



## 2023 Manitoba CPS Regional Meeting

Dec. 13<sup>th</sup>, Dept. Plant Science, University of Manitoba, Winnipeg, MB

### Minutes

The 2023 Manitoba Regional Meeting of the Canadian Phytopathological Society was held on December 13<sup>th</sup> at the University of Manitoba (Department of Plant Science, Faculty of Agricultural & Food Sciences). This meeting was attended by 42 people. Registration with coffee and muffins started at 9:00am.

After Dr. Fouad Daayf (Manitoba regional chair for CPS) welcomed the participants, there were three technical sessions:

#### **1. Student Presentations (chaired by Dr. M. Sayari):**

*Multi-trait phenome assessment: high-dimensional time-series remote-sensing interpretation via observable unsupervised learning.* S. HOLDEN, B. J. CASSONE, & J. R. TUCKER.

*In vitro-assembled CRISPR-dual Cas9 ribonucleoprotein system for targeted gene deletion in Fusarium graminearum.* A.U. JAYATHISSA, T. SHARMA, W. G. D. FERNANDO, M.G. BAKKER, & M.C. LOEWEN.

*The evolutionary dynamics of azole resistance in Fusarium graminearum.* K. WOG, M.G. BAKKER, & A.C. GERSTEIN.

*Response of soil fungal communities associated with different soil fractions to tillage practices and crop rotation.* M. MOHAMMADIANI, M.G. BAKKER, S. CRITTENDEN

*Variation in the activity of feruloyl esterase from Fusarium graminearum on cinnamic acid ester derivatives.* R. NELSON, G. MITCHELL-LAWSON, N. MELNICHUK, A.U. JAYATHISSA, & M.G. BAKKER.

*A peep into the bacterial endophytes of barley under fusarium head blight disease.* W.M.V.C. WEERASINGHE, J. R. TUCKER, A. BADEA, W.G.D. FERNANDO & C. WIJEKOON

*Protecting Brassica napus against Sclerotinia sclerotiorum infection using a foliar application of boron.* NATALIE L. CALE & MARK F. BELMONTE

#### **2. Other members' morning presentations (chaired by Dr. M. Elshetehy):**

*Ascospore and pycnidiospore: which is the culprit for blackleg disease in Canada?* S. HUANG, G. PENG, & W.G.D. FERNANDO

*Understanding the interaction between blackleg resistance and verticillium stripe disease in canola.* C.N. BVINDI, A. DOLATABADIAN, & W.G.D. FERNANDO

*Hemoglobin Controls Defensive Responses in Flooding Conditions.* M. ELSHETEHY, C. STASOLLA, & F. DAAFY

*The effect of R gene rotation against Blackleg in Canola on disease severity.* M. A. JAYAWARDANA, Z. ZOU, & W.G.D. FERNANDO

#### **3. Other members' afternoon presentations (chaired by Dr. F. Daayf):**

*Differential Gene Expression in Tolerant and Susceptible Corn Lines in response to Goss's Wilt.* M. SAYARI, M. ELSHETEHY, S.V. GOOD, A. SOLIMAN, A. KHEIRODIN & F. DAAFY

*Phyllosphere and rhizosphere bacteria from canola and soybean against Fusarium head blight of wheat and Verticillium stripe of canola.* W.K.G.M.C. DAYARATHNE & W.G.D. FERNANDO

*Field sensitivity of potato varieties to Potato Mop Top Virus in Manitoba.* V. BISHT, X. NIE, AND M. WRIGHT

*Multispectral aerial imagery to determine seed germination rate in soybean field.* M. Madani, Y. Long, A. Kirk, A. Kirk, P. Westdal, C. Buino

*New finding of Cactodera cyst nematodes in agricultural fields of southern Manitoba.* M. MADANI, M. TENUTA & P. CASTILLO

The results of the student presentations' awards were as follows: **Mehrdad Mohammadiani** (1<sup>st</sup> place), **Natalie L. Cale** (2<sup>nd</sup> place), and **V. Weerasinghe** (3<sup>rd</sup> place). The business meeting followed at 2:30pm.

#### **Business meeting**

Dr. Daayf thanked the members who stayed for the business meeting and approved the minutes of the 2022 meeting (Fernando/Fetch). Members discussed possibilities for next year's annual regional meeting, but no decision was made. Dr. Fernando informed the present members that Plant Canada 2024 will be held in Winnipeg at the Convention Centre on July 24<sup>th</sup>. Dr. Daayf presented a financial update for the CPS-MB regional section and thanked Ms. Puneet Rehal and Drs. Sayari and El-Shetehy for helping with this year's local arrangements. The meeting was adjourned at 3:45pm.

*Respectfully submitted, Dr. Fouad Daayf, CPS-MB Regional Representative*