



What an Annual Meeting!!! It was a great pleasure seeing you all (at least the majority of you in-person and many of you on a computer screen) at the Lister Conference Hall at the University of Alberta Campus in Edmonton. I think the feeling of success was triple after one postponement and one virtual annual meeting. With 200+ in-person paid registrants (including about 10+ complimentary and about 10 volunteers running the show in the background) and 97 virtual registrants, 300+ attendees made the conference a very special one. Thanks to our co-organizer of the conference, Alberta Soil Science Workshop for contributing well to this total number. Starting with a fabulous welcome reception, two and half days of scientific presentations, discussions, and knowledge sharing, an amazing banquet and award ceremony with live music, several workshops, graduate student events, a day-long mid-conference tour, and a 3-day post-conference tour made the conference full of surprises. More than 60 participants joined the mid-conference tour, and 20 participants joined the post-conference tour. Overall, it was a great success and all the credit for this success goes to the organizing committee chaired by Scott Chang and Symon Mezbahuddin and their amazing team. The hybrid component added extra work to the organizer, but it was surprisingly successful. The recording of the talks is being processed and will be available to the registrants soon. Again, a great organization by the team. With this experience, I am sure you are looking forward to making a trip to maritime for our next annual meeting in 2023 and seeing each other at the Truro Campus of Dalhousie University in Nova Scotia. Learning from the last two years of virtual teaching, communication, and some research, the theme of next year's meeting is 'Soils go Digital'.

After 2 years of irregularity in society awards, it was a pleasure to see our 12 travel award winners and 2 international travel award winners at Edmonton. A total of 8 undergraduate students won the book award this year. We had a tough student oral and poster competition for the Bentley Award and President's Award, respectively. A total of 54 students competed for the Bentley Award and 26 students competed for the President's Award. Congratulations to you. A big congratulations to our two brand-new Fellow Dr. Richard Farrell and Dr. Maja Krzic, who were welcomed by 8 other current fellows on stage. It was amazing to see 10 of our Fellows in a frame. Annual General Meeting (AGM) was held during the conference in hybrid mode. Except for some technical difficulty and a delayed start, the AGM went smoothly. The minutes and council reports will be soon on the website for your reference.

To update on other matters, the communication and branding of the society through its website, blog, Twitter, and Facebook is continuing to attract more visitors. I am continuing to work on digitizing society's information and streamlining information sharing. We hope to see some digital transformation soon. With this note, have a great field season and summer.

Asim Biswas, CSSS President



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CSSS Annual Meeting

Three years into COVID-19 restrictions, the 2022 joint conference of the Canadian Society of Soil Science (CSSS) Annual Meeting-Alberta Soil Science Workshop (ASSW) was held from May 23-27, 2022 in a hybrid format at the University of Alberta Conference Centre, Edmonton. With the theme on "Soil Science for Sustainable Development," the event attracted outstanding scientists, including four keynote speakers, and students from diverse research areas in soil science such as modelling and AI, nutrient cycling and greenhouse gas emissions, remediation, remote sensing and digital soil mapping, and taxonomy and pedology. About 291 registrations (including 97 virtual participants) were received and participants joined from across Canada, including speakers from Brazil, China, Germany, Switzerland and the United States. The event was livestreamed with presentations and posters given virtually and in person.

Highlights include in-person engagement (see photos), award of fellowships by CSSS to two distinguished members with outstanding contributions to soil science in Canada and the inauguration of a memorial scholarship in honor of Dr Steve Pawluk (1930-2022).



Other highlights were the one-day mid- and 3-day post-conference tours, providing interested participants the opportunity to learn about soils, the geology and vegetation in the Edmonton area and the region. Five workshops were offered at the conference. There were best student oral and poster presentation awards sponsored by both CSSS and ASSW. The conference received sponsorship from sixteen organizations. Overall, the conference was a huge success, as attested by several participants.

Submitted by Christopher Nzediegwu

Student Photo Contest

Are you a student interested in visually projecting your research? Do you have interesting and memorable research photos you would like to share? Then look no further as the CSSS is accepting submissions for the Canadian Journal of Soil Science (CJSS) student photo contest. The CJSS is a quarterly journal and one photo will be selected for each issue.

Deadlines for submission are January 25, April 25, July 25, and October 25.

All submissions must meet the following specifications:

- Image should focus on some aspect of soil science to reflect CJSS content.
- Image size and resolution must be at least 8.5" x 11" **at 300 dpi or higher**.
- Cell phone photographs are acceptable as long as they meet the above criteria.
- No collages; one single image only.
- Image in focus and not blurry.
- Image must not include people.
- No manipulation or heavy editing of image required.
- Acceptable image formats are jpg, png, or tif.

Students may submit more than one image per competition and may enter more than one competition.

All entries should be sent to:

M. Anne Naeth (anaeth@ualberta.ca) and Erika H. Young (ehyoung@grenfell.mun.ca).

The next deadline for submission is **July 25, 2022**.

The top submission will receive a **\$125** cash prize and the winning photograph will be featured on the cover of the Canadian Journal of Soil Science and on the CSSS website.

Daniel Saurette (Co-Chair) – Daniel.saurette@ontario.ca

Angela Bedard-Haughn (Co-Chair) - angela.bedard-haughn@usask.ca

Brandon Heung (Secretary) - brandon.heung@dal.ca

CJSS Photo Submissions

If you are interested in submitting photos for consideration by the CJSS as an issue cover or as advertising material but not as part of the student photo contest please send directly to M. Anne Naeth (anaeth@ualberta.ca). Any interested party can submit images provided that the images meet the criteria

The CSSS is now on Twitter

The CSSS is now on Twitter, Facebook and LinkedIn, so please contact our Social Media Manager, Susan Fisk, to highlight the great research being done by soil scientists in Canada.

<https://groundedinsoils.wordpress.com/>

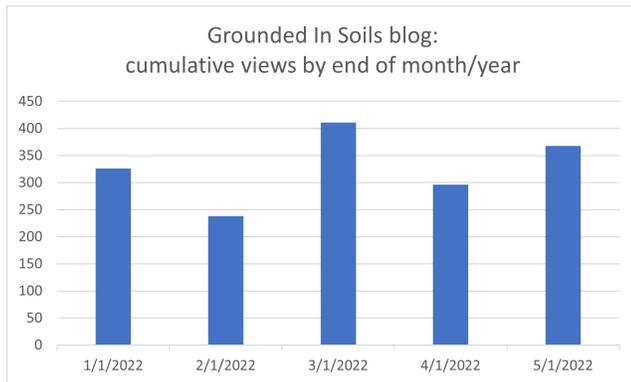
Grounded in Soils Blog Update



As of the end of May 2022, 10 news blogs have been published to our Grounded in Soils Blog! Two have been based on Life as a Soil Scientist interviews (thank you members Maren Oelbermann and Amanda Diochon!) The other eight have been based on soil science information taken from CSSS' Digging into Canadian

Soils textbook. Our plan is to publish two blogs per month, consistently, and to promote all of them on social media. You can also subscribe to get the newest blog on this page <https://groundedinsoils.wordpress.com/about/>.

Kudos to all the members and Twitter followers who liked and retweeted the May 29 tweet about the "What processes form soil" blog. Our Twitter strategy is to promote blogs on the day they publish and three weeks later – and your likes and shares help with blog readership! Seventy-nine people liked the tweet on May 29, and 27 took the action to retweet it – thank you!



Members liking and sharing our social media posts is crucial to the success of the blog and its viewership which is doing well! Since we got it back up and running in January, we have had an average of 300+ blog views per month. Please promote the blogs to your students – and ask them to encourage their friends to read as well.

We still welcome blog ideas and bloggers – from graduate student to working soil scientists and academics. Please send to csss.soils@gmail.com

Submitted by Susan Fisk, social media coordinator

CJSS Author Workshop



On Tuesday, June 14th, Dr. Anne Naeth, CJSS Editor-in-Chief, and Josephine Sciortino, CJSS Managing Editor, hosted an Author Workshop on how to successfully publish an article. They discussed every part of the process, from title, cover letter, abstract, publication ethics, peer review, and promotion.

It was a great session with good engagement, great questions and serious interest in learning more.

The workshop is available on YouTube and a link is provided below.

<https://youtu.be/ics5rYPNjmg>

Message from Canadian Science Publishing



As a valued partner society of CSP and Canadian Journal of Soil Science, we would like to share new changes to our subscription offerings with you and your members:

For the 2023 subscription year and onwards, CSP will no longer offer print as part of our subscription offerings. Pricing lists will only offer an electronic subscription format for our suite of peer-reviewed science and engineering journals.

Why is CSP going digital-only now?

Researchers are now training, collaborating, and doing research online. So CSP is stopping print to invest more in accessibility and discoverability of digital content to better support digital scholarship. As signatories of the United Nations Sustainable Development Goals Publishers Compact, we are also investing in sustainable publishing practices; stopping print reduces CSP's environmental footprint, and that of the publishing industry—moving us toward a more sustainable future for all.

What won't stop?

Our commitment to providing access to historical research and the new knowledge of today's researchers.

More information is available on the CSP website here - <https://cdnsiencepub.com/doi/10.1139/news.2022.06.10/full/>

We sincerely appreciate your partnership, and we look forward to collaborating with you and your members again this year.

Megan Saunders
Customer Sales and Service Coordinator

Positions / Opportunities

M.Sc. Opportunity in Northern Mine Site Restoration

This is a unique opportunity to join an interdisciplinary project spanning the fields of restoration ecology, soil science, and plant ecology. Revegetation of northern boreal and arctic mine sites is challenged by remote locations, limited top soil resources and access to locally sourced native plant materials. On disturbed sites in temperate and warm arid climates, woody shrubs are known to facilitate establishment and growth of native species by trapping windblown seed, increasing growing season soil moisture, and improving soil nutrient conditions through nitrogen fixation and litter inputs. This technique has not been examined in northern ecosystems and the relative importance of physical versus biological factors in promoting plant establishment and growth is unknown. We will be evaluating the use of abiotic and living vertical structures to facilitate the arrival, establishment and growth of native boreal species. This research aims to better understand the conditions and mechanisms that support recovery of boreal forest plant-soil systems, while providing practical techniques for successful mine site revegetation. Fieldwork will be conducted at a working mine site in Yukon Territory, Canada. This project is partially funded via a MITACS grant with opportunities to work closely with mine company staff.

Anticipated start date of either September 2022 or January 2023.

For more information click the link below.

https://mcusercontent.com/ca7fd4410b9dab34e3ef8b381/files/b7350508-477f-1f21-ada1-6de9d7c40df8/Student_Recruitment_Minto_mine_site_restoration.pdf

Upcoming Conferences (Con't.)

People & Soil - Global soil governance: Status and future perspectives

Online workshop 25 August 2021

One of the core mandates of the Global Soil Partnership (GSP) of the Food and Agriculture Organization of the United Nations (FAO) is to improve soil governance at all levels, providing support for countries in strengthening normative and regulatory frameworks with an impact on soil management. As such, FAO's GSP organized the webinar "Global soil governance: Status and future perspectives" within the framework of the EUROSOIL 2021 conference, which took place on 25th August 2021 in a virtual mode.

Soil governance involves policies, strategies, and the processes of decision-making by nation states and local governments on how the soil is utilized. Governing the soil requires international, national and local collaboration between governments, local authorities, industries and citizens. This is to ensure the implementation of coherent policies that encourage practices and methodologies that regulate the usage of the soil resource to avoid degradation and conflict between users.

The webinar had many eminent speakers with experience on soil governance at different levels. They addressed what was happening at the present time in terms of global and regional soil governance and proposed actions to ensure that sustainable soil management could be successfully promoted and adopted.

<https://www.fao.org/global-soil-partnership/resources/highlights/detail/en/c/1459432/>



Soil Health Sub-Committee

This sub-committee was proposed at the 2022 CSSS annual meeting, in Edmonton, AB, and received broad support for its establishment. We would like to solicit committee membership and define expectations. The mandate of the committee, subject to revision, is to determine the best way forward to provide senior leadership to the national research efforts in soil health and big data.

My expectations are that we will have an executive of 5 to 8 people who will organize the committee's mandate and terms of reference to be submitted to the CSSS council for official committee recognition at the next AGM. The committee will then meet 6 times a year, by zoom, to discuss how to move forward.

If you are interested in joining me for this adventure, please click the link below and complete and submit the form.

<https://docs.google.com/forms/d/e/1FAIpQLScwEyFsC1M6sqAZ5LQ4qDL2wDAf0ynGrUuNF5p24mykjhuu2g/viewform>

Sincerely,

M Derek MacKenzie

Call for Papers - Deadline Extended



Call for Papers

Cropping system adaptation for enhanced resilience to climate change in cold climate regions

Understanding how cropping systems may be modified to enhance their resilience to climate change is important to maintain or improve crop yields, ensure food security and protect the environment. In Canada, climate change effects on agriculture are expected to vary depending on the geographical location of the cropping system.

On one hand, climate change is expected to accelerate extreme weather frequency, which is a clear threat to agriculture. On the other hand, climate change is expected to expand the land area under potential agriculture production. This requires that agricultural production is adaptable to ensure cropping systems can pivot to both meet challenges as well as the opportunities driven by a changing climate. This special issue in the *Canadian Journal of Plant Science* will cover all aspects of cropping system research in cold climate regions related to how cropping systems can address the challenges and opportunities of a changing climate.

Structure and Content of the Special Issue

Original research and review articles are invited. Due to the broad nature of the discipline, the Special Issue will consider the following subject areas: Indigenous Agriculture; Agronomy and Crop Management; Soil and Environmental Science; Novel Crops; Crop Physiology and Stress; Integrated Pest Management; Agrometeorology; Modelling; Organic Agriculture; Northern Agriculture; Genotype x Environment Interaction; Water Management. Original research can include field, lab, or greenhouse trials; take place in field settings, controlled, or urban environments. Modelling studies will also be considered.

Manuscript submissions will be peer-reviewed. Authors should follow the instructions and guidelines set by the *Canadian Journal of Plant Science*: cdnsiencepub.com/journal/cjps/authors

Guest Editors

Dr. Joann Whalen, Lead Guest Editor, McGill University

Dr. Helen Booker, Guest Associate Editor, University of Guelph

Dr. Douglas Cattani, Guest Associate Editor, University of Manitoba

Dr. Cameron Wagg, Guest Associate Editor, Agriculture and Agri-Food Canada

Deadlines for the special issue have been extended.

Expression of interest deadline June 28, 2022. Final papers due September 15, 2022.

<https://cdnsiencepub.com/topic/cjps-cropping-system-adaptation>

Include your title and name/email of the corresponding author and send to Dr. Ben Thomas and Dr. Joann Whalen at CJPS@cdnsiencepub.com



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