

CPS • SCP News



CANADIAN PHYTOPATHOLOGICAL SOCIETY • SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE

VOL. 62, NO. 1

<http://phytopath.ca>

March 2018

President's Message



Denis Gaudet
CPS-SCP President/président

The 'view' from retirement.

Well, its been 3 years since I retired from the AAFC Lethbridge Research Centre, after approximately 35 years of service. Without question, I loved my job. But as I drew near to retirement age, it became a question of not 'if' but 'when'. A major consideration in choosing 'when' was the fact that my employer informed me at least a year in advance that they were going to refill my position. Thus, I came to see that my retirement provided an opportunity to give a young scientist an opportunity for a great

Inside this issue:

President's Message	1
Message de le président	3
Announcements	4
Simplot Canada Ltd in Manitoba	4
CPS-QSPP Joint Meeting 2018	5
Atlantic Meeting of CPS 2018	6
CPS Education Award	7
Potato Association of America 2019	7
Publishing Assistance from CPS	8
Regional Meeting Reports	8
CPS-Saskatchewan	8
CPS-BC	10
CPS-Southern Ontario	12
Grad Students' Corner	15
People and Events	16
Welcome Dr. Yared Tewoldemedhin!	16
Dr. Fernando Delivers Presentation	16
In Memoriam: Dr. William R. Jarvis	17
Scholarships	18
Committee Reports	19
Membership Committee	19
Publications	20
ISPP	20
Entomological Society of Canada	22
Contact the Editors	23

career such as one I had. About the same time, I was approached by the CPS Board to serve in the presidential stream, thereby

providing me with the opportunity for an additional four years of service to science and the scientific community. This was a stroke of pure good luck and I am truly grateful for the opportunity to serve as the CPS President today.

In addition to travelling, retirement has also given me time to reflect on my career and those aspects that

have provided the greatest satisfaction. Adjectives such exciting, challenging, rewarding and, at times, frustrating characterized my life as a plant pathologist in the public service. Retirement came with some regrets, particularly those associated with the loss of those daily scientific contacts with colleagues and friends. Additionally, I continue to miss being in the center of the pursuit of knowledge and science. Even today, I often think about science and 'my pathogens'. Clearly my service, whether to the public or to the scientific community, is the contribution I have found the most rewarding. Many scientists will acknowledge their service of mentorship to their client community and students is the most inspiring aspect of their careers. So how can we 'mature' scientists still remain current with the science and be of service to the greater Canadian plant pathology community?

The CPS has recently launched a mentorship program, whereby senior or retired scientists may provide advice and

direction to young plant pathology professionals who are unemployed or are employed in academia, government or private industry and wish to increase their competencies and confidence in any aspect of plant pathology. Graduate students and post-docs may also participate in the

program where mentors can contribute to the depth and breadth to graduate student committees or

project coordination.

Additionally, the CPS is always looking for volunteers to serve on it's many Committees where knowledge, experience and energy are always welcome attributes among members. Finally, the CPS is looking for members to undertake book and other publishing projects and is willing to fund these publishing projects. There are so many opportunities for members to become involved and be involved, even beyond retirement.

Canadian plant pathologists have a unique perspective on our national agricultural landscape. We can offer our experience and knowledge to a new generation of plant pathologists and serve our society and colleagues. I invite all members to review the mentorship program and other volunteer positions on the CPS website and determine how they can contribute and participate in this engagement opportunity. Contact me at denisandregaudet@gmail.com with any queries or comments about your role in

"I invite all members to review the mentorship program and other volunteer positions on the CPS website and determine how they can contribute and participate in this engagement opportunity."



Message de le président

« Vue plongeante » sur la retraite

Eh bien! Cela fait trois ans que j'ai pris ma retraite du Centre de recherche d'Agriculture et Agroalimentaire Canada, à Lethbridge, après environ 35 années de service. J'ai sans contredit aimé mon travail. Mais, comme l'âge de la retraite approchait, la question qui se posait n'était plus « si », mais « quand ». La principale raison qui m'a décidé à choisir « quand » a été l'annonce de mon employeur, au moins une année à l'avance, relative au comblement de mon poste. J'ai ainsi réalisé que ma retraite offrait à un jeune scientifique l'occasion d'entamer une carrière aussi formidable que la mienne. Vers la même époque, le conseil de la Société canadienne de phytopathologie (SCP) m'a approché pour que je me joigne à eux pour éventuellement assumer le mandat de président. Cette occasion me donnait la possibilité de servir la science et la communauté scientifique pendant encore quatre années. Cela a été un coup de chance et je suis profondément reconnaissant d'occuper, aujourd'hui, ce poste au sein de la SCP.

En plus de voyager, la retraite m'a permis de réfléchir à ma carrière et à ces aspects qui m'ont procuré la plus grande satisfaction. Des adjectifs tels que « passionnant », « stimulant », « gratifiant » et, parfois, « frustrant » caractérisent ma vie en tant que phytopathologiste au sein de la fonction publique. La retraite s'est accompagnée de quelques regrets,

notamment de ceux associés à la perte de ces échanges scientifiques quotidiens avec les collègues et les amis et, en outre, de ne plus me trouver au cœur de la quête de la

connaissance et de la science.

Aujourd'hui encore, je pense souvent à la science et à mes « agents pathogènes ».

De toute

évidence, mes années passées au service du public ou de la communauté scientifique correspondent à la contribution que je considère comme la plus gratifiante. Plusieurs scientifiques avoueront que leur rôle en tant que mentor à l'égard de leur clientèle ou de leurs étudiants a été l'aspect le plus exaltant de leur carrière. Alors, comment pouvons-nous, nous scientifiques « mûrs », nous maintenir à jour par rapport à la science et continuer de servir la communauté canadienne de la phytopathologie au sens le plus large?

La SCP a récemment lancé un programme de mentorat dans lequel des scientifiques chevronnés ou à la retraite peuvent fournir conseils et directives aux jeunes professionnels de la phytopathologie sans emploi ou embauchés par le secteur universitaire, public ou privé, et qui désirent élargir leurs compétences et acquérir de la confiance dans des domaines de la phytopathologie, quels qu'ils soient. Les étudiants diplômés et postdoctoraux peuvent également participer au programme dans le cadre duquel les mentors contribuent à l'ampleur et à l'étendue des comités d'étudiants diplômés ou à la coordination des projets.

“J’invite tous les membres à consulter, sur le site Web de la SCP, tous les programmes de mentorat ainsi que tous les postes de volontaires ouverts afin qu’ils puissent déterminer comment ils peuvent contribuer et participer à ces possibilités de collaboration.”

De plus, la SCP recrute constamment des volontaires pour participer à ses divers comités où connaissances, expérience et dynamisme sont des qualités reconnues chez les membres. Enfin, la SCP est à la recherche de membres qui désirent participer à des projets de livres ou de tout autre type de publication qu'elle est disposée à financer. Ces projets représentent autant de possibilités pour les membres de s'impliquer dans la SCP, et ce, même au-delà de la retraite.

Les phytopathologistes canadiens ont une approche unique quant à notre paysage agricole national. Nous pouvons offrir notre

expérience et notre savoir à une nouvelle génération de phytopathologistes et, par le fait même, rendre service à notre société et à nos collègues. J'invite tous les membres à consulter, sur le site Web de la SCP, tous les programmes de mentorat ainsi que tous les postes de volontaires ouverts afin qu'ils puissent déterminer comment ils peuvent contribuer et participer à ces possibilités de collaboration. Si vous avez des questions à poser ou des commentaires à formuler concernant votre rôle en ce qui a trait à la croissance de notre société, contactez-moi à denisandregaudet@gmail.com. Merci.

Denis Gaudet, président



Announcements

Simplot Canada Ltd Invests in Manitoba

Simplot Canada Ltd recently announced an investment of \$460 million for capacity expansion of their Portage La Prairie, Manitoba potato processing plant. This would lead to significant increase in the acres of potatoes in MB.

Respectfully submitted:

Vikram Bisht, CPS Membership Secretary



CPS-QSPP Joint Meeting 2018



CPS-QSPP joint meeting • Réunion conjointe SCP-SPPQ

The future of pesticides and the ‘omics’ era: will plant pathogens have the last word?

**L'avenir des pesticides et l'ère des ‘omiques’:
les agents pathogènes auront-ils le dernier mot ?**

Hotel Delta Québec, Québec
June 17 to June 20, 2018 • 17 au 20 juin 2018



THE CANADIAN PHYTOPATHOLOGICAL SOCIETY
LA SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE



Société de protection des plantes du Québec
Quebec Society for the Protection of Plants

Online Registration is now OPEN for the CPS-QSPP Meeting!

<https://phytopath.ca/meetings/cps-annual-meeting-2018/>

The Early Registration deadline is May 1, 2018!

The conference is being held at Delta Québec, Québec. The Canadian Phytopathological Society has negotiated a room rate of \$189 CAD per night at the Delta Québec, 690, boul. René-Lévesque Est, Québec, QC, G1R 5A8 (418-647-1717)

La Société Canadienne de Phytopathologie a négocié un tarif par nuit de 189\$ CAD au Delta Québec, 690, boul. René-Lévesque Est, Québec, QC, G1R 5A8 (418-647-1717)

http://www.marriott.com/meeting-event-hotels/group-corporate-travel/groupCorp.mi?res-LinkData=Canadian%20Phytopathological%20Society%20CPS%5Eyqbdr%60k6ik6ia%7Ck6ik6ib%7Ck6ik6ic%7Ck6ik6id%60189.00%60CAD%60false%604%606%16%18%606%21%18%605%26%18&app=resvlink&stop_mobi=yes

Please Note: Use Delta Québec. By your booking at the Delta Hotel, the CPS and QSPP gets a better price for Hotel conference rooms/catering and rooms for keynote speakers.



Atlantic Regional Meeting of CPS 2018

St. John's Research and Development Centre,
308 Brookfield Rd., St. John's, NL

August 30th, 2018

Come to St. John's to meet your regional colleagues and to hear the latest in plant disease research and technical developments!

There will be time for about 12 oral presentations. A display area for posters will also be provided. A health break/poster session will take place mid-afternoon. An awards dinner will follow the presentations.

To register for the Atlantic Region CPS Meeting 2018, to request more details, and/or to submit an abstract for a presentation, please email Linda Jewell (linda.jewell@agr.gc.ca).

REGISTRATION DEADLINE: August 3, 2018

ABSTRACT DEADLINE: August 10, 2018

We look forward to seeing you in St. John's!

Rick Peters, CPS Atlantic Region rep

Linda Jewell, Host of CPS Atlantic Region Meeting 2018



Call for Nominations for the CPS Education Award

The CPS Education Award recognizes the contributions of individuals or groups in the development of teaching resources for use by instructors in schools, universities or industry to illustrate principles of plant pathology and to encourage interest in this field.

Purpose of the Award

The intent is to encourage individuals or teams to design educational resources or develop projects to inform grade school and high school students, university students or industry extension staff about the importance of plant pathology.

Nature of the Award

The award consists of \$100, an engraved plaque, and a photo in the CPS News.

Eligibility Guidelines

All members of the public may submit nominations, including students and members of the Canadian Phytopathological Society.

The following educational resources may be submitted: videos, websites, software, educational games, mobile apps, podcasts, posters explaining topics in plant pathology or describing scientific projects, or feature articles that foster interest in the field of plant pathology.

How to submit an entry

Please send the nomination form (available by email) and a digital copy or link to the educational resource by email to CPS.education.committee@gmail.com.

Closing Date

May 15, 2018, 23:00 Pacific Standard Time

Important reminders

Winning entries will be made available to the public and educators through the CPS website or through social media.

CPS is not responsible for any material that may be damaged or lost in transit.



Potato Association of America 2019 Annual Meeting



THE POTATO ASSOCIATION
OF AMERICA

Mark your calendar! The Potato Association of America 2019 annual meeting will be hosted in Winnipeg, Manitoba, July 28-Aug 1. For more information contact: Vikram.Bisht@gov.mb.



Want Help in Publishing Your Next Project?

The CPS is willing to help you publish your next book/monograph/video. Book publications have long been and remain an important tool by which the CPS fulfills its mandate for public outreach. *Disease of Field Crops in Canada*, *Diseases and Pests of Vegetable Crops in Canada*, and *Plant Pathology in Canada/Pathologie végétale au Canada 1979-2008*, are examples of books published by the CPS that serve the CPS membership, agri-business or the general public. However, books no longer are the only means of serving our outreach mandate and videos posted to YouTube are increasingly becoming an important media tool. An excellent example of a Canadian plant disease-related video was produced by the Canola Council of Canada using CPS member expertise (see: <https://www.canolacouncil.org/media/video-gallery/crop-production-videos/>).

If you have an idea for a project that addresses Plant Pathology in Canada, please contact Vikram Bisht (vikram.bisht@gov.mb.ca).



Regional Meeting Reports

Saskatchewan Regional Meeting of CPS

The CPS-SK had regional meeting on December 11th, 2017 at AAFC Saskatoon. Current CPS president Denis Gaudet joined the meeting on site and provided opening remarks for the meeting. A total of 45 people attended this meeting.

Seven oral and five poster presentations were given including four student oral presentations and three feature presentations. The presentations covered plant diseases on a wide range of crops such as wheat/durum, canola, and field peas/lentils. Research projects include fundamental, molecular, biological, and resistance management strategies.

Student presentation appreciation awards were presented to the graduate students who did presentations. We received 12 abstracts for the presentations and 1 abstract was sent to CPS Publication.

The winning student presentations were entitled:

Existence of divergent lineages and virulence phenotypes in the Canadian *Puccinia striiformis* f. sp. *tritici* population. G. S. Brar, S. Ali, K. Lou, P. R. Maclachlan, C. J. Pozniak, Y. B. Fu, A. G. Sharpe, and H. R. Kutcher.

Mitigation of stripe rust and leaf spot diseases in winter wheat in western Canada.
K. Nabetani, J. M. Lobo, B. L. Beres, K. Coles, R. Aboukhaddour, T.K. Turkington, W.E. May and H. R. Kutcher.

Cover crop grasses reduced concentration of *Plasmodiophora brassicae* resting spores under controlled conditions. A. Sedaghatkish, B. D. Gossen & M. R. McDonald.

***Sphaerodes* mycoparasitic effect on biodegradation and biodetoxification of *Fusarium* mycotoxins.** S.H. Kim & V. Vujanovic.

Six local CPS members (Coreen Franke, Lone Buchwaldt, Jianwei Zhao, Fengqun Yu, Melissa Kehler and Yu Chen) formed the local committee. BASF and CPS supported this meeting with great amount of sponsorship.

We are expecting another successful CPS-SK meeting in 2018.

Yu Chen
CPS-SK Representative



CPS-SK representative Yu Chen (left) with student award winners Gurcharn Brar, Keiko Nabetani, Afsaneh Sedaghatkish, and Seon Hwa Kim (left to right from Dr. Chen), and CPS President Dr. Denis Gaudet (right)



BC Regional Meeting of CPS

The CPS-BC Regional meeting was held on November 2-3 at the Canadian Forest Service – Pacific Forestry Centre, Victoria, B.C. The meeting was organized and hosted by the local arrangements committee consisting of Simon Francis Shamoun, Mike Cruickshank, Harry Kope, Siva Sabaratnam, Grace Sumampong, Holly Williams, Arezoo Zamany and Robert Kowbel. The meeting was well attended by a total of 38 registered attendees including participants from federal and provincial governments, researchers, academia and students. Meeting agenda captured a wide range of phytopathological topics in Agriculture and Forestry.

Following registration and welcome remarks by Dr. Anthony Hopkin, Director- Entomology and Phytosanitary Program, Pacific Forestry Centre, the formal part of the program consisted of 28 oral and poster presentations. Key note speaker of the meeting: Dr. Karen A. Garrett, University of Florida spoke on adapting plant disease management systems to global change. In addition, brief overviews of noteworthy plant disease detections in B.C. were presented by Vippen Joshi, B.C. Ministry of Agriculture, and Harry Kope, B.C. Ministry of Forests, Lands, Natural Resource Operations. The winners for students and post-doctoral fellow presentations were as follows:

Oral presentations:

1st prize: Li Ni, Simon Fraser University

2nd prize: Kiah Allen, University of British Columbia (UBC) Vancouver.

Poster presentations:

1st prize: Melissa Larrabee, UBC Okanagan

2nd prize: Jessica Wyatt, University of Victoria

Post-doctoral winner: Dr. Sudarsana Poojari, AAFC, Summerland

The competition awards were presented to the students by Dr. Simon F. Shamoun. Vippen Joshi, CPS-BC Regional representative, conducted the business meeting towards the end of the two half-days meeting. Thanks were extended to the local arrangements committee and judges for the student presentation competition. Attendees are thankful to the Pacific Forestry Centre for allowing the use of the facility free of charge. Next year's regional meeting is to be held in the Lower Mainland of B.C.

Respectfully submitted by:

Vippen Joshi, CPS-BC Regional Representative



Group photo of some attendees of the CPS-BC Regional Meeting



Presentation Winners with Dr. Simon F. Shamoun

Top row, left to right: Dr. Sudersana Poojari; Melissa Larrabee, UBC Okanagan;
Jessica Wyatt, UVIC

Bottom row, left to right: Li Ni, SFU; Kiah Allen, UBC Vancouver



Southern Ontario Regional Meeting of CPS

The Southwestern Ontario Regional Association of the CPS (SORA-CPS) held its annual meeting from 9:30 am to 4:00 pm on November 3, 2017. The meeting was held at Rittenhouse Hall, Vineland Station, in the Niagara region of Ontario. The meeting was attended by over 43 people including students, researchers, technicians, 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. Dr. Ken Conn, Regional Representative of SORA-CPS and CPS Treasurer (2012-present) presented opening remarks, welcomed the participants to SORA-CPS annual meeting and acknowledged the generous sponsors of this meeting. Dr. Denis Gaudet (CPS President) could not attend the meeting but sent in greetings from the CPS Board of Directors and CPS membership to CPS-SORA. His letter provided an update on national topics. Student members were encouraged to join CPS as some of the benefits include a free membership in 2018, the student travel awards and video competition, etc.

There were five invited talks which covered vegetable pathology, protocols for detection of plant pathogenic viruses, updates on diseases in field crops during the 2017 growing season and possible solutions to control some of the diseases, and international plant science initiatives:

“Vegetable plant pathology and more - research results from the Holland Marsh.”
Guest Speaker: Mary Ruth McDonald, University Of Guelph, Guelph, ON

“A to Z; a comprehensive protocol for Grape Red Blotch virus and Grapevine leafroll associated virus (GLRaV-3) detection.” Guest speaker: Won-Sik Kim, Norgen Biotek, Thorold, ON

“Challenging Diseases in Field Crops during the 2017 Season.” Guest Speaker: Albert Tenuta, OMAFRA, Ridgetown, ON

“Global Plant Council Initiatives.” Guest Speaker: Deena Errampalli, AAFC, Vineland, ON

This year there were six 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*

In search of chemicals for the control of stem and bulb nematode (*Ditylenchus dipsaci*) in the Canadian garlic (*Allium sativum*) industry. L. IVES, M. CELETTI, K. JORDAN AND M. R. MCDONALD. *Department of Plant Agriculture, University of Guelph, 50 Stone Road East, Guelph, ON N1G 2W1, Canada; and (M.C.) Ontario Ministry of*

Agriculture and Food and Ministry of Rural Affairs, University of Guelph, Guelph, ON N1G 2W1, Canada

Effect of Ginsenosides on the growth of *Clonostachys rosea* and *Fusarium oxysporum*. J. L. MARTIN, G. E. M. TANABE, K. I. SCHNEIDER AND D. ERRAMPALLI. *Agriculture and Agri-Food Canada, 4902 Victoria Ave. N., Vineland Station, ON L0R 2E0, Canada*

Host specificity and survival of *Colletotrichum* species on celery and common weeds. S. REYNOLDS, M. J. CELETTI, K. S. 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 solarization, anaerobic soil disinfestation and mustard biofumigation on ginseng replant disease. A. F. SHI AND S. WESTERVELD. *School of Environmental Sciences, University of Guelph and Ontario Ginseng Growers Association, 1283 Blueline Road, Simcoe, ON N3Y 4N5, Canada; and Ontario Ministry of Agriculture, Food and Rural Affairs, 1283 Blueline Road, Simcoe ON N3Y 4N5, Canada*

Efficacy testing of low risk products against turfgrass diseases in Ontario. K. STONE AND T. HSIANG. *Environmental Sciences, University of Guelph, 50 Stone Road East, Guelph, ON N1G 2W1, Canada*

Student Awards Presentation

Genevieve Marchand and Owen Wally participated as judges for the student poster presentation competition. Dr. Ken Conn announced the four cash prizes to student poster competition winners. The first prize (\$100) for the best student poster presentation was awarded to Stephen Reynolds (supervisor: M.R. McDonald), second prize (\$75) went to Amy Fang Shi (supervisor: S. Westerveld), third prize (\$50) went to Lilieth Ives (supervisor: M.R. McDonald), and fourth prize (\$25) went to Katherine Stone (supervisor: T. Hsiang).

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 that was proposed to be held in the fall of 2019. Just to give some background, during the 2016 annual meeting of the SORA-CPS, the group had agreed in principle to meet jointly in 2018. However, earlier in 2017, the organizing committee of the joint Ontario pest management conference announced that the joint meeting was to be held in 2019 instead of 2018. Changing of the year from 2018 to 2019 presents a conflict for SORA-CPS. The Canadian Pathological Society (CPS), the national society of SORA-CPS, will

be meeting with Plant Canada from July 7-11, 2019 in Guelph and it is a tradition for the regional societies, in this case the SORA-CPS, to host the national meeting in their region. As a result SORA-CPS will not be able to participate at the joint OPMC, ESC and OWC 2019 meeting. However, SORA-CPS believes in the joint meeting of the Ontario groups and we will be happy to meet jointly with the Ontario groups in 2020. Deena and Ken took this information to the OPMC organizing committee later in November 2017. We are happy to report that the joint meeting of the pest management groups will be held in 2020.

Thanks to the judges of the student poster competition, and to the local arrangements committee, Deena Errampalli, Karin Schneider, Jody Rae and Jenna Martin, for putting together the one day program. The Italian-themed menu with meat and vegetarian lasagna, salads, dessert squares, and fruit was delicious and memorable. The SORA-CPS regional meeting for 2018 is planned to be held in November 2018 in Simcoe, ON.

Respectfully submitted by:

Deena Errampalli
Chair, SORA-CPS Local Arrangements Committee and President, Plant Canada

Ken Conn,
Regional Representative of SORA-CPS and CPS Treasurer



Left: Drs. Deena Errampalli and Ken Conn with 2017 SORA CPS student poster presentation award winners. From left: Drs. Deena Errampalli, Lilieth Ives, Stephen Reynolds, Amy Fang Shi, Katharine Stone and Dr. Ken Conn.



Right: Group photo of the attendees at SORA CPS 2017 annual meeting in Vineland, ON.



Grad Students' Corner

FEATURED STUDENT:

Dianeveys Gonzalez-Pena Fundora
(University of Lethbridge)



Dianeveys in the laminar with one of her flasks of cell suspension culture of *Brachypodium distachyon*

I am a doctoral candidate in the Biochemistry Department at the University of Lethbridge, Alberta, under the co-supervision of Drs. Nora Foroud and Nehal Thakor. I have a B.Sc. and a M.Sc. in Microbiology from University of Havana, Cuba.

During my undergraduate studies, and later as a junior scientist at National Institute of Agricultural Sciences (INCA) in Dr Falcon's lab, my focus was on the effect of chitosan as an antimicrobial compound against *Phytophthora* spp. and as an elicitor of plant defense responses. My research encompassed three main subjects: 1) the resistance response induced by chitosan treatments against *P. nicotianae* and *P. infestans* infections in tobacco, tomato and potato plants; 2) the impact of chitosan on the life cycle of *Phytophthora* spp. and fungal spp.; 3) field validation of greenhouse results showing chitosan-mediated control of diseases in various crops and increased yield production. I was also involved in Dr. Napoles' projects, based on generation and

application of biofertilizers using rhizobia species, which were extended through the country to reduce chemical fertilizers in legumes.

The expertise I developed in Cuba gave me the opportunity to collaborate and expand my experiences abroad. I spent 5 months under the supervision of Dr. Daayf at University of Manitoba in Canada, and 6 months at the University of Fribourg, Switzerland, under the supervision of Dr. Mauch. I also worked on soybean-chitosan-fungi interactions with Dr. Napoles at Rizobacter in Argentina. My interaction with these amazing groups of scientists increased my professional skills and encouraged me to continue in this field.

Currently, I am studying mitogen-activated protein kinase pathways in the *Fusarium graminearum-Brachypodium distachyon* pathosystem in the Foroud lab at Agriculture and Agri-Food Canada (AAFC) in Lethbridge. *F. graminearum* is one of the causal agents of fusarium head blight disease in wheat, which impacts Canadian agriculture heavily. I am using genomics and proteomics approaches to identify and isolate downstream elements of the Mgv1 (MAPK) pathway in *F. graminearum*. I also generated a *B. distachyon* cell suspension culture to study plant MAPK activation and other elements of the host-response to *Fusarium*. The project is funded through the Genomics Research and Development Initiative at AAFC and I have been awarded a scholarship through the Alberta Innovates-Technology Futures. My long-term goal is to continue my research career as a plant pathologist either in a research center or in an academic environment.



People and Events

Dilantha Fernando Delivers Invited Presentation at the 10th World Mycotoxin Forum



Dr. Dilantha Fernando

Dilantha Fernando, Dean of Studies and Professor at the University of Manitoba was an invited speaker in the plenary session “A step beyond - Towards a mycotoxin-free supply chain through next level control strategies” at the 10th World Mycotoxin Forum held in Amsterdam, in the Netherlands from March 11-14, 2018. Dilantha’s talk was titled “Lowered mycotoxin accumulation in cereal crops through investigation of fusarium/host interactions: *challenges and opportunities through omics.*” Fusarium mycotoxins in cereals is the most

economically devastating issue in cereals in Canada. With the identification of newer toxins and chemotypes, there are demanding constraints faced by the industry. Ana Badea (AAFC), James Tucker (AAFC and University of Manitoba) and Chami Amarasinghe (University of Manitoba) were co-authors to the presentation given by Dilantha.



Welcome to CPS, Dr. Yared Tewoldemedhin!



Dr. Yared Tewoldemedhin

Yared is a new member of CPS who recently immigrated to Canada from South Africa. He obtained his PhD in Plant Pathology from Stellenbosch University in 2010. His main focus of research was soilborne plant diseases. Before Yared came to Canada he was part of a research team at the Plant Protection Research Institute of the Agricultural Research Council of South Africa in Stellenbosch. The institute dedicated its activities to address the needs, in-terms of plant disease prevention and control, of the South African Agricultural industry. Field crops (barley, canola, corn, lupin, soybean, sunflower and wheat), vegetables (potato, tomato and leafy vegetables), rooibos (red bush – a medicinal crop) and fruit trees (apple and grape vines) were the main focus of research.

At this institute he was conducting research as a team member and/or project leader of long term projects. The projects include: etiology of apple replant disease; fissure scab of potato; identification and management strategies to control soilborne diseases of soybean; evaluate the resistance/tolerance of wheat, barley and oat cultivars against *F. pseudograminearum* causal agent of Fusarium crown rot of wheat; investigating sunflower seedling establishment problem; develop a disease management strategy for organic rooibos seedlings in nurseries and older rooibos plants in plantations with emphasis on improvement of the soil environment and enhancement of antagonists in soil. All the projects were crafted to develop management strategies against the soilborne diseases targeted.



In Memoriam

Dr. William R. Jarvis



Dr. William R. Jarvis, long time CPS member, passed away in his 90th year on March 6, 2018.

CPS members will be sad to learn that **Dr. William R. Jarvis** of Amherstburg, ON died on March 6, 2018 in his 90th year. Bill was a vegetable pathologist at AAFC Harrow Research Centre from 1974 to 1994 and a longtime member of CPS. He was a winner of the Bailey Award from CPS in 1985 for his literary contributions to Plant Pathology in Canada/Pathologie végétale au Canada 1979-2008. He wrote many submissions for "Diseases and Pests of Vegetable Crops in Canada" published by CPS in 1994. His book "Managing Diseases of Greenhouse Crops", published by APS Press in 1992, is a standard reference for plant pathologists, students, growers and extension specialists alike. Bill was highly respected locally, nationally and internationally for his knowledge of diseases of field and greenhouse vegetables and for his expertise on Botrytis gray mould and its management. The climax of his career was the registration of Sporodex, a Canadian first for the biological control of powdery mildew in greenhouse crops.



Scholarships

Call for Applications for 2018 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 \$513,000 has been awarded to 80 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 2018 ICPP (hosted by the APS) Boston, Massachusetts meeting and will be presented their awards at a luncheon attended by their research advisors, previous awardees, and members of the Foundation Committee.

The 2017 Foundation Award winners were:

Homa Askarian-Khanaman, University of Alberta

Proposal Title: Genetic structure and virulence of *Plasmodiophora brassicae* single-spore isolates and field populations from western Canada
and

Kenton Sena, University of Kentucky

Proposal Title: Tracking a tree-killer: Modeling *Phytophthora cinnamomi* distribution in eastern Kentucky.

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 2018–2019, 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, 2018 to:

Dr. Michael Stanghellini (Chair of the Selection Committee)

e-mail address: michael.stanghellini@ucr.edu

Please submit a combined file containing:

- 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),
- a one page resume (i.e., a brief education and research background, including a telephone number and e-mail address), and
- 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, 2018.



Committee Reports

Membership Committee

Membership update up to Feb 21st: There are currently 328 members enrolled, including 50 Emeritus, 178 Regular, 15 Sustaining Associates, (+15 contacts for Sustaining associate members), 54 students, 16 Technician members.

Quite a few members from 2017 have yet to renew.

Respectfully submitted:

Vikram Bisht, CPS Membership Secretary



Publications

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

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 48 (1) January 2018

In this issue:

- ISPP President's Greetings for 2018
- ISPP - Report for 2017
- Registration for ICPP2018 opens in January
- 10th Australasian Soilborne Diseases Symposium, Adelaide, South Australia
- Pictorial Atlas of Plant Diseases Diagnosed in Tasmania, Australia

- Establishing a soil borne pathogen research center in Turkey
- GM banana shows promise against deadly Fusarium wilt TR4
- Disease suppressive soils: New insights from the soil microbiome
- Plant disease illustrations by Margaret Senior
- Phytopathologists of Distinction talks
- Top five most cited articles in the Journal of Phytopathology and Forest Pathology
- Australian plant biosecurity gets a \$21M technology injection
- Joanne Chory awarded prestigious Breakthrough Prize in Life Sciences
- Acknowledgements
- Coming events

ISPP Newsletter 48 (2) February 2018

In this issue:

- Editor in Chief Food Security: The Science, Sociology and Economics of Food Production and Access to Food
- Registration for ICPP2018 Boston is now open

- Global Crop Loss Conference, Paris, 16-18 October 2018: Synthesis and Summary
 - 6th International Oomycetes Workshop: Phytophthora, Pythium, Downy Mildews and related genera, Boston USA
 - Symposium 'One Health - Microbial Cycling in Food Webs'
 - World-first wheat stem rust breakthrough
 - Summary on 15th Congress of the Mediterranean Phytopathological Union, Córdoba, Spain
 - Sustaining global agriculture through rapid detection and deployment of genetic resistance to deadly crop diseases
 - HRH The Prince of Wales: Why we must save our trees
 - Hunting plant pathogens with youths in South Africa
 - Myrtle rust threatens Australian forests
 - "Wild and Tamed Phytobiomes" Symposium, Penn State US, 19-22 June 2018
 - Open Plant Pathology – A community to promote open science
 - Estimate app - A tool to assist the disease severity assessments
 - Acknowledgements
 - Coming events
 - Editor in Chief Food Security: Expressions of interest will close on 31 March
 - ICPP 2018 Boston USA: Housing open and scientific program
 - Exhibits at ICPP2018 Boston USA
 - New board of the Mediterranean Phytopathological Union
 - UK project mapping global Phytophthora and a short questionnaire on the role of tourism
 - Report on the 5th International Workshop for Capacity Building in Nematology, Karachi, Pakistan
 - Film "Food Evolution" - Genetically modified food for thought
 - Genomics: The evolution of citrus fruits
 - Celebrate Chinese New Year of the Dog with Springer
 - CONNECTED network begins with UK Launch Conference
 - Viruses prefer agricultural areas to natural areas
 - A Century of Plant Virology in India – new book
 - Managing grapevine trunk diseases: Current strategies and future prospects
 - How manipulating the plant microbiome could improve agriculture
 - Molecular weapons of the plant microbiome
 - How fungi make nutrients available to the world
 - Acknowledgements
 - Coming events
- ISPP Newsletter 48 (3) March 2018**
- In this issue:
- Call for nominations for ISPP Fellows



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.

Up front / Avant-propos	130
2017 ESC Award Recipients / Récipiendaires des prix SEC	
Norman Criddle Award / Prix Norman Criddle : Todd Lawton	133
Bert and John Carr Award / Le prix Bert et John Carr : Ana Dal Molin	135
Memories of JAM 2017 / Souvenirs de la RAC 2017	137
STEP Corner / Le coin de la relève	143
Student scholarships and awards / Prix et bourses étudiants	144
Graduate student showcase / Vitrine aux étudiants gradués	145
2017 ESC Student Award Winners / Gagnants des prix étudiants SEC 2017	149
Special feature / Article spécial	
The BioBlitz Canada 150 Signature Project – a key component of Canada 150 Celebrations (Cory S. Sheffield, Annie Belair and Daralyn J. Sheffield)	153
In memory / En souvenir de : Terry Wheeler (Julia Mlynarek, Stephanie Boucher and Doug Currie)	157
Book review / Critique de livre	
The Observation Hive Handbook: Studying Honey Bees at Home. By F. Linton (C. Gillott)	160
Books available for review / Livres disponibles pour critique	162
Society business / Affaires de la Société	
Highlights from the Board of Directors meeting in Winnipeg	163
Minutes of the 67th Annual General Meeting, Fairmont Winnipeg Hotel, Winnipeg, Manitoba, 24 October 2017	165
Call for Nominees: ESC Achievement Awards / Appel à candidature: Prix d'excellence de la SEC171 ESC Annual Photo Contest Winners	174
Executive Meeting – Call for Agenda Items / Réunion du conseil exécutif – Points à l'ordre du jour	175

Announcement / Annonce

Special Issue of TCE published, celebrating 40 years of the Biological Survey of Canada Un numéro spécial du TCE est publié, célébrant les 40 ans de la Commission biologique du Canada 175

Content of newsletters published by / Contenu des bulletins publiés par

The Canadian Weed Science Society / la Société canadienne de malherbologie 176

The Canadian Phytopathological Society / la Société canadienne de phytopathologie 177

Meeting Announcements / Réunions futures 178

Officers of affiliated societies / Dirigeants des sociétés associées 180

The last word / Le dernier mot 181

Governing board / Conseil d'administration inside back cover



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Submission Deadline for the June 2018 Issue of CPS-SCP News

PLEASE NOTE: The submission deadline for the June 2018 issue of CPS - SCP News is May 25, 2018. 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.

