

# THE SOILED PROFILE



## NEWSLETTER DEPARTMENT OF SOIL SCIENCE UNIVERSITY OF MANITOBA “bringing you the latest dirt”



UNIVERSITY  
OF MANITOBA

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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/)

**22 January 2016**

### Upcoming:

Friday, January 22, 12:30 p.m. – Soil Science M.Sc. Thesis Defense, Room 346 Ellis Building. Brian Miller. “Soil Moisture, Vegetation and Surface Roughness Impacts on High Resolution L-Band Microwave Emissivity from Cropped Land during SMAPVEX12”.

Wednesday, January 27, 12:30 p.m., Room 346 Ellis Building – Soil Science seminar series. Dr. David Lobb, Department of Soil Science. Title: TBA

### Department Staff Away:

Tim Stem will be away most Fridays for the next few weeks.

### News:

#### *Congratulations to Inoka and Yeukai!*

Inoka is first author on a paper just accepted that was selected for a website story and news release for the general public by the Journal of Environmental Quality. It was selected because it addresses two separate but related questions having to do with antibiotics used in animal agriculture. The current citation is below. You can find it under “First Look” at the Journal of Environmental Quality.

Yeukai is first author on a paper just accepted by the Soil Science Society of America Journal that has been selected for promotion in CSA News magazine and on their “Research Highlights” web page. The current citation is also below. You can find it under “First Look” at the Soil Science Society of America Journal.

Francis’s graduate students have had 4 journal publications featured in the past few months. This is a very impressive accomplishment. Well done everyone!

*Papers of the week:*

**Amarakoon, I.D., Zvomuya, F., Sura, S., Larney, F.J., Cessna, A.J., Xu, S. and McAllister, T.A.** Dissipation of antimicrobials in feedlot manure compost following oral administration vs. fortification post-excretion. *J. Environ. Qual.* doi:10.2134/jeq2015.07.0408.

**Katanda, Y., Zvomuya, F., Flaten, D.N. and Cicek, N.** Hog Manure-Recovered Struvite as a Phosphorus Fertilizer for Canola and Wheat: Effects on Biomass Yield and Phosphorus Use Efficiencies. *Soil Sci Soc Am J* doi: 10.2136/sssaj2015.07.0280.

*New for 2016 – Summer Registration required for all graduate students*

Commencing Summer Term 2016, all continuing Faculty of Graduate Studies students will be required to register in Summer Term in order to maintain continuous registration. Students in Faculty of Graduate Studies programs are required to maintain continuous registration throughout their period of study and until completion of the degree. Exceptions are permitted for students who have been granted an exceptional or a parental leave of absence. Students who have been granted a regular leave of absence must maintain continuous registration.

Registration for Summer Term will open the week of March 21, 2016 – specific registration times will be visible in Aurora in early March. The deadline to register for Summer Term is May 6, 2016. As is the case in Fall and Winter Terms, students who fail to register may be subject to discontinuance from their program.

In past years, students have been required to register in each Fall and Winter Term, with Winter Term registration considered to extend through to the end of Summer. Formal registration in Summer Term has not been required. However, problems have been identified with respect to this past practice, including: modification of the tax credit program to provide 12 months of credit with only 8 months of registration; and liability issues with respect to unregistered students participating in laboratory and field work activities. To address these concerns, all Faculty of Graduate Studies students who are continuing in their programs beyond Winter Term 2016 will be required to register in Summer Term. Those students who are not enrolled in course work will be required to register in the applicable Masters or PhD courses: Thesis, Comprehensive or Candidacy Exam, Studio, Re-Registration, Practicum, etc. This change does not affect the three weeks of vacation over a 12 month period to which students are entitled. Students will be referred to their academic unit for direction as to which course(s) to enroll in.

Students will not be assessed Program Fees or Continuing Fees in Summer Term. Applicable student organization and ancillary fees will be assessed. Students will be advised to contact their department or academic unit for further information regarding registration procedures in Summer Term.

## **Opportunities:**

**Manager, Front Line Ag Extension G5, Agrologist 5, Manitoba Agriculture, Food and Rural Development GO Centres, Agri-Food and Rural Economic Development, Various rural locations, MB**

Duties: Reporting to the Director, the manager is responsible for providing management and leadership to the section and administers and oversees the administration of the section's programs. The incumbent leads and supports the implementation and co-ordination of strategic and business plans and the extension of programs related to the continued development and advancement of a profitable and sustainable industry.

Conditions of Employment:

- Must be legally entitled to work in Canada.
- Must be eligible for membership in the Manitoba Institute of Agrologists with Professional Agrologist designation.
- Must possess and maintain a valid Manitoba class 5 driver's license.
- Access to a personal vehicle for business purposes; to attend meetings, and other work locations as required.
- Physically capable of working outdoors, in various environmental conditions.

Essential:

- Bachelor of Science in Agriculture or a combination of relevant education and experience may be considered.
- Experience in front line agriculture extension and client service.
- Knowledge of agriculture production in Western Canada.
- Experience working in a Canadian agricultural production setting.
- Supervisory experience, which includes but is not limited to: leading, planning, coaching and performance management.
- Experience in strategic planning and project management.
- Excellent written communication skills.
- Excellent verbal communication skills.
- Strong time management and organization skills.
- Strong interpersonal skills with the ability to building and maintain effective working relationships with clients, colleagues, organizations, and other stakeholder groups.
- Ability to work independently with minimal supervision.
- Experience using Microsoft Office applications (Word, Excel, Outlook, PowerPoint) and databases in an office setting.

Desired:

- Experience using Microsoft SharePoint.

Salary: G5 \$67,325.00 - \$88,487.00 per year

Closing Date: **January 26, 2016**

An eligibility list may be created for similar positions and will remain in effect for 12 months. Candidates who do not meet all essential criteria may be considered on an underfill basis at a commensurate rate of pay.

Apply to: Advertisement No.31552, Human Resource Services, 300-305 Broadway, Winnipeg, MB, R3C 3J7, Phone: 204-945-8615, Fax: 204-948-2193, Email: [govjobs@gov.mb.ca](mailto:govjobs@gov.mb.ca)

WHEN APPLYING TO THIS POSITION, PLEASE INDICATE THE ADVERTISEMENT NUMBER AND POSITION TITLE IN THE SUBJECT LINE AND/OR BODY OF YOUR EMAIL.

**ENVIRONMENTAL SCIENTIST AND TEAM LEAD, SYLVIS, New Westminster, BC**

The Environmental Scientist is a subject matter expert who manages projects related to the beneficial use of biosolids, ash, effluent and/or other residuals. As a Team Lead, you will provide administrative and

human resource support to a small group of environmental scientists, project managers and project coordinators to ensure project and company objectives are met.

- use your technical knowledge of residuals, agronomy, soil science, plant science, reclamation and/or other related discipline to act as a technical advisor; you will interpret and report on soil, water, residual and vegetation analyses.
- use your exceptional communication skills to deliver high quality products to our clients; you will author and review proposals, presentations, reports and articles; you will lead meetings, host open houses, conduct tours, and make presentations.
- use your project management skills to deliver projects on-time and on-budget; you will use SYLVIS tools and metrics to set goals, monitor and evaluate project progress and enable successful outcomes.
- use your attention to detail to evaluate team and project metrics; you will use these metrics to further support and develop both your team and the company.
- use your interpersonal skills to work effectively in a multi-disciplinary environment to ensure both project and company objectives are met.
- use your leadership skills to motivate the team; you will be responsible for managing team development and performance.

Requirements:

- a professional (e.g. PAg, RPBio, RFP, PEng) qualified to work in BC or eligible for transfer to BC through an agreement with a reciprocal organization.
- a minimum of four years of experience in a related, progressing role including client liaison and development.
- a minimum of two years consulting and/or operational experience with biosolids or other residuals such as wood ash, compost and effluent.
- a minimum of two years supervisory experience in a professional environment
- a graduate degree in a relevant environmental science-based discipline (e.g. agronomy, plant science, soil science, environmental management, environmental engineering) or combination of undergraduate degree and additional experience.
- experience interpreting analytical data and managing environmental policy.
- excellent professional writing and oral communication skills.
- exceptional organizational skills and meticulous attention to detail.
- able to work at the New Westminster office and willing to travel to operational sites throughout BC.

To apply: Send a cover letter and resume in confidence by e-mail attention Lesley Dampier, P.Ag. at [careers@sylvis.com](mailto:careers@sylvis.com). In your cover letter, please include a response to the following questions: Why are you passionate about residuals and residuals management? How do you motivate a high-performing team? Deadline: **February 15, 2016**. More information: [www.sylvis.com](http://www.sylvis.com).

**Program Manager (Alberta), SYLVIS, Edmonton or Calgary, AB**

The Program Manager will lead the Alberta team. You are responsible for providing technical support to a range of SYLVIS projects; you are responsible for managing, developing, and leading a core group of staff members; and you will contribute to the growth of SYLVIS by participating on the Leadership Team, working both “on” and “in” the company.

- use your technical knowledge of residuals, agronomy, soil science, plant science, reclamation and/or other related discipline to act as a technical advisor.

- use your creative problem-solving skills to help find innovative technical solutions to residuals-based projects in our team-based delivery of projects.
- use your management skills to support a diverse range of professionals in the delivery of consulting and operational projects that exceed client expectations.
- use your leadership skills to motivate your team to achieve goals and enable successful outcomes.
- use your attention to detail to evaluate team and project metrics; you will use these metrics to further support and develop both your team and the company.
- use your organizational skills to work on client projects while simultaneously providing support to your regional team and input into the Leadership Team.

**Requirements:**

- a qualified professional (e.g. PAg, RPBio) with preference given to Professional Agrologists (PAg) in good standing with the Alberta Institute of Agrologists (AIA) or those eligible for transfer to the AIA through an agreement with a reciprocal organization.
- a minimum of five years consulting and/or operational experience with biosolids or other residuals such as wood ash, compost and effluent.
- a minimum of five years management experience with a proven ability to motivate, manage and lead a team of professional associates.
- a graduate degree in a relevant environmental science-based discipline (e.g. agronomy, plant science, soil science, environmental management, environmental engineering) or combination of undergraduate degree and additional experience.
- able to work at one of our two Alberta offices (Edmonton or Calgary) with frequent travel to the other regional office and operational sites throughout Alberta.
- exceptional organizational skills and meticulous attention to detail.

To apply: Send a cover letter and resume in confidence by e-mail attention Lesley Dampier, P.Ag. at [careers@sylvis.com](mailto:careers@sylvis.com). In your cover letter, please include a response to the following questions: Why are you passionate about residuals and residuals management? What makes you want to be a leader? Provide your best example of when you have motivated or inspired a high performance team. Deadline: **February 15, 2016**. More information: [www.sylvis.com](http://www.sylvis.com).

**Events:**

**Manitoba Soil Science Society 2016 Meeting, Feb. 4-5, 2016, Winnipeg**

Just a reminder the early bird registration deadline is this Friday (January 22) for the 2016 MSSS Meeting.

For those that have yet to register, please make your cheque or money order payable to MSSS and send with completed registration form to: Manitoba Soil Science Society (MSSS), c/o Marla Riekman, Department of Soil Science, 362 Ellis Building University of Manitoba, Winnipeg, MB R3T 2N2. Lynda Closson has also emailed registration forms to the department that can be filled out and dropped off in the main office along with a budget number. For those traveling from out of town and need a room, you can book directly with the Holiday Inn South at (204) 515-5742. Be sure to ask for Manitoba Soil Science Society rate when booking for the group rate.