

PROGRAM OVERVIEW DAY 1

SUB BASEMENT, 4th March 2026

ORION, JUNIPER AND MARIGOLD ROOMS

9:00 AM - 10:00 AM

Registration and Opening Remarks

10:00 AM- 12:00 PM

Oral Session 1 (Marigold Room)

12:00 PM- 1:15 PM

Lunch and Workshop (Career Center)

1:15 PM- 4:00 PM

Concurrent Oral Sessions 2

END OF DAY 1



PROGRAM OVERVIEW DAY 2 (Part 1)

SUB BASEMENT, 5th March 2026

CASCADE, JUNIPER AND MARIGOLD ROOMS

9:00 AM - 10:30 AM

Remarks and Keynote addresses

10:30 AM - 12:30 PM

Oral Session 1 (Marigold Room)

12:30 PM - 2:00 PM

Lunch and Poster Session (Cascade Room)

2:00 PM - 4:00 PM

Concurrent Oral Sessions 2

END OF DAY 2 (Part 1)

PROGRAM OVERVIEW DAY 2 (Part 2)

SUB BASEMENT, 5th March 2026

AWARDS GALA (CASCADE ROOM)

5:00 PM - 5:30 PM

Welcome and Opening Remarks

5:30 PM - 8 PM

Dinner, Networking and Awards Ceremony

8:00 PM - 8:30 PM

Closing Remarks

FULL PROGRAM DAY 1

SUB BASEMENT, 4th March 2026

ORION, JUNIPER AND MARIGOLD ROOMS

9:00 AM - 10:00 AM

Registration and Opening Remarks

ORAL SESSION 1- Marigold Room

10:00 AM- 10:20 AM

Ranine El-jurdi

10:20 AM- 10:40 AM

Anubhav Tripathi

10:40 AM- 11:00 AM

Priscillar Wenyika

11:00 AM- 11:20 AM

Laura Woodman

11:20 AM- 11:40 AM

Min Yuan

11:40 AM- 12:00 PM

KEXIN YANG

12:00 PM- 12:20 PM

SONIKA PARIYAR

12:00 PM- 1:15 PM

Lunch and Workshop (Career Center)

Concurrent ORAL SESSION 2- Juniper Room

1:20 PM- 1:40 PM

Sonia Navvuru

1:40 PM- 2:00 PM

Preston Tran

2:00 PM- 2:20 PM

Abouzar Karimi Jafari

2:20 PM- 2:40 PM

Domenic Marano

2:40 PM- 3:00 PM

Jedida Chirchir

3:00 PM- 3:20 PM

KIRAN KHURSHIDA

Concurrent ORAL SESSION 2- Marigold Room

1:20 PM- 1:40 PM

KEXIN YANG

1:40 PM- 2:00 PM

Kethu Ubayarathna

2:00 PM- 2:20 PM

Boran Liu

2:20 PM- 2:40 PM

Longqin Li

END OF DAY 1

FULL PROGRAM DAY 2

SUB BASEMENT, 5th March 2026

CASCADE, JUNIPER AND MARIGOLD ROOMS

9:00 AM - 10:30 AM

Addresses and Keynote Speeches
Dr. Megan Strickfaden
Dr. Debra Davidson

ORAL SESSION 1- Marigold Room

10:30 AM- 10:50 AM

Reina Denisse Donis Salazar

10:50 AM- 11:10 AM

Vanessa Osei Bonsu

11:10 AM- 11:30 AM

Elias Rietzschel

11:30 AM- 11:50 AM

Haneen Alia Abraham

11:50 AM- 12:10 AM

Jill Thomson

12:10 AM- 12:30 PM

DOLAPO ADEPOJU

12:30 PM- 2:00 PM

Lunch and POSTER SESSION

Concurrent ORAL SESSION 2- Juniper Room

2:00 PM-2:20 PM

Luke H. Beattie

2:20 PM- 2:40 PM

Stella Scholastica Crowley

2:40 PM- 3:00 PM

Luis Miguel Salas Chia

3:00 PM- 3:20 PM

Shubhashis Bhattarai

3:20 PM- 3:40 PM

Obed Amponsah

3:40 PM- 4:00 PM

MOHRUKH TALABKHUJA

Concurrent ORAL SESSION 2- Marigold Room

1:20 PM- 1:40 PM

Nolan Johnson

1:40 PM- 2:00 PM

Damon Bectell

2:00 PM- 2:20 PM

Shivani Sonkar

2:20 PM- 2:40 PM

Endriss Ali Umer

2:40 PM- 3:00 PM

Shekhar KC

END OF DAY 2 (Part 1)

FULL PROGRAM DAY 2 (GALA)

SUB BASEMENT, 5th March 2026

CASCADE ROOM

5:00 PM- 6:00 PM

Opening Remarks and networking

6:00PM-7:30 PM

Dinner

6:30 PM- 7:30 PM

Awards Presentations

7:30 PM-8:30 PM

Networking

8:30 PM

Vote of thanks and Closing



END OF DAY 2 (Part 2)

Oral Presenters and Topics

ORAL SESSION 1- Marigold Room

10:00 AM- 10:20 AM

Ranine El-jurdi

Control of *Listeria* in Mixed-species Biofilms

10:20 AM- 10:40 AM

Anubhav Tripathi

Impacts of breeding over the years on Canadian *Brassica napus canola*

10:40 AM- 11:00 AM

Priscillar Wenyika

Liming effects on microbial communities in Black and Grey soils of the Canadian Prairies

11:00 AM- 11:20 AM

Laura Woodman

Equitable Inclusion of HBCC in ECEC systems? A Comparative Review of Home- Based Child Care Across Six Countries

11:20 AM- 11:40 AM

Min Yuan

A Co-granulated Urea and Sulphur Fertilizer Reduces Soil N₂O Emissions while Increasing Crop Yields

11:40 AM- 12:00 PM

KEXIN YANG

Regional distributions of Plant Sexual Systems in temperate forests and the differential effects of Climate Change

12:00 PM- 12:20 PM

SONIKA PARIYAR

Zeolite-based seed coating as a management tool against *Aphanomyces* root rot in field pea

DAY 1
4th March

Concurrent ORAL SESSION 2- Juniper Room

1:20 PM- 1:40 PM

Sonia Navvuru

Genetic Architecture of Clubroot resistance in *Brassica Napus Canola* introgressed from *B. OLERACEA*.

1:40 PM- 2:00 PM

Preston Tran

Methanol to Lipids: Methylo-trophic Microorganisms as Sustainable Lipid Platforms

2:00 PM- 2:20 PM

Abouzar Karimi Jafari

Impact of dehulling and pressing temperature on the quality of canola meals and the resulting protein isolates

2:20 PM- 2:40 PM

Domenic Marano

Recycling Spent Single-Cell Protein Fermentation Media: Treatment and Characterization

2:40 PM- 3:00 PM

Jedida Chirchir

Long-term liming and nutrient management impact soil pH, crop yields, nutrient, and cation uptake in a cereal-forage rotation

3:00 PM- 3:20 PM

KIRAN KHURSHIDA

Processing with High-Intensity Ultrasound and Supercritical CO₂ for Cellulose-based Hydrogels and Aerogels

Concurrent ORAL SESSION 2- Marigold Room

1:20 PM- 1:40 PM

KEXIN YANG

Patterns and determinants of ecological integrity in a temperate forest region

1:40 PM- 2:00 PM

Kethu Ubayarathna

Soil Carbon Dynamics: Comparing Organic Carbon Composition in Podzolic and Luvisolic Subsoils from Canadian Forests

2:00 PM- 2:20 PM

Boran Liu

Greenhouse Gas Mitigation and Soil Microbial Responses to a Nitrapyrin-Based Nitrification Inhibitor in Western Canadian Barley Cropping Systems

2:20 PM- 2:40 PM

Longqin Li

CSR Strategies and the Factors Influence Plant Communities Along the Rural-Suburban-Urban Gradient

END OF DAY 1

ORAL SESSION 1- Marigold Room

10:30 AM- 10:50 AM

Reina Denisse Donis Salazar

Intercropping Warm-Season Grasses with Sunn Hemp to Enhance Forage Productivity and Reduce Nitrogen Fertilizer Inputs in Beef Cattle Systems

10:50 AM- 11:10 AM

Vanessa Osei Bonsu

A critical analysis of The Parent and Grandparent Sponsorship Program reforms

11:10 AM- 11:30 AM

Elias Rietzschel

Rational Gene Stacking for Seed-Specific Carbon Partitioning to Simultaneously Enhance Lipid and Protein Contents in Canola

11:30 AM- 11:50 AM

Haneen Alia Abraham

Floors, Ceilings, and Gaps: How Does Parental Leave Design Shape Maternal Employment?

11:50 AM- 12:10 AM

Jill Thomson

Emergent landscapes: gardens and bicycles in cities; embodied engagement of mind/body/environment through art/craft making supported by interdisciplinary research with material culture studies.

12:10 AM- 12:30 PM

DOLAPO ADEPOJU

Enteric Methane Emissions Are Lower in Adaptive Multi-Paddock Grazing as Compared to Continuous Grazing in the Aspen Parkland Region of Alberta.

Concurrent ORAL SESSION 2- Juniper Room

2:00 PM-2:20 PM

Luke H. Beattie

Backyard Drivers of Urban Forest Dynamics: Tree Planting and Removal Motivations in a Small Alberta City

2:20 PM- 2:40 PM

Stella Scholastica Crowley

Cultural Diversity and Greenhouse Gas Emissions: Evidence from Canada

2:40 PM- 3:00 PM

Luis Miguel Salas Chia

Harvesting of *Methylophilus methylotrophus* AS1 Biomass at low centrifugal forces: Effects of Thermal and Acid Pretreatments

3:00 PM- 3:20 PM

Shubhashis Bhattarai

Near-infrared spectroscopy (NIRS) calibration curve for predicting mixed plant species forage quality in Canadian Prairie rangelands"

3:20 PM- 3:40 PM

Obed Amponsah

Effect of Sanctions on Agricultural Productivity

3:40 PM- 4:00 PM

MOHRUKH TALABKHUJA

Marginal Abatement Cost Curves for Methane-Reducing Practices in the Canadian Beef Sector

Concurrent ORAL SESSION 2- Marigold Room

1:20 PM- 1:40 PM

Nolan Johnson

Effect of Nitrification Inhibitor eNtrench on Soil Nitrogen Availability for Malt Barley Across Contrasting Prairie Soil-Moisture Regimes

1:40 PM- 2:00 PM

Damon Bectell

Forage Accumulation and Root Response of Cicer Milkvetch-Dominated Pasture Under Different Harvest Regimes

2:00 PM- 2:20 PM

Shivani Sonkar

Enhancing the Antimicrobial Efficacy of Plasma-Activated Water Mist Using Chemical Antimicrobials and UV-A LED Treatment

2:20 PM- 2:40 PM

Endriss Ali Umer

Enhancing Cell Recovery during Single-Cell Protein Production: More Protein at Shorter Time

2:40 PM- 3:00 PM

Shekhar KC

Allelopathic and Competitive Effects of Annual Crops on Perennial Forage seed crops during Early Growth

DAY 2
5th
March

END OF DAY 2 (Part 1)

POSTER PRESENTATIONS AND TOPICS

CASCADE Room. 12:30 PM - 2:00 PM

Umair Zahid

Protein Hydrolysis of Chicken Feet using Pressurized Hot Water and Pressurized CO₂ Media Assisted by Enzymes

Angie Nathalia Lizarazo Roman

From Methanol to Lipids: A Bioprocess Approach Using *Methylorubrum extorquens* OSD20 and *Auxenochlorella protothecoides* UTEX 256

Cole Vandemark

Comparative Genomic Analysis and Virulence-Associated Variation from Single-Spore Isolates of *Plasmodiophora brassicae*

Ranine El-jurdi

Control of *Listeria* in Mixed-species Biofilms

Leonardo Vieira Santos

Non-Target Effects of Insecticides on Alfalfa Weevil Predators

Reina Denisse Donis Salazar

Cover Crop Species Richness and Harvest Frequency Effects on Forage Responses in the Black Soil Zone of Alberta

Zachary Burgess-Akitt

Distribution of Alfalfa Weevil Deltamethrin Resistance on the Canadian Prairies

Nora Naji Alhulaimi

Extraction of phytochemicals from oat straw by conventional method

Sydney Wong

Sensitivity Screening of *Pyrenophora tritici-repentis* to Propiconazole and Pyraclostrobin fungicides and significance genetic resistance genes in durum wheat

Namuna Chapagain

UAV modeling of forage mass, depletion, and recovery across grazing systems in Alberta rangelands

Logan Snow

Evaluating the Susceptibility of *Medicago lupulina* to Members of the Pulse Root Rot Complex

Ifedayo Emmanuel Bello

Assessment Of “Green” Protein Extraction Techniques On Porcine Spleen Isolates As Valorization Option For Meat By-Products

Dayani Buddhika Maheshini, Patuwatha Withanage

Arbuscular Mycorrhizal Fungi Enhance Wheat Performance in Canola-Wheat Rotations: A Cultivar-Dependent Response in Alberta

POSTER PRESENTATIONS AND TOPICS

CASCADE Room. 12:30 PM - 2:00 PM

Aayushi Rambia

Compost-Based Biostimulants for Sustainable Nutrient Management in Wheat-Canola Rotations

Emily Reitsma

Testing a Novel Kefir for Improved Blood Glucose and Microbiome in a Prediabetic and Diabetic population.

Felix Ayiera

Effects of Plasma-Activated Nanobubble Water and Ultrasound on Reactive Species and Biofilm Inactivation

Hamdi Ben Khelifa

Resistance of Joule Heating Textiles to Fatigue Bending

Carmen Hamel

There's No Place Like Home (дассан газрын даавуу зөөлөн, дундуур хэвтэр дулаан хотхон): Visualizing the Factors Contributing to Mongolian Herders' Land Loss

Jiaxun Li

Citizens' Preferences for Governance Design in Community Renewable Energy Projects: Evidence from a Discrete Choice Experiment in Alberta

Ashley Krehut

From Single-Use Plastics to Bioplastics: Examining the Implications of Bioplastics from the Perspective of Canadian Composting Facilities

Alessia Marchesan

N₂O and CO₂ Production from Intact Soil Cores across a Broad Range of Soil Conditions during the Transition to Organic Crop Management

L. Shea Giesbrecht

More wasps nest in artificial nests placed in treed crop borders than herbaceous crop borders

Shane Collins

Exploring Alternatives to Pre-Harvest Glyphosate in Spring Wheat

Johanna Olsson

Forestry in Sweden and Alberta; What can we learn from each other?

Payden MacDouall

Balancing Human and Wildlife Values: Is There a Significant Relationship between Visitorship and Changes in Wildlife Behaviour Within Canada's Parks and Protected Areas?

Coralie Jeanine Vollenweider

Assessing asynchrony and temporal stability of productivity in boreal aspen-spruce mixedwoods

Sally Ferrari

CRISPR/Cas9-immortalized bovine fibroblasts for cultivated fat production

POSTER PRESENTATIONS AND TOPICS

CASCADE Room. 12:30 PM - 2:00 PM

Sydney Kennedy-Flynn

Effects of Amendments on the Anaerobic Bioremediation of Organohalides in Contaminated Soil and Groundwater

Ayomide Oladele

What drives greater fertility in dairy cattle with short anogenital distance?

Priya Dhital

Effect of Plant Growth Regulator and Seeding Rate Interaction on Barley Root and Shoot Parameters

Prithviraj V

Enhancement of the microbial biofilm inactivation efficacy of plasma-activated nanobubble water by UV-C and hydrogen peroxide

Damon Bectell

Sod-Seeding Perennial Legumes for Pasture Rejuvenation

Ashmita Timsina

Impact of Humic-Based Soil Amendments on Nitrogen Fixation and Growth of Dry Beans (*Phaseolus vulgaris* L.)

Mackenzie Robertson

Rethinking Wildfire Suppression in Alberta's Ecologically Sensitive Landscapes

Leah Feng

The Scale-Dependent Soil Spatial Asynchrony in Explaining Tree Diversity in a Subtropical Forest

Iyesha Madushani Wanigasinghe

Snap the Species: Comparing vascular plant species detection in plot-based surveys by experts versus photo surveys

Smriti Sharma

Effects of Capping Substrates and Beneficial Fungi, *Serendipita herbamans*, on Growth and Stress Physiology of Boreal Tree Species in Oil Sands Reclamation Sites

John Maverick De Leon

Big data and Soil Science: Integrating MID-FTIR Spectroscopy and Machine Learning Models to develop predictions for Soil Health Assessment

Kenneth Oraiz

From Waste to Treasure: Cement Kiln Dust Combined with Digestate and Humic Acid for Soil Improvement and GHG Mitigation

Wijelath Arachchige Gihan Erandika Wijelath

Sequential Pretreatment Strategies for Enhancing Protein Solubilization from Brewer's Spent Grain (BSG)

Taniya Madushani Nanayakkara Hettigoda Gamage

Ultrasound Processing to Improve Germination of Soybean Seeds