

# CPS • SCP News



CANADIAN PHYTOPATHOLOGICAL SOCIETY • SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE

VOL. 61, NO. 1

<http://phytopath.ca/>

March 2017

## President's Message

Dear CPS members,

I don't know about for those living in the west, but here in Quebec, it is difficult to believe that it is



**Odile Carisse**  
CPS-SCP President/présidente

## Inside this issue:

President's Message.....	1
Message de la présidente.....	3
<b>Announcements</b>	
CPS-CSA 2017 Joint Meeting.....	5
<b>Regional Meeting Reports</b>	
PPSA (Alberta).....	9
Eastern Ontario.....	12
Southwestern Ontario.....	14
<b>Committee Reports.....</b>	18
<b>Awards and Travel.....</b>	25
<b>Grad Student's Corner</b>	
Feature Student: Jesse MacDonald .....	28
<b>Employment.....</b>	29
<b>Publications.....</b>	31
<b>Contact the Editors .....</b>	33

spring time. Last week, we experienced an unforgettable snow storm, but I can predict with a high level of confidence that eventually the warm weather will come!

I am nearing the end of my term as President of the CPS, and will hand over the gavel in a few months. I must say that it has been more work and engagement than what I had thought. However, I have been very impressed by the amount of work achieved by several CPS members, including new members and committees. All these people

stimulated me and I should thank them for being so knowledgeable and enthusiastic about our Society.

The Annual General Meeting is coming soon in Winnipeg, Manitoba, at the Delta Winnipeg Hotel, June 18 to June 22. This year, we will have a joint meeting with the Canadian Society of Agronomy (CSA). It should be a good meeting; James Menzies and Fouad Daayf, along with their local organizing committee, are working hard at planning an exciting and informative meeting. There will be a joint plenary session entitled 'Toxigenic Fusarium Species and Mycotoxins: Challenges and Perspective'. The Canadian Society of Agronomy has organised a symposium on 'Extending the Growing Season' and the CPS, a symposium on 'Disease Issues in Soybeans and Pulses: Old foes and New Challenges'. Also, there will be three workshops: one on 'Design Matters! Experimental Design and Statistics'; one on 'Scientific Writing Workshop', and one on 'Conventional and Molecular Methods for Detecting *Phytophthora sojae* and Fusarium Head Blight Pathogens'. As well, the video contest is back! Last year, we had a lot of pleasure watching the videos submitted as part of the CPS Student Video Competition. Good luck to all the CPS (and CSA) contestants in this year's competition.

Our speaker exchange with the British Society of Plant Pathology will continue this year and we are hoping that Dr. Paul Nicholson from the John Innes Centre will be able to come and talk about "Fusarium Head Blight: Pathogenesis, Mycotoxins and Management".

As you can see, several people are working hard to make the Annual Meeting a success - **online registration is open, don't miss the deadline!**

The Nominations Committee has been busy coming up with a list of people to replace those who are finishing their terms of service on the Executive Board and on other committees. Nominations will be announced at the AGM in June. By the time you are reading these lines, the deadline of March 31st for all award nominations and submissions has passed, and the Awards Committee is currently assessing the submissions. As usual, the awardees will be presented at the annual meeting!

Concerning the Glenn Anderson Award, discussions were going on with the International Society of Plant Pathology (ISPP) and the organizing committee of the International Congress of Plant Pathology. In March, the

Canadian Phytopathological Society and ISPP's Task Force on Global Food Security invited Dr. Sanjaya Rajaram, World Food Prize Laureate, to give the Glenn Anderson Lecture at the 11th International Congress of Plant Pathology in Boston, July-August 2018. The topic proposed for the lecture is 'Cereals, our staple food: The quest for resistance to the scourge of rust'. The Lecture would be part of a plenary Keynote Session on 'Emerging Plant Diseases and Global Food Security'.

I hope that everyone has a good spring, and I look forward to seeing you in Winnipeg.

Odile Carisse

---

***"As you can see several people are working hard to make the Annual Meeting a success - online registration is open, don't miss the deadline!"***



## Message de la présidente

Chers membres de la SCP,

Je ne sais pas ce qu'il en est pour ceux qui vivent dans l'Ouest, mais ici au Québec, on a peine à croire que c'est le printemps. La semaine dernière, nous avons eu une tempête de neige qui figurera dans les annales, mais, malgré cela, je peux prédire en toute confiance que, tôt ou tard, le beau temps reviendra!

Mon mandat à titre de présidente de la Société canadienne de phytopathologie (SCP) tire à sa fin et, d'ici quelques mois, je passerai le marteau. Je dois avouer que cela a été plus de travail que je ne l'escomptais, et il en a été de même sur le plan de l'engagement. Toutefois, j'ai été impressionnée par tout le travail accompli par certains membres de la SCP, y compris les nouveaux membres et les comités. Tous ces gens m'ont motivée et je dois les remercier pour leurs connaissances de notre société et leur enthousiasme à son égard.

La réunion annuelle, qui se tiendra du 18 au 22 juin à l'Hôtel Delta de Winnipeg, au Manitoba, arrive à grands pas. Cette année, nous tiendrons notre réunion conjointement avec la Société canadienne d'agronomie (SCA). Cela devrait être une bonne réunion. James Menzies et Fouad Daayf, de concert avec leur comité organisateur, travaillent d'arrache-pied à la planification d'une réunion passionnante et instructive. Une séance plénière mixte se déroulera sur le thème « Espèces de fusariums toxigènes et mycotoxines : défis et perspective ». La Société canadienne d'agronomie a organisé un symposium sur le « Prolongement de la saison de croissance » et la SCP, un sur « Questions de maladies chez le soya et les légumineuses à graines : anciens ennemis et nouveaux défis ». De plus, il y aura trois ateliers,

dont un sur « La conception est importante! Plan expérimental et statistiques », un traitant de « La rédaction scientifique » et un dernier sur « Les méthodes traditionnelles et moléculaires pour détecter *Phytophthora sojae* et la brûlure de l'épi causée par le fusarium ». En outre, le concours de vidéos est de retour! L'année dernière, nous avons eu beaucoup de plaisir à visionner les vidéos qui nous ont été soumises dans le cadre de ce concours de vidéos étudiantes lancé par la SCP. Bonne chance à tous les concurrents de la SCP (et de la SCA) pour cette année.

Notre échange de conférenciers avec la Société britannique de phytopathologie se poursuivra cette année et nous espérons que M. Paul Nicholson, du John Innes Centre, pourra se joindre à nous pour nous entretenir de « La brûlure de l'épi causée par le fusarium : pathogenèse, mycotoxines et gestion ».

Comme vous pouvez le constater, de nombreuses personnes travaillent fort pour faire de la réunion annuelle un franc succès. **Vous pouvez déjà vous inscrire en ligne : ne ratez pas la date limite!**

Le comité des candidatures a été occupé à proposer une liste de personnes pour remplacer celles qui achèvent leurs mandats en tant que membres du conseil d'administration et des divers comités. Les candidatures seront annoncées à l'assemblée générale des membres en juin. Quand vous lirez ces quelques lignes, la date limite du 31 mars pour

soumettre les candidatures pour les prix et les propositions sera dépassée : le comité des prix évalue déjà les propositions. Comme d'habitude, les lauréats seront présentés à la réunion annuelle!

---

***“Comme vous pouvez le constater, de nombreuses personnes travaillent fort pour faire de la réunion annuelle un franc succès. Vous pouvez déjà vous inscrire en ligne : ne ratez pas la date limite!”***

En ce qui concerne le Prix Glenn Anderson, des discussions se poursuivaient avec la Société internationale de phytopathologie (SIP) et le comité organisateur du Congrès international de pathologie végétale. En

mars, la Société canadienne de phytopathologie et l'équipe de la SIP sur la sécurité alimentaire mondiale ont invité M. Sanjaya Rajaram, lauréat du Prix mondial de l'alimentation, à donner une conférence Glenn Anderson au 11<sup>e</sup> Congrès international de pathologie végétale qui se tiendra à Boston en juillet-août 2018. Le sujet proposé de la conférence est « Les céréales, aliments de base : la

quête de la résistance au fléau qu'est la rouille ». La conférence ferait partie de la plénière inaugurale sur le thème « Maladies végétales émergentes et sécurité alimentaire mondiale ».

Je vous souhaite à tous de connaître un bon printemps et j'espère bien vous voir à Winnipeg.

Odile Carisse



---

## ANNOUNCEMENTS



### FRIENDLY REMINDER

If you have not yet renewed your membership for 2017, it's not too late. Please visit

<http://phytopath.ca/> to renew online or apply for your CPS membership.

# CPS-CSA 2017 Joint Meeting

## Crop Production and Disease Management – Cultivating Ideas CPS/CSA 2017

Join us in Winnipeg, June 18 to 22, 2017 for the joint annual general meeting of the **Canadian Phytopathological Society** and the **Canadian Society of Agronomy**.



Looking across the Red River from the historic St. Boniface Cathedral to downtown Winnipeg

The Canadian Phytopathological Society and the Canadian Society of Agronomy are meeting jointly in Winnipeg, Manitoba at the Delta Hotels by Marriott, Winnipeg from June 18th to 22nd, 2017. The local arrangements committee (LAC) has been very active and is planning a meeting you won't want to miss. Visit the website at <http://phytopath.ca/meetings/2017-joint-meeting-canadian-phytopathological-society-canadian-society-agronomy/> for up-to-date information on the meeting. The tentative agenda of the meeting is as follows:

<b>Saturday, June 17</b>
<ul style="list-style-type: none"> <li>● <b>19:00 to 22:00 – CPS Financial Advisory Committee meeting</b> (Committee members only)</li> </ul>
<b>Sunday, June 18</b>
<ul style="list-style-type: none"> <li>● <b>09:00 to 17:00 – Executive Board meeting of the CPS</b> – (Board members only.)</li> <li>● <b>13:00 to 17:00 – Conventional and molecular methods for detecting <i>Phytophthora sojae</i> and fusarium head blight pathogens workshop</b> hosted by Maria Antonia Henriquez (AAFC) and Debra McLaren (AAFC).*</li> <li>● <b>12:30 to 15:30 – Experimental Design and Statistics workshop</b> hosted by Rob Gulden (U. of Manitoba) and Alissa Kriss (Syngenta Crop Protection)*</li> <li>● <b>16:00 to 17:30 – Manuscript Preparation workshop</b> – hosted by Brian Beres (Editor CJPS), Zamir Punja (Editor CJPP), Tom Fetch (Assoc. Editor CJPP), Allison Paskins (Taylor and Francis)*</li> <li>● <b>19:00 to 22:00 - Welcoming Reception</b>, Delta Hotels by Marriott, Winnipeg</li> </ul>

**Monday, June 19**

- **07:00 to 08:00** – Breakfast, Delta Hotel
- **08:00 to 12:00** – **Joint CPS/CSA Plenary Session** – Fusarium Head Blight; Pathogenesis, Mycotoxins and Management
- **10:00 to 13:00** – Poster set up
- **12:00 to 13:00** – Lunch, Delta Hotel
- **13:00 to 16:00** – **Student Oral Presentations**
- **16:00 to 18:00** – **Student Poster Session**
- **19:00 to 22:00** – **Graduate Student Social** – (For all Graduate Students – others can attend by invitation only).

**Tuesday, June 20**

- **07:00 to 08:00** – Breakfast, Delta Hotel
- **08:00 to 11:00** - **CPS Symposium** – Disease Issues in Soybeans & Pulses: Old Foes and New Challenges
- **11:00 to 12:00** – **Oral Presentations**
- **12:00 to 13:30** – Lunch and CPS and CSA Annual General Business Meetings, Delta Hotel
- **13:30 to 16:00** - **Oral presentations**
- **16:00 to 17:30** – **Poster Presentations**
- **16:30 to 22:00** – **CPS/CSA Banquet and Award Presentations.**

**Wednesday, June 21**

- **07:00 to 08:00** – Breakfast, Delta Hotel
- **08:00 to 12:00** – **CSA Symposium** – Extending the Growing Season. (Link to information)
- **12:00 to 13:00** – Lunch, Delta Hotel and Poster take down
- **13:00 to 16:00** – **Oral Presentations**
- **16:00 to 17:00** – **Incoming Board Meeting, CPS** (Board members only)

**Thursday, June 22**

- **08:00 to 20:00** – **CSA Field Tour\*** A field tour of research plots tentatively set for Carman, Morden, and JRI Kelburn Farms.

\*Separate registration and fees apply to the Sunday workshops and the Thursday CSA/CPS field tour. All other events are open to all registrants regardless of society affiliation unless indicated otherwise.



Registration and workshop fees are as follows:

	CPS / CSA Members		Non-Members	
	Regular	Student	Regular	Student
Early, on or before May 1, 2017	\$450	\$225	\$550	\$275
Regular, After May 1, 2017	\$550	\$275	\$650	\$375
One day <sup>2</sup>	\$200	\$100	\$300	\$200
CSA/CPS Field Tour	\$100			
Fusarium/Phytophthora <sup>3</sup>	\$30			
Statistics <sup>3</sup>	\$20			
Manuscript Preparation <sup>3</sup>	\$20			
Extra Opening Reception Tickets	\$35			
Extra Banquet Tickets	\$80			

<sup>1</sup>Early and Regular registration includes all symposia and poster or oral sessions, the opening reception on Sunday, June 18, the Graduate Student Social (for graduate students only) on Monday June 19, the Banquet on Tuesday, June 20<sup>th</sup>, breakfast and lunch on the Monday, Tuesday and Wednesday, and coffee breaks.

<sup>2</sup>One day registration does not include any special events, only attendance to the sessions.

<sup>3</sup>The Field tour and workshops are not covered by the meeting registration. People will need to sign up for the Field Tour and/or workshops of their choice, and pay additional fees to cover costs, as listed in the table. For more information on the workshops, visit [http://phytopath.ca/meetings/2017-joint-meeting-canadian-phytopathological-society-canadian-society-agronomy/2017\\_cps\\_workshops/](http://phytopath.ca/meetings/2017-joint-meeting-canadian-phytopathological-society-canadian-society-agronomy/2017_cps_workshops/)

Instructions on abstract preparation, oral and poster presentations and abstract publication can be found at: <http://phytopath.ca/meetings/2017-joint-meeting-canadian-phytopathological-society-canadian-society-agronomy/>

We are also pleased to announce a photo and video contest. For more information, please go to : [http://phytopath.ca/meetings/2017-joint-meeting-canadian-phytopathological-society-canadian-society-agronomy/2017\\_video\\_photo/](http://phytopath.ca/meetings/2017-joint-meeting-canadian-phytopathological-society-canadian-society-agronomy/2017_video_photo/)

#### Location of the 2017 CPS/CSA meeting and accommodations:

**Delta Hotels by Marriott**, Winnipeg, 350 St. Mary Avenue, Winnipeg, MB, R3C 3J2, Canada

<http://www.marriott.com/hotels/travel/ywgdw-delta-hotels-winnipeg/>

Contact the hotel directly to book rooms and mention **CPS 2017** for conference room rates (hotel contract is with the CPS).

Room rates for meeting

- 169.00 + taxes per night (\$199.84 per night).
- A block of rooms are being held at these prices until May, 2017.

For information on how to get to Winnipeg, tourism opportunities and a downtown Winnipeg map, visit the meeting website at <http://phytopath.ca/meetings/2017-joint-meeting-canadian-phytopathological-society-canadian-society-agronomy/>

For further information on the joint CPS/CSA meeting, please contact:

Jim Menzies: [jim.menzies@canada.ca](mailto:jim.menzies@canada.ca) (CPS)

Fouad Daayf: [fouad.daayf@umanitoba.ca](mailto:fouad.daayf@umanitoba.ca) (CPS)

Yvonne Lawley: [Yvonne\\_lawley@umanitoba.ca](mailto:Yvonne_lawley@umanitoba.ca) (CSA)



## Call for Applications for 2017 Storkan-Hanes-McCaslin Foundation Awards

This APS graduate student scholarship is available to Canadian students working on soil-borne plant diseases. Please visit <http://phytopath.ca/call-applications-2017-storkan-hanes-mccaslin-foundation-awards/>.

The Storkan-Hanes-McCaslin Foundation Awards are named in honor of Richard C. Storkan, Gerald L. Hanes, and Robert L. McCaslin. Each had a long history of cooperation with the scientific community, and they were pioneers in developing effective soil fumigation through experimental research.

The foundation was established in 1987 to support graduate student research. To date, more than \$495,000 has been awarded to 78 promising scientists. In addition to unrestricted cash awards (which range from \$5,000 to \$10,000 and can be used for any purpose that will benefit the education of the student including personal expenses), new awardees will also receive round-trip fares to the APS annual meeting and are presented their awards at a luncheon attended by their research advisors, previous awardees, and members of the Foundation Committee.

### The 2016 Foundation Award winners were:

**Minglu Gao**, University of Georgia, Proposal Title: Digging into the Unexplored: Characterization of Beta-Lactamases in Soil-Borne Fungi, with *Fusarium verticillioides* as Paradigm;

**Alyssa M. Koehler**, North Carolina State University, Proposal Title: Identification and characterization of mechanisms for enhanced overwintering survival of *Stevia rebaudiana* following application of QoI fungicides;

**Sanju Kunwar**, University of Florida, Proposal Title: Transgenic expression of pattern recognition receptor *EFR* in tomato for effective control of bacterial wilt disease in open field conditions;

**Kelly R. Paugh**, University of California, Davis, Proposal Title: Harnessing the Effect of Planting Date to Control Fusarium Wilt of Lettuce.

A major aim of the foundation is to encourage research by offering financial assistance to graduate students who are working on **soil-borne diseases** of plants. The research must be done in the United States, Canada or Mexico. Foundation policy is to contribute to the education of the student. Grants are made on a yearly basis and may be renewed upon review by the committee. Since the award is highly competitive, we encourage unsuccessful applicants to update their proposal for future consideration. The research for which the award is given is expected to be performed by the applicant during the academic year 2017–2018, and a one page progress report is due one year from the date of the award. It would be appreciated if the Foundation were acknowledged in research publications stemming from this Award.

To be considered for funding, each proposal should be carefully prepared in accordance with the instructions given below and submitted **electronically, no later than May 1, 2017 to:**

Dr. Michael Stanghellini (Chair of the Selection Committee), e-mail address: [michael.stanghellini@ucr.edu](mailto:michael.stanghellini@ucr.edu)

Please submit:

- (i) a short, two–three page research proposal containing a concise statement of the objectives, methods and materials, and projected impact of the proposed research (note: a budget is not required),
- (ii) a one page resume (i.e., a brief education and research background, including a telephone number and e-mail address), and
- (iii) a letter of recommendation from the applicant's major professor or research director.

Preference will be given to those proposals containing innovative, creative, and/or novel research approaches to the stated objective(s), and to the overall quality (organization, correct English grammar and spelling) of the written proposal. Funding will begin September 1, 2017.



## The Fourth Annual “Fascination of Plants” Day May 18<sup>th</sup>, 2017

The European Plant Science Organisation (EPSO) has announced that the fourth annual “Fascination of Plants” Day will take place on May 18<sup>th</sup>, 2017. The goal of this initiative is to encourage the public to become “fascinated” by plants by inviting them to participate in interactive activities that highlight the importance of plants in agriculture, environmental conservation, pharmaceutical development, and many other areas.

If you would like to get involved, or if you would like to plan an activity, please contact the Canadian National Coordinator for this initiative, Shahrokh Khanizadeh, at [Shahrokh.Khanizadeh@AGR.GC.CA](mailto:Shahrokh.Khanizadeh@AGR.GC.CA). Learn more about Fascination of Plants Day at [plantday.org](http://plantday.org).



## REGIONAL REPORTS

### 2016 Annual Meeting of the Plant Pathology Society of Alberta

The 37<sup>th</sup> Annual Meeting of the Plant Pathology Society of Alberta (PPSA) was held from November 7-9<sup>th</sup>, 2016, at the University of Alberta in Edmonton. A total of 65 registered participants were in attendance for the meeting, which included one poster and four paper sessions. There were a total of 21 oral and 12 poster presentations, with Dr. Reem Aboukhaddour, Dr. Michael Harding, Dr. Syama Chatterton, and Dr. André Laroche invited as featured speakers. In addition, nine graduate students participated in a student oral presentation competition, while five technicians participated in a poster competition. These were judged by a panel consisting of Dr. Denis Gaudet, Dr. André Laroche, Ms. Robyne Bowness, and Dr. Ron Howard. The Best Student Presentation was awarded to Ms. Tesla Willsley (University of Lethbridge/AAFC Lethbridge), for an oral paper entitled “*Interactions of root rot pathogens and pea leaf weevil (Sitona lineatus) in field pea.*” Ms. Willsley also received the PPSA Scholarship, which is awarded annually based on academic and research excellence to a student

conducting graduate studies in the area of plant pathology at an institution in Alberta. The Best Technician Presentation was awarded to Ms. Krista Zuzak (Alberta Agriculture and Forestry), for her poster “*Identification of Fusarium species and F. graminearum chemotypes from corn in Alberta.*” These awards were presented at the annual meeting banquet, which also featured Zimbabwean music by Mr. Ronald Nyandoro and his group.

The business meeting included an update on CPS activities by Dr. Denis Gaudet, who spoke on behalf of CPS President Dr. Odile Carisse who could not be in attendance. Updates were also provided by representatives of each of the standing committees on Awards, Disease Surveys, and History. The new officers of the PPSA for 2016-2017 are: Greg Daniels – President, Kequan Xi - Vice-President, Rudolph Fredua-Agyeman - Secretary, and Noryne Rauhala - Treasurer. The Directors (3-year terms) include Robyne Bowness, Krista Zuzak, Reem Aboukhaddour and Jackie Busaan.

The Local Arrangements Committee (LAC) consisted of Stephen Strelkov (Chair), Reem Aboukhaddour (Scientific Program), Ileana Strelkov (Registration and Venue Arrangements), and Sheau-Fang Hwang (Fund-Raising). The LAC would like to thank the following sponsors, who graciously contributed funding in support of the Annual Meeting: BASF, Canola Council of Canada, Canadian Phytopathological Society, Crop Production Services,

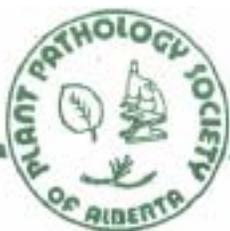
Alberta Barley, Alberta Canola Producers Commission, Alberta Potato Growers, Bayer, Valent, Cargill, and FMC. The assistance provided by Noryne Rauhala and numerous students and staff in making the meeting a success is also gratefully acknowledged.

Respectfully submitted,  
Stephen Strelkov (Past-President)



**Above: Best Student Presentation Award is presented to Telsa Willsley**

**Below: Krista Zuzak receiving the Best Technician Presentation Award from Dr. Denis Gaudet**



**PPSA**



Participants at the 2016 Annual Meeting of PPSA, Edmonton, Alberta



## Report on the 2016 Canadian Phytopathological Society – Eastern Ontario Regional Meeting

The Canadian Phytopathological Society – Eastern Ontario Region organized a symposium on November 18, 2016. The meeting was held at the Ottawa Research & Development Centre (ORDC), Central Experimental Farm, in Ottawa, ON. The participants include 57 research scientists, professors, technicians, and students from Agriculture & Agri-Food Canada (AAFC), Canadian Food Inspection Agency, Carleton University and Trent University.

The meeting started with a light lunch providing an opportunity for attendees to communicate and refresh networking. After lunch, welcoming remarks were delivered by Dr. Michèle Marcotte (ORDC Director, AAFC), and Dr. Odile Carisse, CPS President (AAFC). Jennifer Ballantine, Pathology Section Head of the AAFC's Pest Management Centre, briefly introduced the activities of the Centre.

The symposium comprised two oral sessions and a poster session. In a special session on Biovigilance and Disease Management, presentations by Drs. Odile Carisse and André Lévesque illustrated the potential of biovigilance approaches for improved disease management, and how AAFC reference collections support the Biovigilance initiative. Session 2 included four presentations covering studies related to pathogenesis, identification, and resistance breeding. The last presentation by Dr. Keith Seifert discussed the social impacts of potato famine provoking researchers to ponder their research directions. In total there were 12 posters, including 9 posters entered in the student poster competition. SeCan Inc. graciously provided \$300 for the awards. The first place \$150 was awarded to **H. Y. Kitty Cheung**, AAFC; the 2<sup>nd</sup> place \$100 to **Amanda Seto**, Trent University; the 3<sup>rd</sup> place \$50 to **Bodunde O. Oyetoran**, Carleton University.

The organizing committee would like to thank the sponsors of the CPS-EOR meeting for their generous support: CPS for supporting regional meetings, AAFC for facility support, SeCan for \$300 towards the student awards and Syngenta for \$150 for the coffee break.

Organizing committee: *Miao Liu, Sarah Hambleton, Cezarina Kora, James Tambong, Wen Chen*

Advisors: *André Lévesque, Kenneth Conn, Bernard Vigier, Keith Seifert, Marc Savard*

Judges for student poster competition: *Daina Simmonds (Chair), Linda Harris, Hai Nguyen*

Abstract editor: *James Tambong*

Moderators: *Wen Chen, Tara Rintoul*

Room set up: *Parivash Shoukouhi, Rafik Assabgui, Anatoly Belov, Xin Zhou, Kehua Zhu, Jacques Pomerleau*

Photographer: *Quinn Eggertson*

Other voluntary help: *Olivia Pochopsky, Christine Poirier*

Respectfully submitted,

Miao Liu



**A.** The organizers of the meeting, from left to right Drs. André Levesque, Cezarina Kora, Sarah Hambleton, Wen Chen, Miao Liu, James Tambong; **B.** Conversation before lunch (Drs. Bilodeau, Fall, and Carisse); **C.** Demonstration for the presentation (Drs. Seifert and Saville); **D.** Welcome remarks (Dr. Michèle Marcotte, ORDC Director of Research and Development); **E.** Be seated for the presentations; **F.** Dr. Simmonds and the winner of the first place of student poster competition (Kitty Cheung); **G.** The competition committee examine the posters and question the presenters; **H.** Finale (partial participants).



## **Southwestern Ontario Regional Association of the CPS (SORA-CPS) Annual Meeting Report 2016**

On a beautiful autumn day on November 4, 2016, SORA-CPS held its annual meeting from 9:30 am to 4:00 pm at Rittenhouse Hall, Vineland Station, in the Niagara region of Ontario. After holding the Regional meetings in London for the past 7 years, the group met in Vineland this year. The meeting was attended by about 40 attendees including students, plant pathologists, researchers, extension specialists and industry representatives. The program for the meeting included five invited talks and 15 poster presentations on a wide range of phytopathological topics.

Registration with coffee and cookies started at 9:30 am. Due to a road closure on Highway 401, about half of the delegates travelling to Niagara were delayed anywhere from 2-3 hours in arriving at the meeting. We are thankful that all our delegates arrived safely.

Dr. Ken Conn, Regional Representative of SORA-CPS and CPS Treasurer (2012-) presented opening remarks, welcomed the participants to SORA-CPS annual meeting, and acknowledged the generous sponsors (Syngenta, BASF, Bayer, and CPS) of this meeting. Dr. Odile Carisse (CPS President) could not attend the meeting but sent in greetings from the CPS Board of Directors and CPS membership to CPS-SORA. The letter provided an update on national topics. Student members were encouraged to join CPS and some of the benefits include registration fees at 50% of the regular member rate at the CPS annual meetings and also highlighted the student travel awards and video competition, etc.

There were four invited talks which provided fungal infection process, updates on diseases in horticulture during the 2016 growing season, possible solutions for control of some of the diseases, and international plant science initiatives:

- **The fungal infection process as illustrated by the movie “Alien”** by Guest Speaker: Dr. Tom Hsiang, Professor, SES, University of Guelph, Guelph, ON.
- **Lumisena fungicide seed treatment for soybeans** by Pam J. Livingston, DuPont Canada
- **Challenging diseases in horticulture crops during the 2016 season** by Michael Celetti, Plant Pathologist, Horticulture Crops OMAFRA, Guelph, ON.
- **Global Plant Council initiatives** by Deena Errampalli, AAFC, Vineland, ON.

This year there were nine student poster presentations:

- **Fungicide resistance in the turfgrass pathogen *Microdochium nivale*.** R. GOURLIE AND T. HSIANG. *School of Environmental Sciences, University of Guelph, Guelph, ON N1G 2W1, Canada*
- **Sequence-based identification of fungi from ginseng roots and soils.** C. NICOL, A. HALDAR, M. PARCEY, K. I. SCHNEIDER, S. WESTERVELD AND D. ERRAMPALLI. *Agriculture and Agri-Food Canada, 4902 Victoria Ave. N., Vineland Station, ON L0R 2E0 Canada; and (S.W.) Ontario Ministry of Agriculture, Food and Rural Affairs, 1283 Blueline Road, Simcoe, ON, N3Y 4N5 Canada*
- **Evaluation of weather-based forecasting models and cultivar resistance to manage leaf curl [*Colletotrichum fioriniae*] on celery crops in Ontario.** S. REYNOLDS, M. CELETTI, K. JORDAN AND M. R. MCDONALD. *Department of Plant Agriculture, University of Guelph, Guelph, ON N1G 2W1, Canada; and (M.C.) Ontario Ministry of Agriculture, Food and Rural Affairs, Guelph, ON N1G 2W1, Canada*
- **Effects of fumigants and biofumigants on ginseng replant disease.** S. WESTERVELD, A. F. SHI AND R. RIDDLE. *(S.W.) Ontario Ministry of Agriculture, Food and Rural Affairs; (A.F.S.) Ontario Ginseng Growers Association; (A.F.S., R.R.) University of Guelph; and (S.W., A.F.S., R.R.) Simcoe Research Station, 1283 Blueline Road, Simcoe, ON N3Y 4N5, Canada*

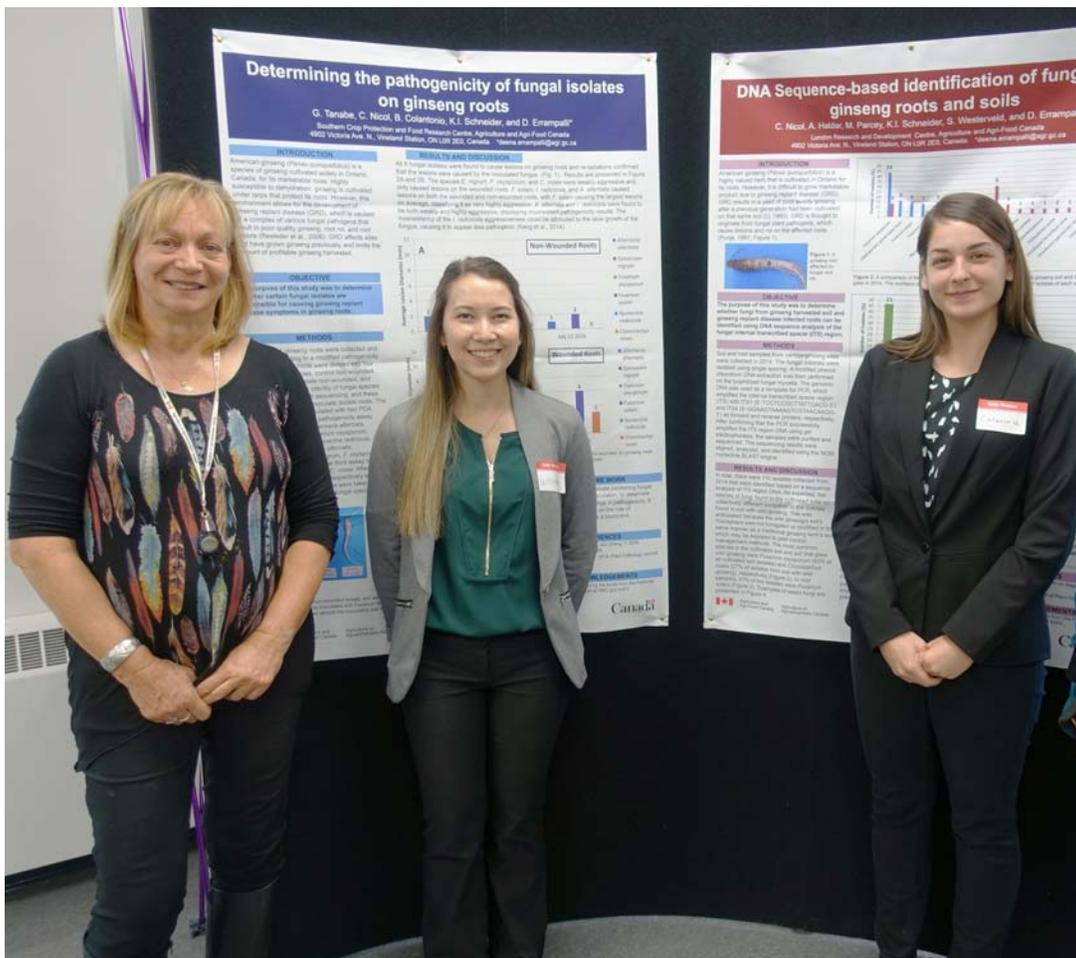
- **Effect of a resistance activator and increased CO<sub>2</sub> on turfgrasses inoculated with *Microdochium nivale*.** S. STRICKER, T. HSIANG AND A. BERTRAND. *University of Guelph, Guelph, ON, Canada; and Agriculture and Agri-Food Canada, Québec City, QC, Canada*
- **Determining the pathogenicity of fungal isolates on ginseng roots.** G. TANABE, C. NICOL, B. COLANTONIO, K. I. SCHNEIDER AND D. ERRAMPALLI. *Agriculture and Agri-Food Canada, 4902 Victoria Ave. N., Vineland Station, ON L0R 2E0, Canada*
- **Relationship between weather variables, airborne spore concentration and stemphylium leaf blight on onions.** S. C. TAYVIAH, B. D. GOSSEN AND M. R. MCDONALD. *Department of Plant Agriculture, University of Guelph, Guelph, ON, Canada; and (B.D.G.) Agriculture and Agri-Food Canada, Saskatoon, SK, Canada*
- **Soybean root suberin and resistance against the pathogen *Phytophthora sojae*.** T. L. A. TULLY, A. BJELICA AND M. A. BERNARDS. *Department of Biology, The University of Western Ontario, London, ON, Canada*
- **Regulation of suberin biosynthesis in a wound-healing potato (*Solanum tuberosum* L.) tuber model.** K. WOOLFSON, A. KACHURA, A. BJELICA, M. HAGGITT, Y. ZHANG AND M. A. BERNARDS. *Department of Biology, The University of Western Ontario, London, ON, Canada*

### Student Awards Presentation

Thank you to Owen Wally and Kevin Dufton who participated as judges for the student poster presentation competition. Dr. Ken Conn presented the four cash prizes for the winners of the best student poster competition. First prize (\$100) was awarded to **Stephen Reynolds** (supervisor: Dr. Mary Ruth McDonald), second prize (\$75) to **Amy Fang Shi** (supervisor: Dr. Paul Goodwin), third prize (\$50) to **Kathlyn Woolfson** (supervisor: Dr. Mark Bernards) and fourth prize (\$25) to **Trish Tully** (supervisor: Dr. Mark Bernards).



Ken Conn and Deena Errampalli presented student poster awards to: (L to R) Amy Shi, Kathlyn Woolfson, Trish Tully and Stephen Reynolds



Students with posters at the 2016 SORA-CPS regional meeting

### Business meeting

Dr. Ken Conn conducted the business meeting following the formal talks and poster presentations. Regional funds are in good shape.

Ken and Deena led the discussion on a proposal for a joint Ontario plant protection societies (Pathology, Entomology, and Weeds) + Ontario Pest Management Conference (OPMC) meeting. The outcomes from a productive discussion are as follows: In principle, the SORA-CPS group has agreed to meet jointly with Ontario plant protection societies + OPMC for a 2 or 2.5 day meeting in 2018. The cost of the meeting was really the only concern expressed by the members including graduate students in attendance and their supervisors. The registration fee is naturally projected to be higher for a 2 or 2.5 day meeting than one day meeting. A recommendation was that organizers from all the

groups involved should have a coordinated effort for obtaining sponsorship well ahead of the meeting to reduce the registration costs as much as possible. We know that CPS-SORA has been successful in raising sponsorship money for our meetings. Suggested locations were Guelph or Niagara Falls. Guelph will be a central location for many of the delegates and of course many would like to meet in Niagara Falls. Suggested time of the meeting is late October to first weekend of November. As to the meeting program, the group has asked to organize a program consisting of talks with common themes of pathology, weeds, and entomology that would encourage mixing of delegates from different societies, as well as allocating time for the individual societies' oral sessions and one joint poster session for all societies. Deena and Ken will take this information to the OPMC committee later in November 2016.

Thank you to the local arrangements committee (Deena Errampalli, Karin Schneider, Jody Rae, and Katerina Nicol) for putting together a one day program and the Italian themed menu with meat and vegetarian lasagna, salad, dessert squares, and fruit. It was delicious and memorable. The SORA-CPS regional meeting for 2017 is planned to be held on November 3, 2017 in Vineland.

Respectfully submitted by:

Deena Errampalli

Chair, SORA-CPS Local Arrangements Committee and CPS Past President, and  
Ken Conn, Regional Representative of SORA-CPS



Mike Celetti presenting an update on diseases in horticulture crops during the 2016 growing season



Participants at the 2016 SORA-CPS regional meeting at Vineland Station, Niagra region of Ontario

**SORA-CPS**



**Southwestern Ontario Regional Association  
Canadian Phytopathological Society**

## COMMITTEE REPORTS

### CPS Membership Update - Report, as of March 19, 2017

A total of **247 members** have renewed or become new members. Emeritus member are currently 41. Regular = 150. There are 25 student members and 5 Technicians/Research Associates.

New members = 21, (Regular 14, Student 7).

Thirteen of 16 Sustaining Associates have renewed.

Last year by June, we had 334 members including sustaining associates and invited foreign guest members.

I urge these members to renew their membership and show support to their professional society.

Respectfully submitted,  
Vikram Bisht,  
Membership Secretary

### CPS Public Relations Committee 2016

The CPS' Public Relations Committee was established in 2015-16, at which time the Term of References were approved.

Committee chairs are as follows: Janice Elmhirst (2015 Chair), Vladimir Vujanovic (2016 Chair), and Pam J. Livingston (upcoming Chair). Other members are: Rashid Khalid and Jianwei Zhao.

The 2015 Term of References\* as well as the basic rules of functioning\*\* were communicated to the CPS-PRC committee members for review prior to approval.

#### \*CPS Public Relations Committee - Terms of References:

**Aim:** The committee is dedicated to raise the profile of the profession of plant pathology among the media and the general populace.

**Mandate:** The primary role of this committee is "media communications", i.e. to provide information to the public on plant diseases and Canadian plant pathologists.

- Format the "media kit" with the help of CPS's administrator(s)/professional(s), and with approval from CPC's authorities;

- Update the list of CPS's members with other Canadian plant pathology scientists, including young PDF scientists;
- Set up links on the CPS website to press and other media clippings, re: current plant pathology issues, notices, and information;
- Provide information on current issues and people on the CPS Facebook page and twitter account.

#### \*\* CPS Public Relations Committee - Basic rules of functioning:

- 1) Meeting of the committee members at least twice per year;
- 2) Equitable distribution of duties among members;
- 3) Minutes of meetings (to be forwarded to the association's administration); and
- 4) Production of an annual report (to be approved at the annual association's meeting).

Next step is to pass a vote for the abovementioned. This will happen at CPS-PRC in 2017 after further discussion, unless a teleconference is arranged prior.

Miscellaneous: We had also begun talking about ways to increase our visibility (e.g. posting CPS' annual meeting dates and updates on top articles on Facebook). In addition, I took the initiative to conduct a preliminary enquiry on the number of graduate students performing pathology-related research in Canadian Universities in 2016. It appears that <8% students fall under the department plant of pathology. It remains to see whether enrollment is overall decreasing or increasing; whether Canada is ahead of behind other developed countries; and whether weather the number of post-doctoral fellows follows a similar trend. However, it raises awareness of the importance in tracking and profiling our demographics.

In conclusion, CPS-PRC activities surrounding 2015-2016 were mainly to determine preliminary elements of functioning, which would allow development and realisations over subsequent years.

## Report of the CPS Nominating Committee

In December 2016, a call for nominations was published in the *CPS News*. The nominations committee subsequently sought nominations for the vacant Board and committee positions. There is a single slate of candidates for the vacant positions (2017-18). \* A name in bold font means that a person has been nominated for the position in 2017-18.

### CPS Board of Directors

Chair: President	Denis Gaudet
President-Elect	Dilantha Fernando
Vice President	<b>*Barry Saville</b>
Past President	Odile Carisse
Secretary	<b>*Tom Fetch</b>
Treasurer	Kenneth Conn
Membership Secretary	<b>*Vikram Bisht</b>
CJPP Editor-in-Chief	Zamir Punja
Senior Director-at-Large	Maria Antonia Henriquez
Junior Director-at-Large	<b>*David Joly</b>

### STANDING COMMITTEES

#### 1) Awards Committee

Chair	Mary Ruth McDonald
5 members	Tom Fetch
(5 year rotating incl. chair)	Syama Chatterton
	Xiben Wang
	<b>*Jeremy Dettman</b>

#### 2) Financial Advisory Committee

Chair: Past President	Odile Carisse
President	Denis Gaudet
President Elect	Dilantha Fernando
Vice President	<b>*Barry Saville</b>
Treasurer	Kenneth Conn
CJPP Editor- in -Chief	Zamir Punja
(3 members appointed by the Board for a two 2 year term)	Tom Fetch
	Khalid Rashid
	Sheau-Fang Hwang
<b>1 member elected at AGM</b>	Bruce Gossen (2016-2018)

#### 3) Future Meetings Committee

Chair:	Stephen Strelkov/ Deena Errampalli
3 members (immediate past LAC chairs)	David Joly
(3 year rotating incl. chair)	<b>*Jim Menzies/Fouad Daayf</b>

#### 4) Journal Editorial Committee

Chair: Editor-in-Chief	Zamir K. Punja
Associate Editor-in-Chief	Stephen Strelkov
Technical Editor	Taylor & Francis

Section Editors:

Bacteria & Phytoplasmas  
Biochemistry & Cell Biology  
Disease Control  
Epidemiology  
Forest Pathology  
Fungal Diseases  
Fungi Canadenses  
Genetics & Resistance  
Genomics  
Host Pathogen Interactions  
Meeting Abstracts / Symposium Papers  
Soilborne Pathogens  
Virology  
Articles in French / Articles en Français  
Disease Reports/Rapports des Maladies

James Tambong  
Suha Jabaji  
Pervaiz Abbasi / Deena Errampalli  
Syama Chatterton  
Richard C. Hamelin  
Angela Orshinsky  
Keith A. Seifert  
Stephen Strelkov /Sabine Banizza/ Tom Fetch  
Tim Xing  
Fouad Daayf / Jie Feng  
Kenneth L. Conn  
Pervaiz Abbasi / Kurt Schroeder  
Xianzhou Nie/Aiming Wang/ Baozhong Meng  
Odile Carisse  
Jim Menzies

**5) Membership Committee**

Chair: Membership Secretary  
Treasurer  
Regional rep. Maritimes  
Regional rep. Quebec (QSPP)  
Regional rep. Eastern Ontario  
Regional rep. Western Ontario  
Regional rep. Manitoba  
Regional rep. Saskatchewan  
Regional rep. Alberta (PPSA)  
Regional rep. B.C.

Vikram Bisht  
Kenneth Conn  
Rick Peters  
Sylvie Rioux  
Miao Liu  
Kenneth Conn  
Fouad Daayf  
Yu Chen  
Syama Chatterton  
Vippen Joshi

**6) Nominating Committee**

Chair: Past President  
Retiring Past President  
3 additional members  
(1- year renewable terms)

Odile Carisse  
Brent McCallum  
Simon Shamoun  
Tod Ramsfield  
**\*Adam Foster**

**7) Resolutions Committee**

Chair:  
3 members  
(3 year rotating incl. chair)

Xiben Wang  
Reem Aboukhaddour  
**\*Genevieve Marchand**

**8) Science Policy Committee**

Chair: President Elect  
Vice-President  
President  
Past-President

Dilantha Fernando  
**\*Barry Saville**  
Denis Gaudet  
Odile Carisse

**9) CPS Education Committee**

Chair: Wayne Barton  
Linda Jewell  
Grace Sumampong  
**\*Jose Ramon Urbez Torres**  
Student rep: Gurcharn Singh Brar  
Student rep: Sarah Stricker

**10) CPS Historic Resources**

Chair: Denis Gaudet

**11) CPS Information Products Marketing Committee**

Chair: Bruce Gossen  
Robin Morrall  
Richard Gugel  
Syama Chatterton  
Mike Harding  
Karen Bailey

**12) CPS International Cooperation Committee**

**Chair** Tom Forge  
Igor Falak  
Maria Antonia Henriquez  
Xiben Wang  
Mary Ruth McDonald

**13) CPS Local Arrangements Committees**

Chair: Jim Menzies/Fouad Daayf (2017 LAC)  
David Joly

**14) CPS Microbial Genetics and Culture Collections**

Chair: Guillaume Bilodeau

**15) CPS Newsletter**

CPS News - Editor Coreen Franke  
CPS News Assoc. Editor Linda Jewell

**16) Public Relations Committee**

Chair: Vladimir Vujanovic  
Pam Livingston  
Khalid Rashid

**17) CPS Website**

Chair: Website Editor Michael Holtz (Agreed to stand- 2yr term, 2016-18)  
Assistant Website Editor **Board will appoint in consultation with Website Editor**  
Sr. Director At-large Khalil Al-Mughrabi  
Jr. Director At-large Maria Antonia Henriquez  
Members **\*Tom Fetch (Secretary)**  
Vikram Bisht (Membership Secretary)  
Kenneth Conn (Treasurer)  
Lorne Adam  
Andrew Wylie

**18) CPS Workshops and Symposia**

Chair: President-Elect

Denis Gaudet

**AD HOC COMMITTEES**

**19) CPS Plant Health Network Committee**

Chair:

Bruce Gossen

**20) Research-Environment Canada Policy**

Chair:

Mary Ruth McDonald  
Krista Anderson  
Bruce Gossen  
Kelly Turkington

Thanks to all our great CPS volunteers. We are grateful to those people who have volunteered to be nominated in 2017.

Respectfully submitted,

Brent McCallum

CPS Past President and Chair of the Nominating Committee (2016-17)

Nominating Committee Members:

Deena Errampalli

Tod Ramsfield

Jim Menzies

Simon Shamoun



## Website Committee Report

We are now in the second year of the new WordPress based CPS website. Currently, the focus has been on improving existing features of the site and implementing additional features.

A number of very necessary changes have been made to the registration system. Most important for users are the deployment of fixes for two problems that affected some members. Previously some members could not renew their memberships online, and for others the expiry date of memberships that were renewed before the end of the calendar year did not change. Solutions to both these problems have been found and implemented.

CPS now has a YouTube channel and the videos are embedded on the website. Currently, this consists

of videos from the 2016 CPS Student Video Competition initiated by Gurcharn Brar. The videos from the upcoming 2017 CPS and CSA meeting will be added to the site after meeting. Also, the registration, payment, and abstract submission system for the 2017 meeting is now available online. It is using a modified version of the system created for the 2016 CPS meeting in Moncton.

A number of improvements are planned for the website including altering the login system to allow members to use their email addresses in addition to their usernames, the improvement of the site's search feature, and allowing the Canadian Plant Disease Survey to be indexed by Google Scholar.

If you have comments or suggestions, please don't hesitate to e-mail me at [michael.holtz@gov.ab.ca](mailto:michael.holtz@gov.ab.ca)

Respectfully submitted,  
Michael Holtz, CPS Website Editor

## Historical Resources Committee Report

The Historical Resources Committee continues to collect archival materials for deposit with Archives Canada. The Committee is also working with Archives Canada for archival of electronic versions of correspondence and other materials generated by the CPS Board and its Committees. The Committee is currently working on evaluating different e-mail systems for ease and adaptability for large-scale archiving of entire mail addresses. The ultimate goal is to develop guidelines for routine archival of materials relevant to the Society.

Respectfully submitted,  
Denis Gaudet

## Report for the Committee on Symposia and Workshops

The Annual Meeting of the Canadian Phytopathological Society will be held jointly with the Canadian Society of Agronomy at the Delta Hotel in Winnipeg from June 18-22, 2017. The Local Arrangements Committee has prepared an impressive program of Symposia and Workshops for the Annual Meeting.

### Three symposia will be presented:

1. A symposium on Fusarium Head Blight slated for the Plenary Session on Monday morning, will be jointly sponsored by CPS and CSA. It will concentrate on agronomic practices for control. Paul Nichol, who is representing BSPP, in this year's CPS-BSPP scientist exchange, will be a featured speaker at this symposium.
2. A symposium on Agronomy and Diseases of Soybeans and Pulses, organised by Fouad Daayf of U of M and Holly Derksen of MA, will take place on Tuesday morning. Funding has already been obtained from the Soybean Producers Association in support of the symposium.
3. A symposium on Extending the Growing Season for Crops in Canada, sponsored by CSA, will be held on the Wednesday morning.

**Three workshops will be presented on the Sunday, June 18:**

1. A workshop on Statistics and Experimental Design. Alissa Kriss from Syngenta will be leading the Workshop. Her expenses will be paid by Syngenta.
2. How to write and edit manuscripts. Presenters will be Brian Beres (CSA), Zamir Punja (CJPP), and Tom Fetch (CPS), and the representative from Taylor and Francis.
3. Workshop on Phytophthora/Fusarium identification by Maria Antonia Henriquez and Deb McLaren of AAFC.

*The LAC will charge a nominal fee of \$20-30 per participant to cover the cost of disposables and coffee etc.*

A field trip organized by CSA and which will cost \$100 and take place on Thursday June 18<sup>th</sup>, will consist of a visit to the U of M research farm at Carman, the AAFC Research Centre at Morden and finally Kelburn Farms.

Respectfully submitted,  
Denis Gaudet

## Future Meetings Committee Report

The 2017 Annual General Meeting of the Canadian Phytopathological Society (CPS) will be held in conjunction with the Canadian Society of Agronomy (CSA). The meeting will be held at the Delta Winnipeg Hotel, 350 St. Mary Avenue, Winnipeg, Manitoba, June 18-21, hosted by Fouad Daayf and Jim Menzies from CPS and Yvonne Lawley, from the Canadian Society of Agronomy. The theme is "**Crop Production and Disease Management – Cultivating Ideas.**" The deadline for submission of abstracts is **May 15**. Please see the CPS website for registration and information on workshops and symposia.

*Future CPS Annual Meetings:*

**2018: Quebec, with la Société de protection des plantes du Québec (SPPQ).**

**2019: Guelph, Ontario with Plant Canada.**

**2020: British Columbia (proposed)**

*Submitted by: Janice Elmhirst,  
Chair, Future Meetings Committee*

## Report on ISPP: March 2017

The Canadian Phytopathological Society is a member of the International Society for Plant Pathology (ISPP). The ISPP (founded in 1968) is a member of the International Union of Biological Sciences (IUBS), the International Union of Microbiological Societies (IUMS), and is in liaison with the UN Food and Agriculture Organization (FAO). The purpose of the ISPP is to promote the worldwide development of plant pathology, and the dissemination of knowledge about plant diseases and plant health management. The Society sponsors the International Congress of Plant Pathology (ICPP) every 5 years and other international meetings on plant pathology and closely related subjects. The 11th ICPP Meeting will take place July 29 to August 3, 2018, in Boston, MA USA. The ICPP 2018, organized by the American Phytopathological Society (APS), will be a global summit of leading scientists focused on the sustainable production and protection of plants. The theme of the meeting will be, "Plant Health in A Global Economy," and presentations will cover the full range of research topics from genomics to epidemiology, which affect plant health at a local and global scale. The ISPP is also pleased to announce that the 12th Congress will be held in Lyon, France from 20-25 August 2023, hosted by the French Society for Plant Pathology. The theme of ICPP2023 will be "One health for all plants, crops and trees".

### Congress committees:

Each International Congress is organized by a Committee appointed by the Associated Society hosting the Congress. One host-country Committee member also serves as a Vice-President of ISPP.

### ICPP Features:

#### Glen Anderson Lecture

The Glenn Anderson Lecture honours Robert Glenn Anderson, the eminent Canadian agricultural scientist, who played a major role in the green revolution. The lecture series, on the security of world food supply was first given at joint meetings of the Canadian Phytopathological Society

(CPS) and American Phytopathological Society (APS) in 1986, and an endowment fund was then established by the CPS. More recently, the Lecture has been given at some International Congresses of Plant Pathology (ICPP1998 to 2013).

### Jacob Eriksson Prize

The Jakob Eriksson Prize is the pre-eminent international award for plant pathology, and is awarded every five years at the International Congress of Plant Pathology. The Royal Swedish Academy of Sciences administers the Jakob Eriksson Prize Fund which provides for a gold medal award at Congresses of the International Society for Plant Pathology. In advance of each Congress, nominations are solicited for a candidate of distinction in recognition of research in mycology, in plant pathology, or in virus diseases, or of a particular publication dealing with such subjects, with the understanding that the work being recognized is of a distinct international value and merit.

The Society also establishes committees to consider and report on special fields or problems in plant pathology, as well as organizes other activities including the ISPP Journal (**Food Security: The Science, Sociology and Economics of Food Production and Access to Food**) and the **International Newsletter on Plant Pathology**. For more information about ISPP, please visit the ISPP website at <http://www.isppweb.org/index.asp>.

The CPS representatives to the ISPP are Zamir Punja, Editor-in-Chief *Canadian Journal of Plant Pathology* (CJPP), and Coreen Franke, Editor *CPS News*.



## Canadian Plant Disease Survey Report

The 2017 edition of the Canadian Plant Disease Survey (CPDS Volume 97) will be posted on-line in March. We received 54 articles and reports. Many thanks to the Section Editors, who volunteer their time and expertise, and to Deidre Wasyliv, our hard-working compiler. In the coming year, in consultation with the CPS Board, we hope to improve the indexing and accessibility of the survey data. A new Section Editor is needed for Fruits,

Nuts and Berries, Ornamentals and Turfgrass / Fruits, Fruits à écale et baies, Plantes ornementales et Gazon. There are usually only one or two short reports per year. Please contact me, [Janice.elmhirst@shaw.ca](mailto:Janice.elmhirst@shaw.ca), if you are interested in taking on this job.

*Submitted by: Janice Elmhirst, National Editor, Canadian Plant Disease Survey*



## AWARDS AND TRAVEL

### Dilantha Fernando Receives USQ Eminent Visiting Scholar Award

**Professor Dilantha Fernando**, Department of Plant Science University of Manitoba was recently honored by University of Southern Queensland (USQ), in Queensland Australia. Dilantha received

**the USQ Eminent Visiting Scholar for 2017 Award** for his scholarly research and international recognition in host-pathogen interactions in wheat and canola. Dilantha gave a university sponsored seminar on wheat-fusarium interactions in honor of this award.

### Visit to Lebanon – Vikram Bisht

Through a Land-O-Lakes Farmer-2-Farmer program, I went to Lebanon as a volunteer to support seed potato production within the country. Most seed potatoes are imported from EU countries and there is significant import of ware potatoes from Egypt. Lebanon produces about 0.443 million MT (or 9.7 million cwt) of potatoes, with a harvested area of 17,352 hectares (or nearly 43,000 acres). Bekaa Valley, situated between Mount Lebanon to the west and Anti-Lebanon Mountains to the east, is a fertile region and one of the most important potato production areas of Lebanon. The productivity of about 26 MT/ha (232 cwt/acre) is reasonably good, but can be improved. P-fertilizer management in high pH soils, diseases and irrigation are important points for consideration.



**Bekaa Valley, 30 km east of Beirut.**



Bekaa Valley, Field plowed in Oct/Nov to breakdown the clods (high % clay) and to be planted in March for early potatoes.



A significant volume of Egyptian potatoes enter the Lebanese market.

A few photos – as a tourist:



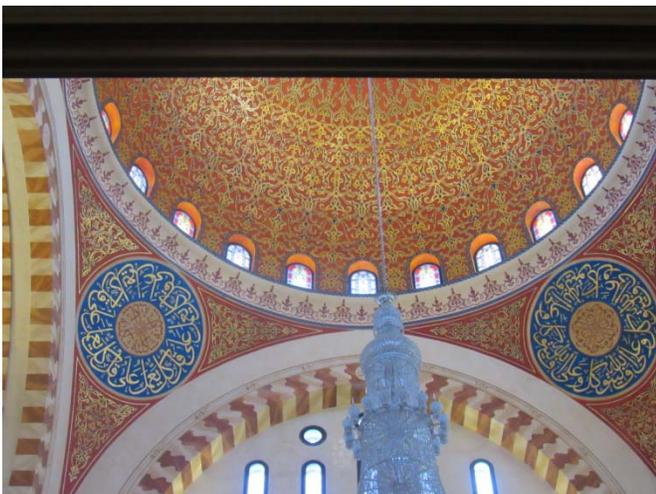
Left: It was good to see locally processed olive oil, and probably not mixed with other oils as heard of on North American market shelves

Below: Old ruins in Byblos, near Beirut



Above: Al Amin or the Blue Mosque, beside St. George Church, in Beirut

Below: Ornate designs inside the Blue Mosque



Place des Martyrs, close to the Blue Mosque

# GRAD STUDENT'S CORNER

## FEATURED STUDENT

**Jesse MacDonald**  
(Simon Fraser University)

I am currently wrapping up my MPM (Masters of Pest Management) degree at Simon Fraser University under the supervision of Dr. Zamir K Punja. Prior to enrolling in the MPM program, I graduated from the University of British Columbia (2009) with a BSc in Life Sciences, and then began my career with Agriculture and Agri-Food Canada the same year under the direction of the Pest Management Centre.

Beginning in my hometown of Summerland, BC, I worked temporarily within the Minor Use Pesticides Program there. Having grown up on an apple orchard, my agricultural background was already strong, and I was able to focus on developing my knowledge of the biology of pests, including weeds, insects, and pathogens. By the end of my term I was able to secure an indeterminate position with AAFC in Agassiz, BC, and worked there for almost five years. During my time in Agassiz I was required to work with a very diverse range of (new to me) crops, including the very unique commercial crop of wasabi. There was very little literature on this high-value crop, and I turned to Dr. Punja for assistance with some pathogen work we were doing. One thing led to another, and I was very fortunate to have the opportunity to work with this crop as a part of a graduate thesis under his supervision, studying anthracnose caused by *Colletotrichum higginsianum*, and continuing with *Botrytis cinerea* and *Albugo candida*. During the course of these studies I was also able to identify, for the first time, five insect pests of wasabi in North America, including an aphid that had previously not been reported in BC. I have since returned to Summerland, and would like to continue my career as a plant pathologist; I am especially interested in projects that integrate disciplines, such as plant pathogen-insect interactions. To date I have been a part of over 100 scientific government reports detailing efficacy, crop tolerance, and residual data of various pest control products, and have written two manuscripts from my thesis work (one in press, one to be submitted).

Outside of work I currently continue to help my parents on their apple orchard, and I have a small peach orchard of my own. I am an avid scuba diver, and will be taking opportunities in the future to explore and better understand the interior lakes of BC.



(Left) Wasabi crop at the Agassiz Research & Development Centre, Agassiz, BC. (Right) Anthracnose on wasabi.

*The CPS Featured Student is a new addition to the CPS Newsletter. Student members of CPS are invited through a randomized selection process to share their research plans and career goals to highlight the rising stars of the CPS community.*

## EMPLOYMENT



ONTARIO AGRICULTURAL COLLEGE  
Department of Plant Agriculture

### **PhD studentship available in plant-microbiome-pathology interactions at the University of Guelph, Canada (starting summer/fall 2017)**

A PhD position in plant-microbiome-pathology interactions is available in the lab of Prof. Manish N. Raizada in the Department of Plant Agriculture at the University of Guelph, starting Sept 1, 2017 or possibly sooner. Guelph is located 1 hour from Toronto and selected as one of the most desirable cities in Canada to live in. An ideal candidate should have a background in plant biology, basic molecular biology (e.g. PCR, sequencing), bacteriology/mycology, and preferably coursework or practice in bioinformatics. However, any exceptional student will be considered, regardless of past training.

The candidate must be a Canadian citizen or permanent resident of Canada.

The Raizada lab's research in endophyte-pathogen interactions has recently been published recently in the prestigious journals *Nature Microbiology* and *Current Biology*, featured on CBC Radio *Quirks and Quarks*, and selected as the Editor's Choice Discovery in Plant Biology by the US magazine, *The Scientist*.

The Raizada lab offers a friendly and mentoring environment for students within a collaborative department. Past graduate students from the Raizada Lab have gone on to international post-doctoral fellowships (UCLA, Cold Spring Harbour, International Rice Research Institute), the private sector (Syngenta, Bayer Crop Science, Indigo LLC) and as tenure-track faculty (University of California, Davis). All past grad students have stayed in the field of plant biology and/or microbiology. Past undergrad researchers have conducted further research at Oxford (as a Rhodes Scholar), Harvard, Johns Hopkins, Cold Spring Harbour and numerous Canadian universities.

Kindly send a resume, unofficial copies of your undergrad and MSc transcripts, and names of 2-3 referees to: [raizada@uoguelph.ca](mailto:raizada@uoguelph.ca). In the header, please note: PhD studentship in plant-microbiome-pathology interactions. Exceptional undergraduate students will also be considered if interested in starting an MSc degree but switching into the PhD degree.

### **Montana State University has a position available for Department Head in Plant Sciences and Plant Pathology**

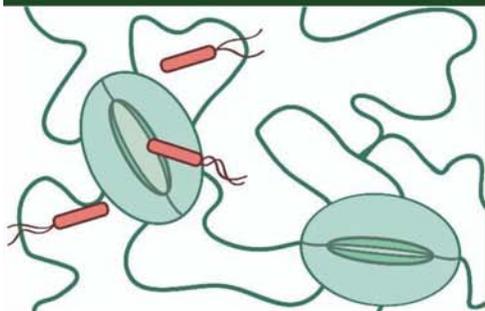
This position is responsible for managing all departmental fiscal affairs; promoting and integrating productive working relationships among the department faculty and staff; promoting the department within the college, university, state and nation; and planning and developing long-term departmental programs in collaboration with the faculty and stakeholders. This person will be responsible for annual faculty performance reviews; guiding new departmental hires; and

communicating on behalf of the department with the academic community, state and federal agencies, private industry, agricultural organizations, and the general public. Administrative responsibilities include oversight of several large service labs. The successful candidate will have the opportunity to maintain an active research program and participate in the instructional and extension programs of the department. For more information, please visit <http://jobs.montana.edu/postings/7342>



**MICHIGAN STATE**  
UNIVERSITY

He Laboratory



### To Apply

Applicants should provide:

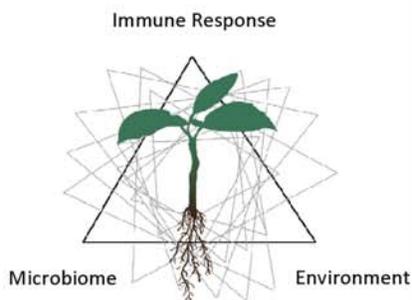
- Curriculum vitae
- Brief description of research experience and future interests
- Three references with contact information

Send materials to:

**Sheng Yang He**

MSU-DOE Plant Research Laboratory,  
Michigan State University,  
East Lansing, MI 48824

[hes@msu.edu](mailto:hes@msu.edu)



## Postdoctoral positions available

We currently have openings for postdoctoral positions. We are seeking highly motivated individuals to join us to explore new areas of plant-pathogen and plant-microbiome interactions. Topics include:

- Molecular bases underlying temperature/drought effects on plant-pathogen interactions
- Genetic mechanisms controlling phyllosphere microbiome homeostasis and plant health
- Structural biology of bacterial effectors and plant defense signaling complexes
- Innovative technologies enabling study of plant-pathogen interactions

Candidates should have a Ph.D. degree by the time he/she is appointed to the position and a strong background in molecular biology, genomics, biochemistry, plant biology, cell biology, structural biology, plant pathology and/or microbiology.

Michigan State University (<http://www.msu.edu>), with unusual breadth and depth in the plant sciences, offers a stimulating atmosphere with excellent genomics facilities and colleagues for high-quality research in plant and microbial sciences. HHMI provides additional high level training and networking opportunities for postdocs.

Michigan State University is an equal opportunity/affirmative action employer.

# PUBLICATIONS

## Entomological Society of Canada



The *Bulletin* has been published quarterly by the Entomological Society of Canada since 1969. It provides information on the activities of the Society and its members, research and employment opportunities, matters of wider scientific importance and book reviews.

### List of Contents / Table des matières

#### Volume 49(1), March / mars 2017

<b>Up front / Avant-propos</b> .....	1
<b>Joint Annual Meeting 2017 / Réunion annuelle conjointe 2017</b> .....	6
<b>2016 ESC Award Recipient / Récipiendaire du prix SEC : The 2016 Bert and John Carr</b>	
Award Recipient / Récipiendaire 2016 du prix Bert et John Carr .....	8
<b>People in the news / Gens qui font les manchettes</b> .....	9
<b>STEP Corner / Le coin de la relève</b> .....	10
<b>Special Feature / Article spécial</b>	
AAFC appoints the next generation of entomologists (Tara Garipey and Peter Mason).....	12
<b>In memory / En souvenir de</b>	
Ásgeir Jónas Thorsteinson (Terry D. Galloway and Olivia Julian Thorsteinson).....	16
Dr Thelma Finlayson (Gail S. Anderson).....	18
Christopher Frederick Hinks (Cedric Gillott and Owen Olfert).....	21
<b>Book Reviews / Critiques de livres</b>	
<i>Eucosma</i> Hübner of the Contiguous United States and Canada (Lepidoptera: Tortricidae: Eucosmini). By D.J. Wright & D.J. & T.M. Gilligan. (Jason J. Dombroskie).....	23
The Book of Frogs: A Life-Size Guide to Six Hundred Species from around the World. By T. Halliday (Christian H. Krupke).....	24
A Handbook to the Ticks of Canada (Ixodida: Ixodidae, Argasidae). By Evert E. Lindquist, Terry D. Galloway, Harvey Artsob, L. Robbin Lindsay, Michael Drebot, Heidi Wood, and Richard G. Robbins (Janet Sperling).....	25
Clé d'identification des principales familles d'insectes d'Europe. By Jacques Mignon, Eric Haubruge and Frédéric Francis (Julien Saguez).....	27
Bark Beetles: Biology and Ecology of Native and Invasive Species. Edited by F.E. Vega and R.W. Hofstetter (Kathleen Ryan).....	29
<b>Books available for review / Livres disponibles pour critique</b> .....	31
<b>Society business / Affaires de la Société</b>	
Nominations for ESC Board of Directors / Nominations pour le Conseil d'administration de la SEC .....	32
Call for interest for the position of Editor-in-Chief / Avis à manifestation d'intérêt pour le poste de rédacteur scientifique : <i>The Canadian Entomologist</i> .....	33
Thirteenth Annual Photo Contest/Treizième concours annuel de photographie.....	34
New ESC Science Policy Committee and its mandate / nouveau comité de la politique scientifique de la SEC et son mandat. ....	36
<b>Content of newsletters published by the Canadian Phytopathological Society / Contenu des bulletins publiés par la Société canadienne de phytopathologie</b> .....	40
<b>Meeting Announcements / Réunions futures</b> .....	41
<b>Officers of affiliated societies / Dirigeants des sociétés associées</b> .....	43
<b>The last word / Le dernier mot</b> .....	44
<b>Governing board / Conseil d'administration</b> .....	inside back cover

## ISPP - International Newsletter on Plant Pathology



The International Society for Plant Pathology promotes the world-wide development of plant pathology and the dissemination of knowledge about plant diseases and plant health management.

News and announcements from all on any aspect of Plant Pathology are invited for the Newsletter.

**Editor: Daniel Huberli**

e-mail: [ispp.nl.editor@isspweb.org](mailto:ispp.nl.editor@isspweb.org)

Members of Associated Societies of ISPP can receive e-mail notification of Newsletter updates by joining the ISPP mail list.

<http://www.isppweb.org/newsletter.asp>

### ISPP NEWSLETTER 47 (2) February 2017

In this issue:

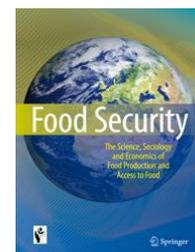
- Nominations for the ISPP Executive 2018-2023
- Alerts for policy makers extracted from papers published during 2016 in Food Security
- Ancient Chinese riddle of travertine dam creation solved
- Top-cited and downloaded articles in Annals of Applied Biology from 2016
- GM bananas to be trialed for Fusarium TR4 resistance in Australia
- Scientists identify the real monarch of the forest: fungus
- How viruses hijack cell's machinery in bacteria
- Off-switch for CRISPR-Cas9 gene editing system discovered
- Frontiers for research on the ecology of plant-pathogenic bacteria

- Molecular Plant Pathology - Editor in Chief Sought
- Second Edition of Compendium of Blueberry, Cranberry, and Lingonberry Diseases and Pests - new book
- Tarped citrus trucks will fight Asian Citrus Psyllids
- Acknowledgements
- Coming events

### ISPP Newsletter 47 (3) March 2017

In this issue:

- Reminder on nominations for the ISPP Executive 2018-2023
- Ken Pegg - 60 years of plant pathology in Queensland's Fruit Industries
- Global Good Practice Notes
- Pacific Pests and Pathogens app version 5 released
- Insights into fungal-bacterial symbioses may lead to novel methods of *Rhizoctonia solani* control
- Penn State Creates Center for Microbiome Research
- Acknowledgement of the contributors to the Global Survey on Crop Losses
- Asian Conference on Plant Pathology ACPP2017 -13-16 September 2017, Jeju, South Korea
- Overconsumption leads to loss of one fifth of world's food
- How trees talk to each other
- Prospects for biological soilborne disease control: Application of indigenous versus synthetic microbiomes
- Zebra chip disease: Portable diagnostic tool breakthrough aims for fast, accurate results
- Discovery of new rust in sugarcane
- Acknowledgements
- Coming events



Canadian  
Phytopathological  
Society



La Société  
Canadienne de  
Phytopathologie

## Submission Deadline for the June 2017 issue of CPS-SCP News

**PLEASE NOTE:** The submission deadline for the June 2017 issue of CPS - SCP News is **May 26, 2017**. If you send photographs for publication in the CPS-SCP News, please ensure that you indicate that all individuals appearing in the photographs have given permission for their photographs to appear in the newsletter. Photographs will not be published if permission has not been obtained from the individuals involved.



## Contact the Editors

**Coreen Franke, Editor**

Crop Production Services Canada - RD&I  
201 - 407 Downey Road  
Saskatoon, Saskatchewan  
S7N 4L8  
Telephone/Téléphone: 306-668-6633/  
306-229-4180 (cell)  
Facsimile/Télécopieur: 306-668-5564  
[coreen.franke@cpsagu.ca](mailto:coreen.franke@cpsagu.ca)

**Linda Jewell, Associate Editor**

Agriculture and Agri-Food Canada/Agriculture et Agroalimentaire Canada  
308 Brookfield Road  
St. John's, Newfoundland & Labrador  
A1E 0B2  
Telephone/Téléphone: 709-772-4170  
[linda.jewell@agr.gc.ca](mailto:linda.jewell@agr.gc.ca)