

# CPS • SCP *News*



CANADIAN PHYTOPATHOLOGICAL SOCIETY • SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE

VOL. 62, NO. 2

<http://phytopath.ca>

June 2018

## President's Message



Denis Gaudet  
CPS-SCP President/président

This will be my final message to you as President of CPS. This also serves as the President's Annual Report to the Membership. It has been quite a ride and I've enjoyed it immensely! The majority of the President's responsibilities relate to responding to routine queries, taking the lead on the bimonthly Board of Directors (BOD) teleconferences, and taking action on the decisions made by the BOD. These tasks have been greatly facilitated by the active participation of the BOD members in all matters relating to the CPS and I would like to thank them for their contributions and the positive working environment within the BOD. The President's Chair will be filled in

## Inside this issue:

<b>President's Message</b>	24
<b>Message de le président</b>	28
<b>Announcements</b>	31
CPS Publishing Assistance	31
International Clubroot Workshop	32
Atlantic Regional Meeting	32
<b>Committee Reports</b>	33
<b>Grad Students' Corner</b>	39
<b>Scholarships</b>	40
University of Guelph's Plant Agriculture PhD Initiative	40
<b>Publications</b>	42
ISPP	42
Entomological Society of Canada	44
<b>Contact the Editors</b>	45

the coming year by **Dilantha Fernando** who will be a great helmsperson. **Barry Saville** moves into the position of President-Elect and David Joly assumes the Senior Director's position. **Ken Conn**, **Vikram Bisht** and **Tom Fetch** remain as Treasurer, Membership Secretary and Secretary of the Society, respectively, to anchor the BOD. I would like to extend my heartfelt thanks to our two departing BOD members, **Odile Carisse** as Past President and **Maria Antonio Henriquez** as Senior Director for

their exceptional service to the Society. Their work on the BOD has been invaluable and greatly appreciated. The Nominating Committee will be submitting nominations for Vice-President and Junior Director and I look forward to welcoming them to the BOD in the upcoming year.

The most important activity of the BOD every year is to oversee the CPS Annual

Meeting which will be held jointly with the Quebec Society of Plant Protection at the Hotel Delta Quebec, in Quebec City during June, 17-20, 2018. In addition to her role as Past-President, **Odile Carisse** is also working with **Mamadou Fall** (Program Chair) with the QSPP on the Local Organizing Committee in planning this year's meeting. The LOC has prepared a program that will be of interest to all CPS and QSPP members. The theme of this year's meeting is 'The Future of Pesticides and the 'omics' era: will plant pathogens have the last word?' and will feature two symposia: 1) Bridging plant disease management and 'Omics' technologies; and, 2) The future of pesticides in globally and locally changing agricultural environments. Additionally, a special session on Soybean Diseases will be led by **Richard Belanger**. The meetings will be preceded by 2 workshops: 1) Pathogen Identification: Accurate Identification of Plant Pathogens Using High Throughput Sequencing (HTS) Data by **Wen Chen** and **Manuel Zahariiev**; and, 2) Scientific Communication led by Olivia Wilkins. The CPS will also host the 3<sup>rd</sup> annual Student

***"The CPS accomplishes so much through its volunteers. I have been honoured to work with so many of you during my tenure on the BOD."***

Videos at the Quebec meetings organized by graduate students **Sara Stricker** (UofGuelph) and **Gurcharn Brar** (U. Sask). An award for the best video will be made at the Awards Presentation at the Banquet. I am sure the videos will be as interesting and entertaining as in previous years. The LOC

is also offering a tour of the Ile d'Orléans and all of this will be held in the stunning and historic Quebec City. I

congratulate the LOC for the great program set forth and look forward to very interesting, educational and thought-provoking meetings.

During the past year, the BOD has developed several major initiatives to improve how we communicate internally and with the rest of the Society. Firstly, we have empowered key communication 'gatekeepers' in CPS that include the CPS News Editor, the Editor in Chief of CJPP, the National Coordinator of CPDS, and a representative of the CPS BOD, to communicate new 'hot topics' directly to membership via Twitter and Facebook. So, if one of these is your favorite way of receiving information, please sign up for these through the appropriate links on the CPS home page (<https://phytopath.ca/>). The Webmaster has also setup a secure, password protected page for the dissemination of BOD business and correspondence in the 'draft' stage prior to being made available to the membership. This will make it easier for the BOD to communicate and will solve the age-old problem of archiving documents of historical

import to the Society for future generations of Canadian plant pathologists. All documents including BOD discussions, relevant correspondence, motions passed by vote, agendas, minutes, society photos etc., will be posted on this site, and hence, be archived for posterity. Any CPS member in good standing will be able to approach the BOD and request any information. Previously, collections were deposited with Archives Canada and individual contracts had to be developed for each transfer of material. This approach could be used for CPS Regional Societies and Groups for storage and archiving of important documents (programs for annual meeting, agenda's minutes, photos, etc.) on their individual pages on the CPS website, for posterity and convenience. Finally, the BOD has set up a Mentorship Program which fulfills a goal in the 4<sup>th</sup> Strategic Plan of the CPS to provide a professional interaction between established plant pathologists and younger CPS members with the aim of helping young pathologists become established and integrated in the Canadian scientific community. The Mentorship Program would also provide a means for senior pathologists to stay involved with science and the Society. I took the step of becoming the first mentor to sign onto the webpage. I encourage all members of the Society to become involved! This is a tangible way for CPS members to 'pay it forward' to new pathologists for all the marvelous opportunities we enjoy by living and working in Canada.

The CPS website continues to be the focal point of CPS Communications with the membership and the public at large. On behalf of the CPS BOD, I wish to thank **Michael Holtz**, the CPS Webmaster, for

making many of the BOD initiatives a reality. Michael has also worked closely with the LOC for Quebec City meetings in setting up the on-line registration system and posting all new info on the website. A tremendous job, Michael!

Some of the other activities the BOD has pursued this year include developing a Memorandum of Understanding with the American Phytopathological Society which serves to put on paper, themes where our two Societies can better interact for the common benefit of both Societies and their members. After meetings with representatives from both Societies, we proposed four areas of common interest: 1) Sharing information regarding scientific policy that are common to both countries; 2) Promoting exchanges and interactions between our students; 3) Promoting exchanges and interactions between our regular members; and, 4) Promoting joint meetings between the CPS and APS. The CPS intends to sign the MOU with the APS at a signing ceremony at the ICPP-APS meeting in Boston from July 29-August 3, 2018, with **Dilantha Fernando** representing the CPS BOD.

Our journals and publications remain a key pillar for our Society and their continued success remains a top priority for the BOD. Consequently, we are constantly looking for ways to promote and increase the impact of our publications. As many of you know, the Canadian Journal of Plant Pathology has recently attained an Impact Factor approaching 1.5 which is excellent. This is a true reflection of timely, high quality reviews and the diligent work for the final assembly of the 4 Volumes that are published each year by Editor-in-Chief **Zamir Punja**, his editorial team, reviewers and publishers Taylor & Francis (T&F). The BOD of CPS wishes to thank all of those

involved for the tremendous work they do on behalf of CJPP. The success achieved by CJPP has prompted the CPS BOD to explore an arrangement with T&F to publish Canadian Plant Disease Survey (CPDS) as an annual special edition of CJPP. This would increase the national and international visibility of CPDS journal and its articles and authors, as well as increase the recognition and impact of CJPP and our Society. We can achieve open access to all CPDS articles at a minimal cost to the Society. The BOD is also pursuing a new edition of 'Diseases of Field Crops in Canada' that is being led by **Michael Harding** and **Syama Chatterton**. Publications such as this are an important part of the Society's global outreach to the agricultural community and general public. Do you have an idea for a project (i.e. book, monograph, video) relating to any aspect of plant pathology in Canada? The CPS may be interested in supporting your project. Please contact CPS Membership Secretary **Vikram Bisht** ([Vikram.Bisht@gov.mb.ca](mailto:Vikram.Bisht@gov.mb.ca)) with your ideas!

Presently, CPS maintains an extremely favourable financial position and CPS Treasurer **Ken Conn** has done an excellent job in overseeing CPS finances for the past several years. I encourage all members to read his annual report to be presented at this year's AGOM in Quebec City and subsequently published in the September

2018, issue of the CPS News. Our positive bank balance has enabled CPS to increase the amounts for the Student Awards, including travel awards, and for support of CPS Regional Societies and Groups to hold their Regional Meetings.

I was proud to represent the CPS at several of our Regional Meetings last fall. In addition to the excellent quality of the scientific programs, I appreciated the warm welcome and hospitality from everyone at the meetings. I learned these meetings are an important means for graduate students, technicians, industry reps, and members to be involved in the CPS.

The CPS accomplishes so much through its volunteers. I have been honoured to work with so many of you during my tenure on the BOD. On behalf of the BOD and the entire Society, I wish to sincerely thank all members that volunteer tirelessly for the benefit of us all. Finally, I wish to thank the CPS for the privilege of serving as your President. It was an invaluable experience, one that I will always remember. I look forward to seeing all of you in Quebec in June.

Respectfully submitted,

Denis Gaudet, President





## Message de le président

Ce message sera mon dernier en tant que président de la Société canadienne de phytopathologie (SCP), et il constitue à la fois mon rapport annuel qui s'adresse aux

membres. La présidence de la SCP a été un défi, mais un défi qui m'a énormément plu! La majorité des

responsabilités du président

consiste à répondre aux questions courantes, à mener les téléconférences bimensuelles du conseil d'administration (CA) et à agir sur les décisions prises par le CA. Ces tâches ont été grandement facilitées par la participation active des membres du CA en tout ce qui concerne la SCP, et je voudrais les remercier pour leur contribution et l'environnement de travail positif qui a été établi au sein du CA. Le poste de président sera pourvu par **Dilantha Fernando** qui, j'en suis convaincu, sera un chef efficace. **Barry Saville** devient président élu et **David Joly** assumera le poste de directeur principal. **Ken Conn**, **Vikram Bisht** et **Tom Fetch** demeurent respectivement trésorier, secrétaire aux adhésions et secrétaire de la Société. Je voudrais remercier sincèrement, pour les services exceptionnels rendus à la Société, les deux membres du CA qui nous quittent : **Odile Carisse**, présidente sortante, et **Maria Antonia Henriquez**, directrice principale. Leur travail au CA a été des plus précieux et grandement apprécié. Le comité des candidatures soumettra les candidatures pour les postes de vice-président et de directeur adjoint; j'ai hâte de les accueillir au CA au cours de l'exercice à venir.

Chaque année, l'activité la plus importante pour le CA est la supervision de la réunion annuelle de la SCP qui se tiendra, cette année, conjointement avec la Société de

protection des plantes du Québec (SPPQ), à l'hôtel Delta Québec, du 17 au 20 juin 2018. En plus de son rôle en tant que présidente

sortante, **Odile Carisse** collabore avec **Mamadou Fall** (président du programme), de concert avec la SPPQ, au comité local organisateur à la planification de la réunion de cette année. Le comité organisateur a préparé un programme qui intéressera tous les membres de la SCP et de la SPPQ. La réunion de cette année se déroulera sous le thème « L'avenir des pesticides et l'ère des "omiques" : est-ce que les agents pathogènes auront le dernier mot? » et comportera deux symposiums : 1) Combler le fossé entre la gestion des maladies et les technologies « omiques »; 2) L'avenir des pesticides dans des environnements agricoles en changement, localement et mondialement. De plus, une séance spéciale sur les maladies du soya sera dirigée par **Richard Bélanger**. Les réunions seront précédées de deux ateliers : 1) L'identification des agents pathogènes : identification précise des agents phytopathogènes en utilisant les données du séquençage à haut débit (SHD), présenté par **Wen Chen** et **Manuel Zahariev**; et 2) La communication scientifique, présenté par **Olivia Wilkins**. La SCP accueillera également le 3<sup>e</sup> Concours annuel de vidéos produites par des étudiants, organisé par les étudiants

***“La SCP accomplit énormément de choses grâce à l’engagement de ses bénévoles. J’ai été très honoré de travailler avec plusieurs d’entre vous durant mon mandat au CA.”***

diplômés **Sara Stricker** (Université de Guelph) et **Gurcharn Brar** (Université de la Saskatchewan). Lors du banquet, dans le cadre de la remise des prix, un prix sera décerné pour la meilleure vidéo. Je suis convaincu que les vidéos de cette année seront aussi intéressantes et divertissantes que celles de l'année dernière. Le comité organisateur offre également un tour de l'île d'Orléans, et le tout se tiendra dans la superbe ville historique de Québec. Je félicite le comité organisateur pour le programme fascinant qu'il a préparé et je m'attends à assister à des rencontres intéressantes, éducatives et stimulantes.

Durant la dernière année, le CA a mis en place plusieurs initiatives majeures pour améliorer nos communications internes ainsi qu'avec les membres de la Société. D'abord, nous avons autorisé les principaux responsables des communications, comme l'éditrice du *CPS/SCP News*, le rédacteur en chef de la *Revue canadienne de phytopathologie* (RCP), le coordonnateur de l'*Inventaire des maladies des plantes au Canada* (IMPC) et un représentant du CA, à transmettre de l'information sur les sujets brûlants de l'heure directement aux membres par l'entremise de Twitter et de Facebook. Alors, si vous préconisez une de ces méthodes de transmission de l'information, s'il vous plaît, inscrivez-vous en cliquant sur le lien approprié de la page d'accueil de la SCP (<https://phytopath.ca/>). Le webmestre a aussi configuré une page sécurisée par un mot de passe, dédiée à la diffusion des affaires et de la correspondance du CA à l'étape de l'ébauche avant qu'elle soit accessible aux membres. Cela facilitera la tâche du CA quant aux communications et résoudra le sempiternel problème relatif à l'archivage de documents d'importance historique pour la Société à l'égard des générations futures de phytopathologistes canadiens. Tous les

documents, y compris les discussions du CA, la correspondance pertinente, les motions adoptées par vote, les ordres du jour, les comptes rendus, les photographies de la Société, etc., seront affichés sur ce site et, par conséquent, seront archivés pour la postérité. Tout membre en règle de la Société pourra obtenir la permission du CA d'accéder à quelque information que ce soit. Auparavant, les collections étaient déposées à Archives Canada et des contrats devaient être conclus pour chaque transfert de matériel. Cette nouvelle approche pourrait être utilisée pour entreposer et archiver les documents importants des sociétés régionales et des groupes de la SCP (programmes des réunions annuelles, comptes rendus des ordres du jour, photographies, etc.) sur leur page personnelle du site de la SCP, et ce, pour des raisons pratiques et la postérité. Finalement, le CA a mis sur pied un programme de mentorat, ce qui respecte un des objectifs du 4<sup>e</sup> Plan stratégique de la SCP qui était de favoriser l'interaction professionnelle entre les phytopathologistes établis et les jeunes membres de la SCP, et ce, dans le but d'aider ces derniers à s'établir et à intégrer la communauté scientifique canadienne. Le programme de mentorat permettrait également aux phytopathologistes âgés de poursuivre leur engagement envers la science et la Société. J'ai pris l'initiative d'être le premier à apposer mon nom sur la page Web à titre de mentor. J'encourage tous les membres à s'impliquer! C'est une façon tangible pour les membres de la SCP de donner au suivant à l'égard des nouveaux phytopathologistes en reconnaissance de toutes les merveilleuses possibilités dont nous pouvons profiter en vivant et en travaillant au Canada.

Le site Web de la SCP continue d'être le point central des communications avec les

membres et le public en général. Au nom du CA, je tiens à remercier **Michael Holtz**, le webmestre de la Société, d'avoir concrétisé plusieurs des initiatives du CA. Michael a également travaillé en étroite collaboration avec le comité organisateur de la réunion de Québec en créant le système d'inscription en ligne et en affichant les nouveaux renseignements sur le site. Excellent boulot, Michael!

Quelques-unes des autres activités poursuivies cette année par le CA incluent l'élaboration d'un protocole d'entente avec la Société américaine de phytopathologie (SAP) qui sert à mettre sur papier les thèmes qui permettent à nos sociétés respectives de mieux interagir au profit des deux organisations et de leurs membres. À la suite de rencontres entre les représentants des deux sociétés, nous avons proposé quatre domaines d'intérêt commun : 1) le partage d'information relative à la politique scientifique commune aux deux pays; 2) la promotion des échanges et des interactions entre nos étudiants; 3) la promotion des échanges et des interactions entre nos membres réguliers; et 4) la promotion de réunions conjointes de la SCP et de la SAP. La SCP a l'intention de signer le protocole avec la SAP lors d'une cérémonie dans le cadre de la réunion du Congrès international de protection des plantes (CIPP)/SAP qui se tiendra à Boston du 29 juillet au 3 août 2018. **Dilantha Fernando** représentera le CA de la SCP.

Nos revues et nos publications sont toujours un pilier essentiel de notre Société et leurs succès continus demeurent une priorité absolue pour le CA. En conséquence, nous sommes toujours à l'affut de façons de promouvoir et d'accroître la portée de nos publications. Comme plusieurs de vous le savez, la *Revue canadienne de*

*phytopathologie* a récemment atteint un facteur d'impact de 1,5, ce qui est excellent. C'est le reflet fidèle de revues opportunes de grande qualité et du travail assidu du rédacteur en chef, **Zamir Punja**, de l'équipe de rédaction, des réviseurs et de Taylor & Francis (T&F), l'éditeur, que nécessite la publication annuelle des quatre livres. Le CA souhaite remercier tous ceux impliqués dans le travail remarquable qu'ils accomplissent pour le compte de la RCP. Le succès remporté par la RCP a incité le CA à explorer une entente avec T&F en vue de publier l'Enquête phytosanitaire nationale à titre de numéro spécial de la RCP. Cela accroîtrait, tant à l'échelle nationale qu'internationale, la visibilité de l'*Inventaire des maladies des plantes au Canada*, des articles et de ses auteurs, de même que la reconnaissance et la portée de la RCP ainsi que de notre Société. Nous pouvons assurer, à un coût minime pour la Société, le libre accès à tous les articles de l'IMPC. Le CA poursuit également la nouvelle édition de *Maladies des grandes cultures au Canada*, dirigée par **Michael Harding** et **Syama Chatterton**. De telles publications constituent une part importante de l'influence qu'a la Société sur la communauté agricole et sur le public en général. Avez-vous une idée de projet (c.-à-d. un livre, une monographie, une vidéo) relatif à un quelconque aspect de la phytopathologie au Canada? La SCP pourrait vous soutenir. S'il vous plaît, contacter **Vikram Bisht** (Vikram.Bisht@gov.mb.ca), le secrétaire aux adhésions, pour lui soumettre vos idées!

Actuellement, la situation financière de la SCP est excellente et **Ken Conn**, notre trésorier, a fait, depuis les dernières années, un travail formidable pour ce qui est de surveiller les finances de la Société. J'encourage tous les membres à lire son

rapport annuel qui sera présenté à l'assemblée annuelle des membres à Québec et qui sera publié subséquemment dans le numéro de septembre du *CPS/SCP News*. Notre bilan bancaire positif a permis à la SCP d'accroître les montants des prix pour étudiants, y compris celui de la bourse de voyage, ainsi que les montants réservés au soutien des sociétés et des groupes régionaux de la SCP pour la tenue de leurs réunions régionales.

J'ai été fier de représenter la SCP à plusieurs de nos réunions régionales l'automne dernier. En plus de l'excellente qualité des programmes scientifiques, j'ai apprécié l'accueil chaleureux et l'hospitalité que chacun m'a témoignés lors de ces réunions. J'ai découvert à quel point ces réunions sont importantes pour inciter les étudiants diplômés, les techniciens, les

représentants de l'industrie et les membres à s'impliquer dans la SCP.

La SCP accomplit énormément de choses grâce à l'engagement de ses bénévoles. J'ai été très honoré de travailler avec plusieurs d'entre vous durant mon mandat au CA. Au nom du CA et de la Société en entier, je tiens à remercier sincèrement tous les membres qui donnent leur temps et leur énergie pour que nous tous en bénéficions. Finalement, je veux remercier la SCP de m'avoir donné le privilège de vous servir en tant que président. Cela a été une expérience des plus précieuses dont je me souviendrai toujours. J'espère vous voir tous à Québec en juin.

Respectueusement,

Denis Gaudet, président



## Announcements

### 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](mailto:vikram.bisht@gov.mb.ca)).



## **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](mailto: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



## **International Clubroot Workshop**

**Edmonton, Alberta, August 7-9, 2018**  
[www.regonline.com/2018ICW](http://www.regonline.com/2018ICW)

An International Clubroot Workshop will be held in August 7-9 in Edmonton Alberta at Sutton Place Hotel. The program will feature invited presentations by clubroot experts from Canada, China, Japan, France, Germany and Poland, and contributed papers from around the world. The final day of the program will focus on practical approaches to clubroot management, with presentations, a panel discussion and question period, and field demonstrations. This portion of the program could be of particular interest not only to extension, agronomy and crop management specialists, but also to producers looking for solutions for managing clubroot. The deadline for abstract submission is June 1.



## Committee Reports

### Historical Resources Committee Report

The Committee has struggled to find a way to archive and hence keep permanent copies of documents and records that could be of importance to historians and future generations of Canadian plant pathologists. Examples of such documents and records could range from relevant BOD correspondence, important MOU or agreements with other societies, contracts with publishers, past issues of CPS News, motions passed by vote, agendas, minutes, society photos, and old manuscript,s to personal records donated by a member. In the past, collections were deposited with Archives Canada and individual contracts had to be developed for each transfer of material. This was a difficult and expensive process with a CPS rep physically boxing and mailing or delivering files to Ottawa. In recent years, Archives Canada has been mostly accepting electronic documents.

A solution for the archiving problem would be to set up a page on the CPS website whereby all relevant documents are stored. These documents could be electronically transferred periodically to Archives Canada. In any case, a backup of all these files would be periodically made by the webmaster thereby ensuring permanence. These files could be easily accessed by the BOD for routine reference. Any CPS member in good standing will be able to approach the BOD and request any information.

The CPS Board has also setup a secure, password-protected page for the dissemination of Board business and correspondence in the 'draft' stage prior to being made available to the membership. This will make it easier for the Board of Directors to communicate. All documents, including Board discussions, will be posted on this site, and hence, be permanently archived for posterity. This approach could also be used for CPS Regional Societies and Groups for storage and archiving of important documents (programs for annual meetings, agendas, minutes, and photos etc.) on their individual pages on the CPS website, for posterity and convenience for future generations of Canadian plant pathologists. The webmaster of the CPS Website is currently in the process of developing the page for easy uploading and organization. The Chairperson of this committee would only have to log in to the page periodically to ensure documents are being uploaded.

Respectfully submitted,  
Denis Gaudet, Chairperson  
Historical Resources Committee



## Canadian Plant Disease Survey Annual Report

The 2018 edition of the Canadian Plant Disease Survey (CPDS Volume 98) was posted on the CPS website on April 15, 2018. We received 57 articles and diagnostic laboratory reports from all crop sectors across the country. Many thanks to our Section Editors, who generously give their time and expertise to make the survey accurate and representative, and to Deidre Wasyliv, our hard-working compiler.

In the coming year, in consultation with the CPS Board and Taylor and Francis, Volume 99 of the CPDS will be published as an annual “special edition” of the Canadian Journal of Plant Pathology (CJPP). In this era of climate change, the annual Plant Disease Survey is increasingly valuable as an indicator of the changing plant pathogen profile in Canada and as a historical record. The co-publication is expected to increase the accessibility of the survey and expand the readership of both the CJPP and the CPDS.

The CPDS will retain its own identity and will continue to be free and open-access to all but will change its reference citation and other formatting to match the CJPP. Submission deadlines will remain the same as in the past. New instructions to authors will be published in the CPS NEWS in September.

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



## CPS News Committee Report

Coreen Franke and Linda Jewell, formerly the Editor and Associate Editor, respectfully, of the CPS News, swapped roles in July 2017. Linda Jewell assumed the role of Editor for the September 2017 edition of the CPS News. At the same time, the software used to publish each edition of the CPS News was upgraded to QuarkXPress 2017, which has streamlined the publishing process. The News has continued to be published on a quarterly basis. Article submissions and ideas for new features continue to be welcomed by the editors. Current and past editions of the CPS News are published on the CPS website.

Respectfully submitted,  
Linda Jewell, CPS News Editor



## Website Committee Report

In 2017, as in previous years, the main use of the website for CPS members has continued to be membership renewals and registrations for the national CPS meeting.

New features have continued to be added to the site. A section supporting the new CPS mentorship program has been created. It facilitates matching CPS members who want to serve as mentors for junior members. Anyone who wants to act as a mentor or find a mentor may submit their profile online. A section on the front page of the website has also been added to allow CPS announcements to be featured prominently.

A number of changes have been made to the website behind the scenes to improve its reliability and security. The content management system of the website has been updated and the entire website has been transferred to a new server. An automated backup system has been installed on the website and a redundant backup system for user-provided information, such as meeting abstracts, has been set up.

The CPS YouTube channel has continued to grow, populated by videos from the CPS Student Video Competition. It now includes ten videos, which have received a total of 623 views in 2017.

A number of features on the website still need to be improved in the coming year, such as allowing for the easier posting of news features and the further integration with social media sites.

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

Kind Regards,  
Michael



## **Future Meetings Committee Report**

The 2018 CPS Annual Meeting will be held in collaboration with the Quebec Society of Plant protection from June 17-20, 2018, at the Delta Hotel in Quebec City. The meeting will be hosted by Odile Carisse and Mamadou Fall, and the theme is “The future of pesticides and the Omics era: Will plant pathogens have the last word?”

Future CPS Annual Meetings:

2019: Guelph, Ontario with Plant Canada (Barry Saville, CPS chair)

2020: Okanagan Valley region, BC (José Ramón Úrbez Torres, CPS chair)

Other members of the 2020 LAC are (currently): Jesse MacDonald, Guus Bakkeren, Daniel O’Gorman, Tom Forge, Janice Elmhirst, and Vippen Joshi (as BC Regional Rep). José will be President of the APS Pacific Division this coming period (June 2018-June 2019) and will consult about a possible joint meeting with them in 2020, as happened in 2010.

I thank the BC Region for this offer, and I am very supportive of holding the meeting in Kelowna in 2020.

Submitted by Stephen Strelkov, Chair  
Future Meetings Committee



## **CPS Microbial Genetics and Culture Collection Committee**

The CPS Microbial Genetics and Culture Collection committee was not too active this year. Communication was initiated with culture collection people at AAFC (Michele Marcotte) and NRCan (Josyanne Lamarche) to get more information on the genetic resources they have. Information also has been collected under the Federal Laboratories Integrated Governance (FLIG) initiative, but the MGCC needs to get this database. Some discussions also were initiated with people in the private sector and are ongoing. Since the publication of a message requesting input and suggestions/comments for the committee in the June 2017 CPS-SCP News 61 (2) – 40, there have been no emails sent to Dr. Bilodeau.





## Science Policy Committee Report

The Canadian Phytopathological Society (CPS) is a rich community of scientists who provide reliable and valuable information to spread the discipline of plant pathology nationally and worldwide. Our active research and training on the principles of science based hypothesis testing helps members, particularly the graduate, undergraduate and post-doctoral fellows to contribute to the advancement of science under the guidance of principle scientists who are employed in academic institutes and governmental research institutes in Canada and abroad.

As a national scientific organization with an international presence, our broader goals are to reach to a wider community through alliances with other societies with similar scientific interests. As a first step we are in discussion with the American Phytopathological Society to develop a strategic partnership that is mutually beneficial to both societies and its members. This will allow scientific exchanges and mutually beneficial financial benefits such as reduced page charges for publication in their respective scientific journals for their members (CPS members in APS journals and APS members benefitting in reduced rates to publish in CPS journals). Another benefit could be for student members to receive discounted membership fees. These joint alliances hopefully strengthen collaborations, and enhance opportunity for scientific interactions and growth. In addition, key policy issues that are of interest to both societies can be undertaken together. The anticipation of the CPS Board is that we will reach an agreement between the two societies for a Memorandum of Understanding (MOU) to be signed between the two societies at the International Congress of Plant Pathology in Boston this July.

Respectfully submitted by,  
Dilantha Fernando



## Education Committee Report

In March 2018, the CPS Education committee announced that nominations for the CPS Education Award was open until May 15th to recognize outstanding plant pathology educational resources. To better publicize the CPS Education Award, some modifications were made to the page on the CPS website that relates to this award. The committee is also exploring the possibility of establishing an Outstanding Educator Award.

## Information Products Marketing Committee Report

The CPS Board authorized a small reprinting of *Diseases of Field Crops in Canada* early in 2017 to meet on-going demand, and 2,100 copies of *Diseases of Field Crops in Canada* were reprinted in June 2017. There are more than 1300 copies in stock, but the number has dropped more rapidly than expected. Initiation of a revision to DFCC is urgently required. In the meantime, updates are being prepared on three diseases of canola (blackleg, clubroot and verticillium wilt) and one of pea and lentil (root rot), which had been identified as being particularly out-of-date. These updates will be sent out with each copy of the remaining books once the addendum has been printed. Anyone interested in contributing to the revision of DFCC should contact Syama Chatterton or Mike Harding, who are taking the lead in getting this project started.

Also, the Board authorized Bayer Crop Science to use a large number of the images from DFCC in some of their extension publications. These images were transferred to Bayer in late March, so should be making an appearance in their publications this summer.

Respectfully submitted,

Bruce Gossen (Chair)



## Grad Students' Corner

### FEATURED STUDENT:

**Ana Priscilla Montenegro Alonso**  
(University of British Columbia)

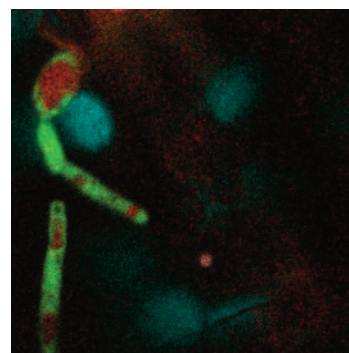


Ana checking her barley plants

My path into plant pathology started as an undergraduate at the University of Panama, Republic of Panama. There, I did my BSc Agronomy thesis on the effectiveness of several biological agents against the web blight disease (*Thanatephorus cucumeris*) of red kidney beans. Once I culminated my bachelor degree, I was awarded a SENACYT-DAAD scholarship which allowed me the possibility to obtain a Master degree in Germany at Leibniz Universität Hannover. There I had the opportunity to work on molecular markers to map resistance against black spot disease (*Diplocarpon rosae*) on roses via association mapping under the supervision of Prof. Dr. Thomas Debener. This amazing experience granted me better understanding of the molecular plant-pathogen interactions field and paved my way for my PhD degree in Canada.

Currently, I am a PhD candidate at the University of British Columbia in Vancouver; and working under the supervision of Dr.

Guus Bakkeren (research scientist at Agriculture and Agri-Food Canada) in the Bakkeren lab at Summerland Research and Development Centre (AAFC, Canada). My main focus in this investigation is functionally characterizing the avirulence effector *UhAvr1* of the barley smut pathogen *Ustilago hordei*. Effectors are small proteins secreted by pathogens in order to aid infection either by suppressing plant immunity or creating a favorable environment for its propagation. Genomic analysis had shown that this smut pathogen possesses around 333 predicted candidate effectors which are hypothesized to promote infection of barley plants, being *UhAvr1* one of them. Specifically, I am interested in determining how this effector is being



Confocal microscopy showing *Ustilago hordei* cells constitutively expressing green fluorescent protein (green) and *UhAvr1* tagged with Mcherry fluorescence protein (red) during infection of barley plants

secreted by this pathogen, its site of localization in the host and its virulence and avirulence function during the susceptible and resistant interactions. One of the ways I accomplished this is by tagging this effector with a fluorescent protein in order to track it inside the plant cell using confocal microscopy (see picture). In addition to this, I am also applying transcriptomics and proteomics techniques with the ultimate goal of generating knowledge about this patho-

system. This line of research is so interesting that I plan to continue working on it either in an academic, public or private setting with the long term objective of generating knowledge to aid agriculture and food production globally.

At this moment, I would like to provide my gratitude to all my previous and current lab members who supported me on this journey.



## Scholarships

### University of Guelph's Plant Agriculture PhD Investment Initiative

#### **\$150,000 in PhD Funding Available**

The University of Guelph's Department of Plant Agriculture has launched a new PhD Investment Initiative worth \$150,000 (over four years) for highly-qualified domestic PhD applicants.

The department is looking for the best and brightest students to join its PhD research program. Research in the department focuses on a variety of interests in the areas of:

- biochemistry and physiology
- breeding and genomics
- production systems
- bio-products

A full list of our researchers by research area is available [here](#).

Sources of funding for this initiative can be found [here](#).

The department is committed to attracting and training the next generation of research leaders to build stronger agriculture and food sectors. Contact us to discuss how your research interests and career can be elevated by work with the department.

## **Funding Eligibility**

Please contact us if:

- You are keen to make a difference through the application of science
- You are a Canadian citizen, living in or outside of Canada OR
- You are a Permanent Resident of Canada

We can make you a competitive offer. Contact us even if you are considering another institution.

*Additional considerations and conditions:*

- Must have completed an M.Sc. degree closely aligned to the following specializations: Plant breeding and genetics; Plant biochemistry and physiology; Crop production systems; and Bioproducts
- Minimum 87% admissions average
- Must have been awarded additional funding, such as NSERC, OGS or HQP scholarships
- Up to a maximum of four years of funding available, which will be reviewed annually with satisfactory progress
- For those wishing to start in Summer 2018 please contact us as soon as possible

## **How to Apply**

Please submit a brief summary of your:

- qualifications
- past history and interest in the agri-food sector
- short CV with publications
- and any other relevant information

To the attention of:

Dr. J. Alan Sullivan

Graduate Coordinator, Department of Plant Agriculture

519-824-4120, Ext 52792

[pagrad@uoguelph.ca](mailto:pagrad@uoguelph.ca)

Further questions can be directed to:

Dr. J. Alan Sullivan

Graduate Coordinator, Department of Plant Agriculture

519-824-4120, Ext 52792

[asulliva@uoguelph.ca](mailto:asulliva@uoguelph.ca)

Tara Israel

Graduate Program Assistant, Department of Plant Agriculture

519-824-4120, Ext 56077

[pagrad@uoguelph.ca](mailto:pagrad@uoguelph.ca)





## 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](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 48 (4) April 2018**

In this issue:

- Advance registrations for ICPP2018 Boston USA closes on 12 April
- International Cereal Rusts and Powdery Mildews Conference: Oral presentation applications extended
- Reports on the 3rd International Conference on Global Food Security in Cape Town, South Africa, 4-6 December 2017
- World's first hands-free barley crop planted, grown and harvested in the UK
- Philippines hosts training on sugarcane detection and quarantine measures of pests and diseases for ASEAN member countries and China
- Closure of entire Waitakere Ranges forests due to kauri dieback
- Novel RNA viruses within plant parasitic cyst nematodes
- USDA allocates US\$70M to protect industry from pests and diseases
- Ghana to launch funding scheme to protect cocoa industry from plant disease
- Plants share defensive proteins in evolutionary pick 'n' mix
- Epimutagenesis will improve crops
- ISPP Business Manager: Call for Expressions of Interest
- Acknowledgements
- Coming events

## ISPP Newsletter 48 (5) May 2018

In this issue:

- New Editor in Chief of Food Security
- ICPP Closing Event moved to Thursday
- ICPP will be family friendly
- Call for nominations for ISPP Fellows: Closes on 31 May
- Alerts for policy makers extracted from papers published during 2017 in volume 9 of Food Security
- Seeking Plant Disease Clinic Directors for a survey
- ICPP2018 Agricultural Microbiomes Workshop, 28 July 2018, Boston, USA
- Australasian Soilborne Disease Symposium 2018 – Extension for abstract submission
- Peter Gadgil (1936- 2018)
- Global body adopts new measures against spread of plant pests
- Hybrid swarm: A threat to food security in South America
- New York teenager wins \$250K for disease model on potato late blight
- New apple disease spoils even pasteurised foods
- Phytoplasma associated with banana elephantiasis disease in Colombia
- In-field molecular diagnosis of plant pathogens: recent trends and future perspectives
- How to feed 10 billion mouths: preparing for 2050
- Plant-disease app recognised by Google
- Acknowledgements
- Coming events

## ISPP Newsletter 48 (6) June 2018

In this issue:

- Royal Society honour for Sophien Kamoun
- ICPP18 T-shirts now available for pre-order
- Vale Dr John Frederick Brown, Foundation Member and Fellow of the Australasian Plant Pathology Society
- Associations and causal relationships in the decline of *Eucalyptus marginata* in Western Australia
- State of the World's Fungi Symposium, Royal Botanic Gardens, UK, 13–14 September 2018
- Genomic models predict shorter time for banana breeding
- Springer's "Change the World, One Article at a Time"
- Indian Phytopathology and Journal of Plant Pathology now published by Springer
- Approachable science on genetically engineered crops (GMOs) recorded webinar
- Crop immunisation can root out take-all fungus in wheat
- Previously unknown rice blast resistance isolated
- Battling Bubbles: How plants protect themselves from a killer fungus
- African conference confirms growing strength of plant disease research network
- Drought will bring more crop disease in New Zealand
- Researchers move toward understanding the deadly citrus disease, huanglongbing
- Acknowledgements
- Coming events



## 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.

<b>Up front / Avant-propos</b>	1
<b>Joint Annual Meeting 2018 / Réunion annuelle conjointe 2018</b>	4
<b>STEP Corner / Le coin de la relève</b>	5
<b>People in the news / Gens qui font les manchettes</b>	6
<b>Gold Medal Address / Allocution du médaillé d'or 2017 (Gerhard Gries)</b>	7
<b>Heritage lecture / Allocution du patrimoine (Terry D. Galloway)</b>	12
<b>Special Features / Articles spéciaux</b>	
Bugs within Bugs (Angela E. Douglas)	20
Wider aspects of a career in entomology.1. Winter in Canada (Hugh V. Danks)	25
My Road to Entomology (Riley LeBlanc)	29
<b>In memory / En souvenir de</b>	
Winston Jan Anthony Volney (John Spence, David Langor and Colin Bergeron)	31
Ron Hodges (Steven Hodges)	34
<b>Books available for review / Livres disponibles pour critique</b>	35
<b>Society business / Affaires de la Société</b>	
68th Annual Meeting of Members and Board of Directors Meetings / 68e assemblée annuelle et réunions du conseil d'administration de la SEC	36
Call for nominations: Societal Director (Second Vice-President), Director at Large / Appel à candidatures : Directeur sociétal (second vice-président), conseiller	36
The Society's New Treasurer / Nouveau trésorier de la Société	37
New Editor-in-Chief / Nouveau rédacteur-en-chef, The Canadian Entomologist	37
Members' discounts / Remise pour les membres	38
Fourteenth Annual Photo Contest / quatorzième concours annuel de photographie	38

<b>Meeting Announcements / Réunions futures</b>	40
<b>Officers of affiliated societies / Dirigeants des sociétés associées</b>	42
<b>The last word / Le dernier mot</b>	43
<b>Governing board / Conseil d'administration</b>	inside back cover



## Contact the Editors

### **Linda Elizabeth Jewell, Editor**

St. John's Research and Development Centre  
Agriculture and Agri-Food Canada  
308 Brookfield Rd.  
St. John's, Newfoundland and Labrador  
A1E 0B2

Telephone: 709-793-3173; Fax 709-793-3341  
Email: [linda.jewell@agr.gc.ca](mailto:linda.jewell@agr.gc.ca)

### **Coreen Franke, Associate Editor**

Crop Production Services Canada - R&D  
201 - 407 Downey Road  
Saskatoon, Saskatchewan  
S7N 4L8

Telephone: 306-668-6633/306-229-4180 (cell)  
Fax: 306-668-5564  
Email: [coreen.franke@cpsagu.ca](mailto:coreen.franke@cpsagu.ca)

## **Submission Deadline for the September 2018 Issue of CPS-SCP News**

**PLEASE NOTE:** The submission deadline for the September 2018 issue of CPS - SCP News is August 31, 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.

