies.

To view and/or apply for this job, go to <https://jobs.alberta.ca> and enter the name or Job ID number to get the posting.. Online applications are preferred. If you are unable to apply online, please submit your cover letter and resume, quoting the Job ID, to: Human Resource Services, Alberta Agriculture and Forestry, #304, J.G. O'Donoghue Building, 7000 - 113 Street, Edmonton, AB T6H 5T6. Phone: (780) 427-2111; Fax: (780) 427-3398. Applicants who apply online will be able to track the status of this competition.

## Events:

### **2016 MIA Members' Lunch and Annual General Meeting, April 14, Portage la Prairie, MB**

LOCATION: 245 Royal Rd S, Portage la Prairie, MB, PCU Centre - PRRA Inc

#### SPEAKERS:

##### Brunel Sabourin, Consulting Agronomist

Agriculture is a high tech business. It's a field that includes auto tracking, remote equipment monitoring, and data management – sophisticated tools with potential for greater productivity and profit. While these and other innovations are already part of the landscape, this presentation will explore the massive potential of acquiring, interpreting and delivering advice. Will data become the dominant technology?

##### Dr. Karin Wittenberg and Dr. Brian Amiro

Some say the faster we uncover the opportunities presented by climate change for innovation, the better chance we stand of adapting successfully. These experts will help us look ahead to 2050 to understand the steady beat of a growing global population and what adaptations Agrologists and others will need to help put safe food on the table, boost the economy, and protect the environment.

Member's Lunch at 12:00 noon to 1:00 p.m. The 2016 AGM will start at 1:00 p.m. The AGM of the Manitoba Institute of Agrologists is a requirement of the Agrologist Act and ByLaws. The business meeting agenda includes financial information and other information of interest to you, as members for the past year. It includes the Election of Provincial Councilors and Recognition of Outgoing Councilors.

More information and to register:

<http://events.r20.constantcontact.com/register/event?llr=gнк5icmab&oeidk=a07ecftqr1b08c72955>