

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

22 September 2017

Upcoming:

Friday, Sep 22 – Special Event at Investors’ Group Field. **Parking restrictions will be in effect for W lot starting at 5:30 p.m.**

Tuesday, September 26, 1:00 p.m., Room 346 Ellis Building – Department of Soil Science, Ph.D. thesis defense, Surajum Munira. “Competitive Sorption Interactions of Organic and Inorganic Chemicals in Soils”

Thursday-Friday, Oct 5-6 – Fall Term Break. No classes.

Thursday, Oct 5, 12:00 noon, Room 346 Ellis Building – Soil Science Potluck Lunch. Please sign-up on the sheet in the main office to bring a dish.

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

Saturday, Oct 14 – Special Event at Investors’ Group Field. **Parking restrictions will be in effect for W lot starting at 1:30 p.m.**

Department Staff Away:

Carmela Cianflone	Sep 22-Oct 6
David Lobb	Sabbatical July 01 – December 31, 2017
Mario Tenuta	Sabbatical July 01 – December 31, 2017

News:

Startling analysis on the costs of soil degradation

David Lobb’s analysis of the on-going costs of degraded soils (\$3.1 Billion per year) is a shock to many people. You can read about it in Laura Rance’s article in the Manitoba Cooperator. ([click here](#))

Tee Boon Goh was presented with his award

On Wednesday, the 1st Year Agriculture Diploma Students from 2016-17 presented their Teacher of the Year Award to Tee Boon Goh. Drew Luhowy and Brent Cardy made the presentation on behalf of the class. Congratulations Tee Boon!



A Visiting Student is coming to the Soil Science Department next week



Mr. Wennong Kuang is a PhD student in Xinjiang Institute of Ecology and Geography of Chinese Academy of Sciences (CAS). He was born in Guizhou Province in Southwestern China. He did his undergraduate study in Beijing Forestry University and masters in the Institute of Applied Ecology in CAS. His current project is focused mainly on agronomic and environmental impacts of fertilizer N management for cotton production grown in a drip irrigation system in arid area of China. Wennong will be working as a visiting student in the Soil Ecology lab under supervision of Prof. Mario Tenuta and Dr. Xiaopeng Gao for a 12-month period beginning on September 25th. His visit is funded by the “China Scholarship Council-University of Manitoba Joint Scholarship Program”.

Welcome to the department.

Paper of the week:

Chen G, Elliott JA, **Lobb DA**, **Flaten DN**, Braul L, Wilson HF. 2017. Changes in runoff chemistry and soil fertility after multiple years of cattle winter bale feeding on annual cropland on the Canadian prairies. *Agriculture, Ecosystems & Environment* 240: 1–13.

Opportunities:

Student Initiative Fund

Do you have an idea or project in mind that may benefit undergraduate students of the Faculty of Agricultural and Food Sciences? Did you know there is funding available for such proposals?

The Student Initiative Fund has been established by students in the Faculty of Agricultural and Food Sciences. Its purpose is to provide support for undergraduate student activities, initiatives, events, or in support of services that benefit students in the Faculty.

Initiatives may include:

- Educational equipment
- Renovations
- Student professional development
- Maintenance of spaces used exclusively or almost exclusively by students (e.g. FASO offices; student lounge)
- Other worthy initiatives.

Applications may be made by students and/or staff! The application deadline is **September 29** at 12 noon. Complete information and the SIF application form can be found [at this link](#).

Graduate Student Awards with October 1 deadline

There are graduate student awards currently open for competition with a deadline of **October 1, 2017**. Soil Science graduate students are eligible for all of those listed below. All of the application forms and eligibility criteria can be found on the Faculty Awards Database:

<https://agawards.agric.umanitoba.ca/index.php/admin/award>

- Lord Selkirk Association of Rupert's Land Agriculture Scholarship
- John Dueck Graduate Entrance Scholarship (PhD)
- Stewart Pugh External Study Scholarship graduate
- W.W. Thomson Scholarship Degree/Graduate

All qualified candidates are encouraged to apply! The Faculty Awards Committee will meet in October to select winners for each award. If you have been recommended by the Committee, you will receive an email by the first week of November. Please feel free to contact Marisol Soto at agawards@umanitoba.ca if you have any questions about the awards or the application process.

University of Manitoba Bursaries

Every year, the University of Manitoba offers a wide-range of bursaries to both new and continuing full time and part-time students who have a demonstrated financial need and a minimum academic standing. Bursaries (student funding that does not need to be repaid) range in amounts from \$100 to \$1,000 with over \$3 million awards annually.

Application information is available at: http://umanitoba.ca/student/fin_awards/bursaries/index.html.

Application Deadline: **October 1, 2017**

2018 NSERC Scholarships and Fellowships Competition

The following table provides a list of NSERC scholarships and fellowships programs and their respective deadline dates. All program descriptions have been updated for the upcoming competitions. For an overview of changes, consult the Summary of Changes [web page](#) on the NSERC website.

<u>Program</u>	<u>Tri-Council Deadline</u>
Canada Graduate Scholarships-Master's (CGS M) Program (Note internal deadlines below)	December 1, 2017
Alexander Graham Bell Canada Graduate Scholarships-Doctoral (CGS D)/NSERC Postgraduate Scholarships-Doctoral (PGS D) Programs (Note internal deadlines below)	November 27, 2017
NSERC Postdoctoral Fellowships (PDF) Program	October 16, 2017
Canada Graduate Scholarships – Michael Smith Foreign Study Supplements (CGS-MSFSS) Program	October 10, 2017
Foreign Study Supplement in Taiwan	February 1, 2018
Japan Society for the Promotion of Science Postdoctoral Fellowships (JSPS)	January 25, 2018

The NSERC PGSD online application form is now available. The application process for the PGS and CGS programs remains a fully electronic submission system for this year. Students will complete their application using NSERC's on-line application system and are not required to print and sign paper copies. NSERC has continued to permit online access to the NSERC applications by university representatives. Please contact Rowena.Krentz@umanitoba.ca if you are interested in having one representative in your department provided with online access. Departments can use this access to ensure that their students' applications are complete, and to provide feedback.

There are two deadlines to note for the NSERC PGS\CGS competition; a transcript submission deadline and an on-line application submission deadline. Applicants must submit official transcripts from all institutions attended in sealed envelopes to Rowena.Krentz@umanitoba.ca at 500 University Centre by **October 6, 2017**. This will provide time for her to upload transcripts so that students can submit their application electronically by **October 20, 2017**. Refer to the [FGS Awards Database](#) for detailed instructions related to submitting transcripts.

Should you have any questions specific to the above awards, do not hesitate to contact NSERC by email at schol-slo@nserc-crsng.gc.ca.

MSc Opportunity, University of British Columbia, Vancouver, BC

Focus: Greenhouse gas (CH₄, N₂O, CO₂) fluxes in the root zone of agricultural soils using chamber and gradient techniques.

For more information contact Dr. Andy Black (andrew.black@ubc.ca).

Education / Research Support Technician, University of British Columbia, Vancouver, BC

The Education/Research Support Technician oversees all Applied Biology labs within the HR MacMillan (MCML) building at the University of British Columbia, Vancouver and provides technical support to laboratories/PBL courses and teaching activities including managing and delivering lab training and orientation, equipment set/clean up, troubleshooting and developing methodologies for both laboratory and field experiments and procedures. This position plays a key role in the MCML HSE and Space Committees and is the primary point person regarding the Faculty's vehicles. The closing date for this job posting (<http://staffcareers.ubc.ca/27723>) is 11:59pm on September 27, 2017.

We encourage all qualified candidates to apply and if you need an additional couple of days to apply beyond Sep 27, 2017, please send your application & CV to Dr. Maja Krzic (maja.krzic@ubc.ca) by **October 4, 2017**.

Postdoctoral Position, University of Alberta, Edmonton, AB

A postdoctoral position is available in the Department of Renewable Resources at the University of Alberta for an agroforestry project funded by the Agricultural Greenhouse Gas Program (AGGP). The main objective of this project is to understand mechanisms controlling carbon sequestration and greenhouse gas emissions in agroforestry systems.

The position is available immediately and until filled. The initial appointment is for 1.5 years with possible renewal depending on continued funding and candidate performance. This position is for someone who finished a PhD degree after 2015 because the University of Alberta restricts postdoc position to a maximum of 5 years after the completion of the PhD degree.

Ability to communicate effectively in English and evidence of productivity from previous work and/or evidence of strong ability to publish in quality peer-reviewed journals are essential. The candidate must be highly motivated, able to work independently but at the same time be a good team player. The candidate also needs to have a valid driver's license (non-conditional) and a good driving record.

To be considered, please send an unofficial copy of your university transcripts, curriculum vitae, names and contact details of two referees, and a short statement of your research interest (maximum two pages, preferably one page) by email. Please note that incomplete applications will not be considered and only successful candidates will be contacted for interview or for offering a position.

Contact Dr. Scott Chang at sxchang@ualberta.ca or 1-780-492-6375 for more information or to send in an application.

2018 Canola Agronomic Research Program

The objective of the CARP Program is to help canola growers increase yield, increase profitability and reduce production risk while enhancing sustainability through quality grower group-funded research and effective technology transfer. 2018 CARP Letters of Intent (LOIs) are being solicited on behalf of the three provincial canola grower organizations. Collaboration with multiple organizations/facilities is welcomed and encouraged.

The 2018 CARP research priorities:

- Disease
- Fertility

- Integrated Pest Management & Sustainability
- Stand Establishment
- Harvest and Storage Management

Links: [2018 CARP Research Priorities](#) [2018 CARP LOI template](#)

Deadline for submission of 2018 CARP LOI: **October 31, 2017**. All submissions should be sent to the attention of Gail Hoskins, CCC Crop Production Administrator and CARP Coordinator at:

hoskinsg@canolacouncil.org

Notifications and requests for Full Proposals will be sent to applicants by Thursday, November 30, 2017.

Mitacs Funding for Collaborative International Research

Mitacs is accepting applications for competitive international research opportunities, including student travel to and from Canada. The deadline to apply is **November 8, 2017**, at 5 p.m. PT. Projects last 12–24 weeks and are open to graduate students in all disciplines. Select destinations are also open to senior undergraduates. Funding varies by destination.

Students in Canada can do research in:

- | | | |
|----------|----------|-----------|
| • Brazil | • India | • Mexico |
| • China | • Israel | • Tunisia |
| • France | • Korea | |

Students from France can do research in Canada.

Graduate students can also apply to the [Mitacs-JSPS Summer Program](#), which supports travel to Japan for a 10-week research project in Summer 2018. To learn more about these initiatives, visit the [Globalink web page](#) or contact Mitacs International at international@mitacs.ca.

Events:

Ag Biotech Summit 2018, Feb. 20-21, Chapel Hill, NC

The 2018 Ag Biotech Summit will focus on the importance of soil health, highlighting challenges being faced and the responsibility needed to provide a sustainable future. This event will showcase today's emerging trends and innovative technologies that are fostering and promoting soil health. Session topics will include soil health and its impacts on plant production, animal and human health, sustainability and land management as well as sustainable economic impacts from the intersection of physical and biological science.

For more information: <http://www.ncbiotech.org/agbiotechsummit>.