

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 on our
webpage: [umanitoba.ca/afs/soil science/](http://umanitoba.ca/afs/soil%20science/)

9 March 2018

Upcoming:

Wednesday, Mar 14, 12:30 p.m., Room 346 Ellis Building – Soil Science seminar series. Presenter: Wennong Kuang, Visiting PhD student, Department of Soil Science. Title: Linkage between Soil Profile N₂O Accumulation and Surface Emission: Effects of Soil Moisture and Fertilizer Nitrogen.

Wednesday, Mar 21, 12:30 p.m., Room 346 Ellis Building – Soil Science seminar series. Presenters: Eric Bremer, PhD, R&D Manager, Western Ag Innovations, Cheyne Ogilvie, MSc candidate, CCA, PAg, Western Ag Innovations and Edgar Hammermeister, PAg, Manager, Western Ag Professional Agronomy – Manitoba. Title: From Data to Decisions: Quantifying Soil Nutrient Supply Power Using PRS® Technology.

Wednesday, Mar 28, 12:30 p.m., Room 346 Ellis Building – Soil Science seminar series. Presenter: Dr. Assem Abu Hatab, Assistant Professor, Food & Agricultural Economics Group, Swedish University of Agricultural Sciences. Title: Urban Sprawl, Food Security, and Agricultural Systems in Developing Countries: A Systematic Review of the Literature.

Department Staff Away:

Mario Tenuta

March 9-14

News:

Welcome to Flor Toribio

Flor is our new Administrative Assistant. She is originally from the Dominican Republic where she worked at Pontificia Universidad Catolica Madre y Maestra in Santiago for several years. She has a B.Sc. in Business Admin from that university and a M.Sc. in Service Leadership and Innovation from Rochester Institute of Technology, New York. She came to Canada last year and is very happy to be working again at a university. She is in Room 366. Please give her a “warm” welcome to the department! (flor.toribio@umanitoba.ca)

Welcome to Jill Seniuk Cicek

Jill will be working with Brian Amiro on the Faculty Curriculum Renewal project until the end of June. Jill has a background in both Fine Arts and Education and is currently completing her Ph.D. in Engineering Education. Jill is in room 286; stop by and say “hi”. (umseniuk@myumanitoba.ca)

Megan Bourns is in the 3MT finals!

Three Minute Thesis finalists, 13 masters and doctoral students, have been chosen in three competitive heats this past week for the finals on March 21, 2018. Megan Bourns is one of the finalists! Congratulations!! [Read more.](#)

Magda's M.Sc. study is featured in Top Crop Manager

The results of former M.Sc. student, Magda Rogalsky's corn study were featured previously in the Country Guide and now in Top Crop Manager. Congratulations!

[http://magazine.topcropmanager.com/publication/?m=1031&l=1#{"issue_id":478029,"page":32}](http://magazine.topcropmanager.com/publication/?m=1031&l=1#{)

Canadian Student Soil Judging Team for the WCSS 2018

As a member of the International Union of Soil Science, the Canadian Society of Soil Science can nominate a national student team to participate in the 3rd International Soil Judging Contest at the 2018 World Congress of Soil Science in Rio de Janeiro (<https://www.21wcss.org/?secao=conteudo&id=109>). The CSSS has set aside funds to cover the cost of accommodations and meals, as well as local transportation (Rio-Seropedica-Rio), for the team during the period of the Contest. Graduate students who are registered to attend the WCSS (required), and are interested in being considered for the team, are asked to contact Dr. Richard Heck at the University of Guelph (rheck@uoguelph.ca), providing their CV, a brief cover letter and a short letter of recommendation. Candidates selected for the team should also be willing to participate in a series of meetings (teleconference, web-based), to help prepare for the event and build team unity. Since the names of the team must be submitted by March 30 2018, interested individuals are asked to submit their application by **March 9 2018**.

Canadian Bid to Host 2026 WCSS

As a national member of the International Union of Soil Science, the Canadian Society of Soil Science is preparing a bid to host the 2026 World Congress of Soil Science. The WCSS is held every 4 years: Brazil is hosting in August of this year (www.21wcss.org) and Scotland will be hosting in 2022; Canada last hosted the WCSS in 1978 in Edmonton. The decision of future hosts is made eight years in advance, by delegate voting held at a WCSS – so the decision for 2026 will be made in Brazil. Aside from the week of technical sessions, the event typically involves an international soil judging contest during the pre-conference week, as well as local excursions (mid-conference week) and regional tours (post-conference week). Individuals interested in participating in the development of the bid are asked to contact Dr. Richard Heck at the University of Guelph (rheck@uoguelph.ca).

International Graduate Student Scholarship (IGSS) reminder

Deadline: **April 11, 2018**.

More information on the FAQ page: http://umanitoba.ca/faculties/graduate_studies/funding/igssfaq.html.

If you are planning to transfer from a Master's to a PhD program, or to apply to a PhD program for the Summer 2018, Fall 2018 or Winter 2019 term after April 1st, 2018, you are encouraged to apply and must apply by the April 11th deadline if you wish to be considered for the IGSS for the 2018 -2019 academic year. Even if you are unsure of what you will do, you are encouraged to submit an application.

International Students who are unsure if they are eligible to apply are encouraged to submit an application. An assessment of eligibility will be performed once your complete application is received.

signUM Password and Usage Agreement expirations

The University's password [password standard](#) and [computer accounts usage agreement](#) requires everyone to change passwords and re-accept the usage agreement on an annual basis. signUM will begin enforcing password expirations and usage agreement re-acceptances starting **March 26th**. This will apply to all individuals who have not changed passwords or re-accepted the usage agreement in the previous 365 days. Expirations will happen gradually over the next year. The first phase will focus on staff and sponsored accounts. Students will follow. In the coming weeks, Information Services and Technology (IST) will provide further information to staff, students, and faculty via digital screens and UM Today.

For more information: [click here](#). If you have any questions or comments about this process, contact the Project Manager, Mary Lepage at marty.lepage@umanitoba.ca.

Paper of the week:

Duminda, DMS; **Kumaragamage, D**; Indraratne, SP; **Flaten, DN**. 2017. Fertilizer-induced phosphorus dynamics in alkaline-calcareous soils as influenced by soil chemical properties. *Can. J. Soil Sci.* 97: 159-170.

Opportunities:

Technical Support Specialist, Arysta LifeScience, Manitoba

This opportunity will be exciting for a motivated professional with a strong interest in providing agronomic support and technical expertise to farm customers, industry partners, and Territory Sales Managers within the Manitoba Region. The Technical Support Specialist will work with the Development Manager to assess agronomic challenges and find solutions to meet those challenges.

Qualifications include:

- BSc or BA Degree in Agriculture or Business; Master's degree in agronomy considered an asset;
- 3+ years of research, agronomy and/or sales experience in the life science or related agriculture industry;
- excellent customer service skills with a proven track record of success working with growers, retailers and agronomic consultants;
- strong negotiation and collaboration skills;
- strong organization skills in areas of time management and priority allocation;
- excellent written and oral communication skills, including strong listening and presentation skills, good judgment and high ethics;
- proficiency with various word processing and spreadsheet applications; and,
- ability to maintain a home-based office.
- This position requires registration with the Agrologists Institute in Manitoba.

Salary commensurate with experience, qualifications and ability. Apply with resume, to: email: patti.mckenzie@scottwolfe.ca by **March 9, 2018**.

Director, Environmental Science Program, University of Calgary, Calgary, AB

The Faculty of Science invites applications for an appointment with tenure at the rank of Associate Professor to serve as the Director of the Environmental Science Program. The appointment will preferably

commence on July 1, 2018. The Directorship appointment is a five-year term, renewable based on successful performance.

The successful candidate will have:

- PhD and field experience in hydrology, hydrogeology, biogeochemistry, soil science or related sciences.
- Enthusiasm for developing and leading environmental science field courses.
- Evidence of teaching excellence and teaching development.
- Passion for multidisciplinary, inquiry-based and community-based approaches to learning,
- Ability to work effectively with individuals from diverse communities and cultures.
- Demonstrated leadership record including program administration, mentoring/coaching of academic staff and students, managing change and working effectively within a leadership team.

Applications must include a cover letter, curriculum vitae, and teaching dossier (including statements of teaching philosophy and educational leadership statements, teaching evaluations). The applicant must provide the names and contact information of three references. Applications should be sent via email in a pdf format and addressed to: Dr. Cindy Graham, Vice-Dean, Faculty of Science, University of Calgary, 2500 University Dr NW, Calgary, Alberta, T2N 1N4, Email: scidean@ucalgary.ca. Applications will be reviewed starting **April 2, 2018** until the position is filled.

Professor and Chair, Department of Soil and Water Sciences, Institute of Food and Agricultural Sciences (IFAS), University of Florida Gainesville, Florida, USA

For full consideration, candidates should apply and submit additional materials by **15 April 2018**. The position will open until a viable applicant pool is determined. This position is available Fall 2018 and will be filled as soon thereafter as an acceptable applicant is available.

Qualifications:

- The Chair must have an earned Doctorate (foreign equivalent acceptable) in Soil and Water Sciences, Environmental Sciences, Natural Resources, or a related discipline.
- A record of outstanding scholarly achievement and professional activities related to teaching, research, extension, and/or industry that will qualify the individual to be a tenured full professor in the Department
- Evidence of ability to direct an academic department engaged in teaching, research, and extension activities at a major Land-grant university with faculty located throughout the state
- Demonstrated ability to direct interdisciplinary, grant funded fundamental science and applied research
- Ability to lead and manage multidisciplinary programs
- Effective administrative leadership and managerial skills in: defining organizational objectives; developing strategic approaches to planning; managing human, fiscal, and physical resources; motivating people and developing effective teams; pursuing entrepreneurial opportunities; generating and managing grant funds in support of teaching, research, and extension; facilitating mentoring and retention of new faculty; securing private funds; and attending to details.
- Strong commitment to undergraduate and graduate student recruitment and retention for all academic programs in Soil and Water Sciences

- Demonstrated ability to interact well with students, faculty, staff, administrators within the university, and external stakeholders at the state, federal, and international levels • Effective leadership in outreach to industry and engagement with diverse clientele groups
- Commitment to shared governance and fostering strong collaborations among state faculty located on the main campus and at the IFAS Research and Education Centers
- Commitment to continued professional development for self, and faculty and staff
- Commitment to international programs
- Strong support and understanding of the mission of a Land Grant university

Individuals wishing to apply must go online to <http://explore.jobs.ufl.edu/cw/en-us/job/506504>. Please refer to Position 0001-3552 and forward all nominations to: Dr. Eric C Hellgren, Chair, Search and Screen Committee, Department of Wildlife Ecology and Conservation, P.O. Box 110430, University of Florida, Gainesville, FL, 32611-0430, Phone: 352-846-0552, Email: hellgren@ufl.edu.

PhD Graduate Research Assistantship, Department of Soil Science, North Dakota State University, Fargo, ND

The Department of Soil Science, North Dakota State University, is seeking a highly motivated and skilled PhD graduate research assistant (GRA) to lead field research on cover crops and tillage practices to enhance soil water management in the northern Great Plains.

Qualifications:

- A recent M.S. in Soil Science, Agricultural Engineering, Hydrology, Agronomy, Plant Science or closely related field,
- Evidence of field and laboratory research skills,
- Evidence of excellent oral and written communication skills and organizational skills,
- Evidence of collegiality and civility in the workplace, and
- Valid driver's license and excellent driving record.

Preferred Qualifications:

- Experience in soil moisture, soil-water-plant relations, and field water balance monitoring and modeling,
- Demonstrated ability to manage and analyze large datasets,
- Demonstrated ability to perform field work under physically demanding conditions,
- Demonstrated ability to work and communicate collegially in collaborative teams,
- Demonstrated ability to work and communicate effectively with agricultural producers, and
- Available to begin summer 2018.

Send a letter of interest, copy of academic transcripts, and CV to: Aaron L.M. Daigh. Assistant Professor of Soil Physics, Department of Soil Science, North Dakota State University, aaron.daigh@ndsu.edu.

2018 IPNI Scholar Awards Program

Deadline: **April 25, 2018**. Graduate students attending a degree-granting institution located in any country with an IPNI program are eligible. Awards of US\$2,000 each will be conferred to students in sciences relevant to plant nutrition and management of crop nutrients. More information: <http://www.ipni.net/awards>.

2018 Storkan-Hanes-McCaslin Foundation Awards

A major aim of the foundation is to encourage research by offering financial assistance to graduate students who are working on soil-borne diseases of plants. The research must be done in the United States, Canada or Mexico. Foundation policy is to contribute to the education of the student. In addition to unrestricted cash awards (which range from \$5,000 to \$10,000 and can be used for any purpose that will benefit the education of the student including personal expenses), new awardees will also receive round-trip fares to the 2018 ICPP (hosted by the APS) Boston, Massachusetts meeting and are presented their awards at a luncheon attended by their research advisors, previous awardees, and members of the Foundation Committee. Grants are made on a yearly basis and may be renewed upon review by the committee. Since the award is highly competitive, unsuccessful applicants are encouraged to update their proposal for future consideration. The research for which the award is given is expected to be performed by the applicant during the academic year 2018–2019, and a one page progress report is due one year from the date of the award. It would be appreciated if the Foundation were acknowledged in research publications stemming from this Award. To be considered for funding, each proposal should be carefully prepared in accordance with the instructions given below and submitted electronically, no later than **May 1, 2018** to: Dr. Michael Stanghellini (Chair of the Selection Committee), e-mail address: michael.stanghellini@ucr.edu.

Please submit a combined file containing:

- (i) a short, two–three page research proposal containing a concise statement of the objectives, methods and materials, and projected impact of the proposed research (note: a budget is not required)
- (ii) a one page resume (i.e., a brief education and research background, including a telephone number and e-mail address), and
- (iii) a letter of recommendation from the applicant’s major professor or research director.

Preference will be given to those proposals containing innovative, creative, and/or novel research approaches to the stated objective(s), and to the overall quality (organization, correct English grammar and spelling) of the written proposal. Funding will begin September 1, 2018.

Events:

Joint CGU-CSSS-CSAFM-ES-SSA-CIG Meeting, Jun 10-14, 2018, Niagara Falls, ON

The online abstract submission portal and a full list of special and general sessions are available at: <https://meeting2018.cgu-ugc.ca/program/>. The deadline for abstract submission has been extended to **March 16**.

More information about the 2018 CSSS-CGU conference can be found at <https://meeting2018.cgu-ugc.ca/>.

Manitoba Institute of Agrologists, Annual General Meeting, Apr 11, 2018, Portage la Prairie, MB

The 68th Annual General Meeting of MIA will be held at the William Glesby Centre, Portage la Prairie, MB on Wednesday, April 11, 2018 starting at 1:30 p.m.

Download AGM Notice: [click here](#).