



2018 Manitoba CPS regional Meeting

Dec. 5th, Dept. Plant Science, University of Manitoba, Winnipeg, MB

Minutes

The 2018 Manitoba Regional Meeting of the Canadian Phytopathological Society was held on December 5th at the University of Manitoba (Department of Plant Science, Faculty of Agricultural & Food Sciences). The meeting this year was attended by 28 people. Registration with coffee and muffins started at 8:30am.

After a welcome from Dr. Fouad Daayf, the Manitoba regional chair for CPS, and from Dr. D. Fernando, current CPS President, a few members provided disease updates: Jim Menzies (cereal smuts and rusts), Dilantha Fernando (FHB), Taye Zegeye, Winnie McNabb, and Brent McCallum (cereal Stem and Leaf rusts), Yong Kim (Soybean and pulses' root rots).

This year, there were twelve oral and two poster presentations. Seven presentations were by students:

1- The essential elements contributing effective defence in *Brassica napus* against *Leptosphaeria maculans*. (Yang & Fernando); 2- Tissue specific RNA sequencing of *Brassica napus* in response to *Sclerotinia sclerotiorum* infection (Walker et al.); 3- Molecular Management of Fungal Phytopathogens via RNAi (Wytinck et al.); 4- Response of indigenous field populations of *Fusarium graminearum* to fungicide application in Manitoba (Allen et al.); 5- Cross-pathogenicity of *Fusarium graminearum* between soybean and wheat (Garma et al.); 6- Detection of Mycotoxins in a Set of Two-row Barley Varieties Infected with *Fusarium graminearum* as Measured by Ultra Performance Liquid Chromatography – Tandem Mass Spectrometer (UPLC-MS/MS) (Tucker et al.); 7- Transcriptomic comparison of compatible and incompatible interactions between *Brassica napus* and *Leptosphaeria maculans* (Padmathilake et al.).

Five more presentations were by other members: 8- Molecular analysis of the interaction between white rot pathogen (*Rigidoporus microporus*) and rubber tree (*Hevea brasiliensis*). (A. Oghenekaro); 9- LmCBP1, a chitin-binding protein, acts as pathogenic factor for the infection of *Leptosphaeria maculans* on *Brassica napus* (Liu et al.); 10- Rapid detection of *Leptosphaeria maculans* avirulence gene *AvrLm4-7* conferring the avirulence/virulence specificity on *Brassica napus* using a tetra-primer ARMS-PCR (Zou et al.); 11- Update on Manitoba horticultural crops disease and insect pests in 2018 (BISHT); 12- “Designer Genes”? Resistance labels as a new management tool to growers to combat Blackleg in Canola (D. Fernando).

The two posters were as follows: 1- *Phytophthora sojae* in Manitoba soybean crops: distribution and pathotype identification (McLaren et al.); 2- Two-year in-depth studies to identify *Fusarium* species causing root rot of soybean (*Glycine max* L.) in Manitoba (Kim et al.)

The awards for best student presentations were as follows: P. Walker (1st place), N. Wytinck (2nd place), and R. Padmathilake (3rd place). The business meeting followed at 2:45pm.

Business meeting

After welcoming the members, Dr. Daayf thanked the members in the audience for attending. The minutes were accepted as published in the CPS Newsletter. The current President, Dr. Fernando who was in the audience, conveyed greetings from the CPS board and shared a few elements of interest such as the future of the society's journals. He also reported the passing of Dr. Robin Morral. Dr. Daayf presented a financial update of the Manitoba regional section of the CPS. A motion was passed (Menzies/Fernando) to award the student competition winners \$150 for the 1st place, \$100 for the 2nd place and \$50 for the 3rd place. To close, Dr. Daayf thanked Mrs. Bev Godard and Mr. Lorne Adam for their great help with this year's local arrangements of the CPS-Manitoba section meeting.

The meeting was adjourned at 4pm.

Respectfully submitted,

Dr. Fouad Daayf
CPS-MB Regional Representative