

# CSBE-SCGAB Webinar Series 2020/2021 Schedule

SessionD      Category

## 1 September 11, 2020

### Soil and Water

Abstract ID: 9 Title                      Comparison of nitrogen and phosphorus from two drainage water management systems on agricultural organic soils.

Authors                                      Genevieve Grenon, Chandra A. Madramootoo, Bhesram Singh, and Christian von Sperber

Contact Email                              genevieve.grenon@mail.mcgill.ca

Abstract ID: 1 Title                      Select soil quality and plant uptake parameters under different water and fertilizer management systems and their relationship with greenhouse gas emissions

Authors                                      Naeem A. Abbasi, Chandra A. Madramootoo, Tiequan Zhang, Chin S. Tan

Contact Email                              naeemahm@live.com

### Special topics

Abstract ID: 22 Title                      An Experimental Study of the Aerodynamic Characteristics of Ryegrass Forage

Authors                                      Janaya Walter, Martin Roberge, Laurent Schindfessel, David Sumner, Lope Tabil

Contact Email                              jaw873@mail.usask.ca

**2 September 25, 2020**

**Organic waste management**

Abstract ID: 25	Title	Mineralization of Carbon in Composted, Alkaline Stabilized, and Anaerobically Digested Biosolids in Soil
	Authors	Okenna Obi-Njoku, Michael Yongha Boh, Gordon Price, O. Grant Clark
	Contact Email	okenna.obi-njoku@mail.mcgill.ca

**Special topics**

Abstract ID: 5	Title	Mini review: Worldwide food allergy prevalence and the characterizations of “big eight” allergenic foods
	Authors	Xin Dong
	Contact Email	xin.dong2@mail.mcgill.ca

**3 October 9, 2020**

**Community engagement**

Abstract ID: 16 Title The development of multi-level storylines to ensure the inclusion of marginalized communities in participatory sociohydrological modelling: A case study in Tz'olöj Ya', Guatemala

Authors Jessica Bou Nassar, Julien Malard, Jan Adamowski, Marco Ramírez Ramírez, Héctor Tuy

Contact Email [jessica.bounassar@mail.mcgill.ca](mailto:jessica.bounassar@mail.mcgill.ca)

Abstract ID: 8 Title Comparing the sustainability performance of smallholder farming systems: a case study in rural Panama

Authors Roberto Forte and O. Grant Clark

Contact Email [roberto.fortetaylor@mail.mcgill.ca](mailto:roberto.fortetaylor@mail.mcgill.ca)

4 **October 23, 2020**

**Environmental Monitoring/Mo**

Abstract ID: 7 Title Comparing the performance of automated and manual chambers for measuring greenhouse gas emissions from agricultural soil  
Authors Liam Gordon Fitzpatrick, Michael Yongha Boh, and O. Grant Clark  
Contact Email liam.fitzpatrick2@mail.mcgill.ca

Abstract ID: 11 Title Modelling Poultry Barn Ventilation using Geothermal Energy  
Authors Mohamed Aly and Bill Van Heyst  
Contact Email maly@uoguelph.ca

Abstract ID: 24 Title Potentiometric Phosphate Sensing Using Pure Cobalt, Molybdenum and Their Alloy for Environmental Applications  
Authors Reem Zeitoun and Asim Biswas  
Contact Email rzeitoun@uoguelph.ca

5 **November 6, 2020**

**Bioenergy**

Abstract ID: 20 Title Practical Utilization of Microbial fuel cells: A Review  
Authors Suhasini Srinivasan, Ademola Adekunle, Vijaya Raghavan  
Contact Email suhasini.srinivasan@mail.mcgill.ca

**Organic waste management**

Abstract ID: 14 Title Optimizing an organic hydroponic solution brewed from a combination of chicken manure extracts and vermicompost leachate  
Authors David Leroux, Peter Tikasz, Mark Lefsrud  
Contact Email david.leroux3@mail.mcgill.ca

Abstract ID: 19 Title Life Cycle Assessment of land-applied municipal wastewater biosolids in Canada  
Authors E. Saliba, D. Maxime, A. Boulay, O. Grant Clark  
Contact Email elissa.saliba@mail.mcgill.ca

**6 November 20, 2020**

**Soil and Water**

Abstract ID: 4 Title Labile organic phosphorus in temperate arable Histosols revealed by enzymatic hydrolysis of sequential phosphorus fractions

Authors Aidan De Sena, Chandra A. Madramootoo, and Joann K. Whalen

Contact Email aidan.desena@mail.mcgill.ca

Abstract ID: 6 Title Assessment of physicochemical properties of growth media based on wood ash and sludge in combination with biochar.

Authors Muhammad Farhain, Mumtaz Cheema, Bilal Javed, Yeukai Katanda, Raymond Thomas, Lakshman Galagedara

Contact Email lgalagedara@grenfell.mun.ca

Abstract ID: 13 Title Predicting Crop Water Requirements and Yield for Tomato under a Humid climate using AquaCrop model

Authors Naresh Kumar A. Thangaraju, Samuel O. Ihuoma, Chandra A. Madramootoo

Contact Email naresh.arumugagounderthanagaraju@mail

7 January 8, 2021

**Bioprocessing**

Abstract ID: 12 Title Effect of pre-treatment on the physical and nutraceutical properties of the puree processed from the carrot rejects and waste.  
Authors Gagan Jyot Kaura, Valerie Orsatb and Ashutosh Singha  
Contact Email gmadanpo@uoguelph.ca

Abstract ID: 23 Title Optimized production of a sugar-CO2 complex for enhancing bioactive compound delivery via the oral mucosa  
Authors John Weilenmann & Valerie Orsat  
Contact Email john.weilenmann@mail.mcgill.ca

Abstract ID: 18 Title The effect of chemical retting parameters on the quality and quantity of the canola fibers  
Authors Vahid Sadrmanesha, Ying Chena, Mashiur Rahmana  
Contact Email ying.chen@umanitoba.ca

8 January 22, 2021

**Bioenergy**

Abstract ID: 3 Title Effect of Moisture Content, Temperature, and Grinding Method during Microbial Incubation of Camelina sativa L. straw by Trametes versicolor on Properties of Solid Biofuel Pellets

Authors Cuong N. Daoa, Lope G. Tabila, Tim Dumoceaueb, Edmund Mupondwab, Xue Li

Contact Email cuong.dao@usask.ca

Abstract ID: 21 Title Microwave Torrefaction of Oat Hulls

Authors Esteban Valdez\*, Lope Tabil, Edmund Mupondwa, Tim Dumonceaux, and Duncan Creee

Contact Email Esv766@mail.usask.ca

**Organic waste management**

Abstract ID: 10 Title Comparing the Fertilizer Value of Compost to that of Vermicompost

Authors Mathilde Guglielmi and Dr. Osborne G. Clark

Contact Email mathilde.guglielmi@mail.mcgill.ca



9 February 5, 2021

**Bioenergy**

Abstract ID: 2 Title Economic and Environmental Analyses of Bioenergy Production from Wood Pellets  
Authors Peyman Alizadeh, Lope G. Tabil, Edmund Mupondwa, Xue Li  
Contact Email pea765@mail.usask.ca

**Community engagement**

Abstract ID: 15 Title Dynamiques des systèmes couplés avec modèles des cultures : modélisation participative pour l'évaluation des systèmes agricoles à petite échelle au Guatemala  
Authors Julien J Malard, Jan Adamowski, Héctor Tuy, Hugo Melgar-Quiñonez  
Contact Email julien.malard@mail.mcgill.ca

**Urban hydrology**

Abstract ID: 17 Title Expanded Tree Pits as Part of a Low Impact Development Strategy for Urban Stormwater Management  
Authors Jing Ren, Elin Inga Knutsdottir, O. Grant Clark  
Contact Email jing.ren@mail.mcgill.ca