

# CPS • SCP News



CANADIAN PHYTOPATHOLOGICAL SOCIETY • SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE

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## President's Message

During this time of year dedicated volunteers across Canada organize CPS regional meetings. Our CPS Regional Representatives take the lead in organizing these meetings so we would like to thank them; Rick Peters (Maritimes), Sylvie Rioux



**Brent McCallum**  
CPS-SCP President/président

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(Quebec-QSPP), Bernard Vigier (Eastern Ontario), Ken Conn (Western Ontario), Fouad Daayf (Manitoba), Jianwei Zhao (Saskatchewan), Syama Chatterton (Alberta – PPSA), and Vippen Joshi (British Columbia). These meetings are an excellent venue to network with our colleagues, share information, and meet new members such as graduate students. They also give students the opportunity to present their research findings in front of a somewhat smaller audience than is typically present at national meetings, with a stronger connection to the local industries, agriculture and forestry.

The BC CPS regional meeting, organized by Vippen Joshi, was held in Abbotsford, BC, on October 21<sup>st</sup>, 2015, in conjunction with the Western Forum on Pest Management. I was not able to attend that

meeting, but understand that it was a very successful meeting. Fortunately, I could attend the Southwestern Ontario Regional Association of the CPS annual meeting on November 6<sup>th</sup> in London, Ontario. Thanks to our CPS Treasurer Ken Conn and our CPS Past-President Deena Errampalli for organizing this meeting. It was well attended, with some excellent key note presentations. There was a student poster session, with many high quality posters well presented by the students present. I was also able to attend the Plant Pathology Society of Alberta annual meeting November 16-18 in Lethbridge, Alberta. There was a full slate of oral and student presentations given by researchers, post-docs, technicians, producers, students and industry representatives. Although this meeting was held over three days, the agenda was packed. An excellent local arrangements committee worked hard to ensure the success of this meeting and included Syama Chatterton, Nora Foroud, Scott Erickson, Eric Amundsen, Andre Laroche, Michele Frick, Jon Reich and others. Graduate students took an active role in chairing and moderating sessions and kept the meeting moving along well. The Manitoba Regional CPS meeting was held in at the University of Manitoba in Winnipeg on December 7<sup>th</sup>. Thanks to former CPS President Fouad Daayf for organizing this meeting. The agenda was full of excellent presentations, including fourteen student presentations, and disease updates for 2015 on many of the crops in Manitoba. The Saskatchewan Regional CPS annual meeting was held on December 10<sup>th</sup> in Saskatoon. I was privileged to attend this meeting organized by Jianwei Zhao, Lone Buchwaldt and Coreen Franke. Graduate students were again well represented in the fifteen oral presentations and many poster presentations. It was good to reconnect with colleagues I have known for a long time and to meet many of our CPS members.

***“(Regional) meetings are an excellent venue to network with our colleagues, share information, and meet new members such as graduate students. They also give students the opportunity to present their research findings in front of a somewhat smaller audience than is typically present at national meetings, with a stronger connection to the local industries, agriculture and forestry.”***

The CPS Board of Directors met a couple of times over the fall (October 1<sup>st</sup> and November 12<sup>th</sup>). Among other issues, we discussed plans for the upcoming CPS Annual Meeting in Moncton, NB (June 2016) hosted by David Joly and his local organizing committee. The Board also reviewed a report from the chair of the Strategic Planning Committee, Mary Leggett, on the implementation of the 3<sup>rd</sup> strategic plan, as this committee is also busy preparing the 4<sup>th</sup> strategic plan, to go into effect after the CPS Annual Meeting in 2016. We discussed the Graduate Student Video competition to be awarded in Moncton (June 2016). This was initiated and is being led by University of Saskatchewan graduate student Mr. Gurcharn Brar. The Board set the prizes as \$250 for first place, and \$200 for second. We also raised the prize

amount for the best graduate student oral presentation and best poster presentation to the same level (\$250 for first place, and \$200 for second). The Board passed a motion, suggested by the Editor-In-Chief of the *Canadian Journal of Plant Pathology* (CJPP), Zamir Punja, for the CPS to absorb the French translation fee (of approximately \$60 per paper) for CPS members who publish in the CJPP. This will be an added benefit for your CPS membership.

Please check the CPS website for information on the CPS including updates on the 2016 Annual Meeting in Moncton, NB at <http://phytopath.ca/meetings/cps-annual-meeting/>. David Joly and his team have organized some excellent symposia and workshops. Along with the Graduate Student Video Competition, the great networking opportunities, and the hospitality the Maritimes are famous for, there are many reasons to book your trip to Moncton for the June 12-16 meeting.

The meeting will also be an opportunity to recognize our outstanding graduate students and other colleagues who have made significant contributions to the understanding of plant pathology in Canada through our CPS Awards. Make sure you send nominations for worthy recipients by the March 1<sup>st</sup>, 2016 deadline, to our CPS Award Committee chair, Ron Knox, at [ron.knox@agr.gc.ca](mailto:ron.knox@agr.gc.ca).

If you have not yet renewed your CPS membership, please take advantage of our low membership fees and renew for 2016. Many thanks to our CPS Membership Secretary Vikram Bisht for all his hard work during this time of year particularly, but also throughout the year on keeping our membership current, recruiting new members, and sending important notices to the membership. Our membership is strong and vital thanks to Vikram's efforts.



## Message du président

À cette époque de l'année, des bénévoles enthousiastes de partout au Canada organisent les réunions régionales de la Société canadienne de phytopathologie (SCP). Nos représentants régionaux prennent l'initiative d'organiser ces réunions; c'est pourquoi nous souhaiterions remercier ces derniers : Rick Peters (Maritimes), Sylvie Rioux (Québec-SPPQ), Bernard Vigier (est de l'Ontario), Ken Conn (ouest de l'Ontario), Fouad Daayf (Manitoba), Jianwei Zhao (Saskatchewan), Syama Chatterton (Alberta-SPA) et Vippen Joshi (Colombie-Britannique). Ces réunions constituent d'excellents lieux de rendez-vous pour prendre contact avec nos collègues, partager de l'information et rencontrer de nouveaux membres comme des étudiants diplômés. Elles donnent également l'occasion aux étudiants de présenter les résultats de leurs recherches à un plus petit auditoire que lors des réunions annuelles, auditoire qui entretient des liens plus étroits avec des industriels de la région ainsi qu'avec des producteurs agricoles et forestiers locaux.

La réunion régionale de la Colombie-Britannique, organisée par Vippen Joshi, s'est tenue le 21 octobre 2015, à Abbotsford, de concert avec le Western Forum on Pest Management. Je n'ai pu assister à cette réunion, mais j'ai néanmoins su qu'elle avait été des plus réussies. Heureusement, j'ai pu assister à la réunion annuelle de l'Association du sud-ouest de l'Ontario le 6 novembre, à London. Merci à notre trésorier, Ken Conn, et à notre présidente sortante, Deena Errampalli, d'avoir organisé cette réunion. On y a assisté en grand nombre et certains des discours-programme y ont été pour le moins remarquables. Il y a eu une séance de présentation d'affiches, dont certaines étaient d'une grande qualité et bien présentées par les étudiants qui les avaient réalisées. J'ai pu assister à la réunion annuelle de la Société de phytopathologie de l'Alberta du 16 au 18 novembre, à Lethbridge. Il y a eu une gamme complète de présentations orales données par des chercheurs, des postdoctorants, des techniciens, des producteurs, des étudiants et des représentants de l'industrie. Bien que cette réunion se soit déroulée sur trois jours, le programme était très chargé. Le comité organisateur, composé, entre autres, de Syama Chatterton, Nora Foroud, Scott Erickson, Eric Amundsen, André Laroche, Michèle Frick et Jon Reich, a travaillé d'arrache-pied pour assurer le succès de cette réunion. Des étudiants diplômés ont joué un rôle actif en tant que présidents et modérateurs des séances, s'assurant ainsi que la réunion progresse à un bon rythme. La réunion régionale du Manitoba s'est tenue à l'Université du Manitoba le 7 décembre, à Winnipeg. Merci à l'ancien président de la SCP, Fouad Daayf, de l'avoir organisée. Le programme comprenait d'excellentes présentations, y compris 14 données par des étudiants, et des mises à jour pour 2015 sur les maladies de plusieurs plantes cultivées au Manitoba. La réunion régionale de la Saskatchewan s'est tenue le 10 décembre, à Saskatoon. J'ai eu le privilège d'assister à cette dernière organisée par Jianwei Zhao, Lone Buchwaldt et Coreen Franke. De nouveau, les étudiants diplômés étaient bien représentés dans le cadre des 15 présentations orales et des nombreuses présentations d'affiches. Cela a été agréable de reprendre contact avec les collègues que je connais depuis longtemps et de rencontrer plusieurs de nos membres. Le conseil de direction de la SCP s'est réuni à quelques occasions à l'automne (1<sup>er</sup> octobre et 12 novembre). Parmi les sujets discutés, il a été question des plans relatifs à la prochaine réunion

annuelle qui se tiendra en juin, à Moncton, au Nouveau-Brunswick, organisée par David Joly et son comité. Le conseil a également examiné un rapport de la présidente du Comité de la planification stratégique, Mary Leggett, sur la mise en œuvre du troisième plan stratégique qui devrait entrer en vigueur après la réunion annuelle de la SCP de 2016, pendant que ce comité élabore déjà le quatrième plan stratégique. Nous avons discuté du concours de vidéos

présentées par des étudiants diplômés, dont le prix devrait être attribué à la réunion de Moncton. Cette idée a été lancée par un étudiant diplômé de l'Université de la Saskatchewan, Gurcharn Brar. Le conseil a établi le montant du premier prix à 250 \$ et celui du deuxième, à 200 \$. Nous avons également majoré de façon équivalente le montant du prix accordé à un étudiant diplômé pour la meilleure présentation orale et pour la meilleure

affiche (250 \$ pour la première place et 200 \$ pour la deuxième). Le conseil a passé une motion, suggérée par le rédacteur en chef de la *Revue canadienne de phytopathologie* (RCP), Zamir Punja, relativement à ce que la SCP absorbe les coûts de traduction en français (d'environ 60 \$ par article) pour ses membres qui publient des articles dans la RCP. Cela constituera une valeur ajoutée à votre adhésion à la SCP.

S'il vous plaît, consultez le site Web de la SCP en ce qui a trait à l'information qu'elle publie, y compris celle relative à la réunion annuelle de 2016 à Moncton à l'adresse suivante : <http://phytopath.ca/meetings/cps-annual-meeting/>. David Joly et son équipe ont organisé d'intéressants symposiums et ateliers. Mis à part le concours de vidéos

présentées par des étudiants diplômés, les excellentes possibilités de réseautage et l'hospitalité légendaire des gens des Maritimes, vous avez plusieurs autres raisons de réserver votre place pour la réunion de Moncton qui se tiendra du 12 au 16 juin. La réunion nous donnera également l'occasion de célébrer, par l'intermédiaire des prix que décerne la SCP, l'excellence de nos étudiants diplômés et de nos collègues qui ont contribué de

façon notable à faire connaître la phytopathologie au Canada. Assurez-vous de transmettre les mises en candidature d'aspirants exceptionnels au président du Comité des prix, Ron Knox, d'ici au 1<sup>er</sup> mars 2016 à l'adresse suivante : [ron.knox@agr.gc.ca](mailto:ron.knox@agr.gc.ca).

Si vous n'avez pas encore renouvelé votre adhésion à la SCP pour 2016, s'il vous plaît, profitez de nos droits d'adhésion minimales et allez-y! Je tiens à remercier notre secrétaire aux

adhésions, Vikram Bisht, pour tout le travail qu'il effectue, à cette période-ci de l'année particulièrement, mais aussi tout au long de l'année pour maintenir l'effectif actuel, recruter de nouveaux membres et envoyer des avis importants à tous les membres. Grâce à ses efforts, notre effectif est fort et dynamique.

***“(Les réunions régionale) constituent d'excellents lieux de rendez-vous pour prendre contact avec nos collègues, partager de l'information et rencontrer de nouveaux membres comme des étudiants diplômés. Elles donnent également l'occasion aux étudiants de présenter les résultats de leurs recherches à un plus petit auditoire que lors des réunions annuelles, auditoire qui entretient des liens plus étroits avec des industriels de la région ainsi qu'avec des producteurs agricoles et forestiers locaux.”***



# AWARDS & NOMINATIONS

## CPS AWARDS 2016

Please take some time to nominate your colleagues and students for one of the CPS Awards. The awards are summarized below. Full awards details and criteria may be found at <http://phytopath.ca/about-cps/cps-awards/>. Awards will be presented at the Canadian Phytopathological Society Annual General Meeting, Moncton, New Brunswick, June 12-15, 2016. Completed nominations should be sent to Ron Knox, CPS Awards Committee Chair at [ron.knox@canada.ca](mailto:ron.knox@canada.ca) by March 1st, 2016.

### Available CPS Awards

#### 1. Honorary Member

This award is open to any person who has rendered eminent service to plant pathology and is normally not a member of the Society. Submit a letter of recommendation outlining service and achievements.

#### 2. Fellow

This award is open to regular members of the Society who have rendered outstanding service to the Society and to the profession. Submit letter of recommendation outlining services and achievements.

#### 3. Award for Outstanding Research

As the Society's most prestigious award, it recognizes outstanding research in plant pathology in Canada. Consideration is given to research involving new concepts, phenomena, or principles in plant pathology. Submit letter of recommendation outlining research achievements.

#### 4. Outstanding Young Scientist Award

This award recognizes the contributions of a junior scientist (under 45 years of age) who has made an outstanding contribution to plant pathology in Canada. Submit letter of recommendation outlining:

- superior research accomplishment, either as a single contribution or as a series of associated endeavours, in plant pathology or in a related field

- meritorious contribution to plant pathology scholarship or literature, whether or not this is based upon the recipient's own original research, and whether or not it be based upon predominantly Canadian material
- unusually valuable practical application of scientific or technological expertise
- significant leadership in plant pathology

#### 5. Graduate Student Travel Awards (2 awards of \$500 each)

This award provides reimbursement of travel, accommodation, registration and other costs to attend the CPS Annual Meeting. The student must be in a MSc or PhD research program in plant pathology, but does not need to be a CPS member. The application must include:

- A copy of the abstract of the presentation to be published in the Canadian Journal of Plant Pathology
- A one-page statement from the student outlining the significance and implications of the research to be presented
- Academic transcripts inclusive of undergraduate and graduate training

#### 6. Achievements in Plant Disease Management

This award recognizes individual or team contributions from industry or not-for-profit agencies, for innovative research, development of products and technologies, and/or transfer of information for the benefit of disease management in Canada. Supporting evidence and up to 3 letters of reference are required to substantiate contribution to:

- scientific research on products and technologies used in plant pathology
- innovative solutions to problems in plant pathology
- participation in plant pathology extension
- volunteer support to the Society

#### 7. CPS Education Award (open to CPS members and public, including school students)

This award recognizes contributions by individuals or groups for the development of teaching resources that can be used by instructors in public schools or universities to illustrate the importance and (or) principles of plant pathology and related topics. Resources could include videos, websites, software, experimental designs, new texts, posters, or articles of educational interest.

#### **8. Best Student Presentation Awards**

Best Student Presentation Awards for oral and poster presentations are evaluated during the CPS annual meeting. Submit a copy of the abstract to the Awards Committee indicating the type of presentation. The evaluation criteria are based on content and organization and presentation.

#### **9. Graduate Student Scholarships** (up to 3 scholarships of \$1500 each plus paid CPS membership)

Scholarships are available to undergraduate, MSc and PhD students studying at a post-secondary institution in Canada. Following the award of the CPS Graduate Student Scholarship, candidates are expected to present their research at a national or regional CPS meeting at some future date and their

supervisors are requested to provide a short biography of the student for the quarterly newsletter of the Canadian Phytopathological Society. Application submissions require:

- Two letters of support/reference from an academic or work supervisor who has known the candidate for at least 12 months
- A personal statement consisting of one page that outlines the applicant's motivation for pursuing graduate studies in plant pathology, as well as future goals, their personal activities that demonstrate research abilities and leadership, e.g., publications, teaching, volunteerism, community involvement, etc.
- An essay on a topic in plant pathology or an original research proposal that demonstrates the applicant's ability to communicate and organize ideas. Maximum of 3 pages in length, typed double-spaced, 12-point font
- Copies of academic transcripts for undergraduate studies and graduate studies if applicable
- Evidence of registration in a graduate program, (letter from supervisor or documentation from university, such as a tuition receipt)

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**Canadian  
Phytopathological  
Society**



**La Société  
Canadienne de  
Phytopathologie**

## The Canadian Phytopathological Society's "Best Educational Video" Graduate Student Award

### Eligibility

All graduate students pursuing their research project related to any plant disease are eligible for the award. However, preference will be given to the graduate student members of CPS.

### Rules for making the video

1. The video should be focused on a plant disease and must include the host(s), the pathogen, and the symptoms and signs on the host(s).
2. The video should be easy to understand by high school and undergraduate students.
3. The video should be of 3-5 minutes in length.
4. Only one submission per student will be considered.
5. There should not be any effects or changes in the original video. Video should be of 720 pixels or 1080 pixels in size.
6. Inform whether the student participant is attending the CPS-2016 meeting or not
7. Student should agree to share his/her video on CPS pages on social networking sites and the website of the Society. Additionally, permission should be granted to share the video with any educational institution worldwide.

### Deadline

Submit your video on or before **April 1, 2016**. The video can be shared with [gurcharn.brar@usask.ca](mailto:gurcharn.brar@usask.ca) in dropbox.

### Awards

All entries will be judged by the Awards Committee of the CPS. Two awards will be presented to the top two entries. The awards will be presented at the CPS Annual Meeting - 2016 Awards Ceremony and are meant to partially cover the expenses of the student to attend the CPS annual meeting. Additionally, the videos will be played in a session at the annual meeting.



La Société Canadienne de  
Phytopathologie



Canadian Phytopathological Society

## Call for 2016-17 CPS Nominations

Nominate your colleagues today!  
Submissions close on February 5, 2016



Volunteers are the lifeblood of CPS activities and we need your involvement to move the CPS's objectives forward. Becoming a member of a CPS committee is an excellent way to meet other plant pathologists from across Canada and to contribute to your scientific society.

The Nominating Committee is seeking nominations to the CPS Board of Directors and Standing committees for 2016 -17 from the CPS membership:

### **CPS Board of Directors**

**Vice President** (1 position. A 4-year term, Vice President becomes President-Elect, then President and the following year Past President).

**Junior Director-at-Large** (1 position. A 2-year term, becomes Senior Director in Year 2).

**For Standing Committees:** we need a new member for each of the following:

- CPS Awards Committee (1 position)
- CPS Education committee (1 position)
- CPS Financial Advisory Committee (3 positions)
- CPS Nominating Committee (1 position)
- CPS Public Relations Committee (1 position)
- CPS Resolutions Committee (1 position)

Terms of Reference for the committees can be found on the CPS Website: [http://phytopath.ca/wp-content/uploads/2014/09/cps\\_operations\\_manual\\_2009.pdf](http://phytopath.ca/wp-content/uploads/2014/09/cps_operations_manual_2009.pdf).

Also, the committee membership for this year is at: <http://phytopath.ca/wp-content/uploads/2015/10/Committees2015-16.pdf>

If you would like to serve, or nominate a colleague, please make sure you have assent of the candidate that you are nominating. Please send the name of the nominee, contact information and position on the Board or a CPS committee to [Deena.Errampalli@agr.gc.ca](mailto:Deena.Errampalli@agr.gc.ca), by **FEBRUARY 5, 2016**.

Thank you.

Sincerely,

Deena Errampalli  
Chair of the CPS Nominating Committee  
CPS Past President  
E-mail: [Deena.Errampalli@agr.gc.ca](mailto:Deena.Errampalli@agr.gc.ca)



# ANNOUNCEMENTS

## Canadian Phytopathological Society Annual Meeting

June 12 to 15, 2016

Delta Beauséjour, Moncton, NB, CANADA



On behalf of the organizers of the 2016 Canadian Phytopathological Society (CPS) annual meeting, we invite you to the 87th Annual Meeting of the CPS to be held June 12-15, 2016 at the Delta Beauséjour, 750 Main Street, Moncton, NB. The objectives of CPS are to encourage research, education, and the dissemination of knowledge on the nature, cause, and control of plant diseases. Society-sponsored, national meetings and regional association meetings provide an opportunity for plant pathologists to meet and discuss their common interests. The annual meeting allows participants from industry, government and academic institutions a forum to interact, educate and communicate on the nature, cause and control of plant diseases. The organizing committee has incorporated many presentations by leading researchers from North America.

Our annual meeting typically attracts research, industry, and extension personnel from across Canada as well as the USA and internationally with attendance ranging from around 80 up to over 140 for joint meetings. Presentations and posters at the meeting cover field crops like potatoes, wheat, barley, and canola through to horticultural and forest species. Topics that are covered range from applied research through to basic research dealing with host-pathogen interactions. In addition, we are planning on having a total of two symposia and two workshops. The symposia and workshops are as follows:

### Symposia:

- S1. Genomics-based applications in plant pathology**
- S2. Biovigilance: A framework for effective pest management**

### Workshops:

- W1. Effectormics and resistance breeding**
- W2. Statistical analyses in plant pathology (TBD)**

There will be both paper and poster sessions. A welcome reception will be held at the Delta Beauséjour on the evening of June 12, 2016 and a banquet on June 14, 2016.

### CPS 2016 registration

**Early Bird Registration – on or before April 29, 2016;**  
**Regular Full Registration – after April 29, 2016**

**CPS Member: Early bird - \$CAD450.00, Full registration - \$CAD550.00**

Includes reception (Sunday evening June 12), banquet (Tuesday evening June 14), and coffee breaks, breakfast, and lunch for Monday and Tuesday, and coffee break and breakfast for Wednesday (June 13-15).

**Non-Member: Early bird - \$CAD550.00, Full registration - \$CAD650.00**

Non-Member fee includes membership to the Canadian Phytopathological Society, active after

registration is completed, for the remainder 2016. The membership fee for one year is normally \$100. For more information about CPS memberships visit <http://phytopath.ca/>.

**Student Member: Early bird - \$CAD225.00, Full registration - \$CAD275.00**

Student registration also includes everything listed for the CPS member registration plus a student social on Monday evening (June 13).

**Student non-member: Early bird - \$CAD275.00, Full registration - \$CAD325.00**

The student non-member fee includes membership to the Canadian Phytopathological Society, active after registration is completed, for the remainder of 2016. The membership fee for students for one year is normally \$50. For more information about membership visit <http://phytopath.ca/>. Student non-member registration also includes everything listed for the CPS member registration plus a student social on Monday evening (June 13).

**Single Day: Early bird - \$CAD150.00, Full registration - \$CAD175.00**

Single day registration does not include any tickets to the special events - only attendance at the sessions. Delegates registering for a single day will have the opportunity to purchase themselves a guest ticket for these events.

**Extra Reception Tickets:** \$50 per ticket.  
**Extra Banquet Tickets:** \$55 per ticket.

**Abstracts:**

Deadline for submission of abstracts is May 13. There is a \$35 fee/abstract for publication of abstracts in the *Canadian Journal of Plant Pathology*. The format of abstracts must follow that for CJPP (<http://phytopath.ca/journallinks.shtml>). Underline the speaker's name, indicate whether the presentation is oral or poster, and indicate if it is a student presentation. Instructions for abstract submission and payment will follow shortly.

**For further information contact:**  
**David Joly (Chair of LOC)**  
**Phone: 506-858-4810**  
**Email: david.joly@umoncton.ca**

**Location of the 2016 CPS meeting and accommodations:**

**DELTA BEAUSÉJOUR**

**750 Main Street**

**Moncton, New Brunswick E1C 1E6**

<https://www.deltahotels.com/Hotels/Delta-Beausejour-Hotel>

Toll-free Reservations: 1-888-890-3222

Direct: 1-506-854-4344

Contact the hotel directly to book rooms **and mention CPS 2016 for the conference room rates. Room rates for meeting (based on single or double occupancy):**

- \$149.00 + tax per night

- A block of rooms are being held at these prices for this meeting until May 5, 2016

In a great downtown location, Delta Beauséjour is one of Moncton's finest and friendliest hotels, catering not only to business travelers, but also to families – particularly since a 38-meter indoor waterslide was added to the pool area. Modern, streamlined elegance is the theme in public spaces and guest rooms, a Signature Floor offers added amenities and seclusion, and there are three restaurants: the casual Café, serving breakfast, lunch, and dinner, the chic Triiii; and the superb Windjammer. Conveniently close to the city's best shopping, restaurants and nightlife; within walking distance of the Petitcodiac River with his famous Tidal Bore and extensive riverfront trail.

For more information, please visit <http://phytopath.ca/meetings/2016-cps-annual-meeting/>.



## Special Session on Plant Parasitic Nematodes

The Pest Management Centre is hosting a special session on plant parasitic nematodes of concern for Canadian agriculture, which will take place on March 21<sup>st</sup>, 2016 from 3:00 - 6:00pm in Gatineau, QC, as part of the 2016 Canadian Biopesticides and Minor Use Pesticides Priority Setting Workshops. This session will precede the Pathology Priority Setting Workshop to be held March 22<sup>nd</sup>. Several AAFC scientists working in the area of pest nematodes will present information about the impact of nematodes on Canadian agriculture, progress in research and opportunities for integrated approaches to nematode management, and potential solutions in development. It is anticipated that the information brought forward to stakeholders through this session can be used on the following day to inform priority selection for nematodes at the pathology workshop. For inquiries or to inform us of your research work resulting in promising management options for nematodes please contact the session organizer Leslie Cass at [Leslie.cass@agr.gc.ca](mailto:Leslie.cass@agr.gc.ca).

Le Centre de la lutte antiparasitaire sera l'hôte d'une session spéciale portant sur les nématodes phytoparasitaires affectant l'agriculture canadienne qui aura lieu le 21 mars 2016 de 15 h à 18 h à Gatineau, Québec. Cette session se tiendra dans le cadre des Ateliers canadiens d'établissement des priorités en matière de biopesticides et pesticides à usage limité. Elle précédera l'atelier de priorisation portant sur la pathologie qui se tiendra le jour suivant, soit le 22 mars. Divers chercheurs scientifiques d'AAC travaillant dans le domaine des nématodes informeront les participants de l'impact des nématodes phytoparasitaires sur l'agriculture canadienne, les progrès au niveau de la recherche, les opportunités en matière de lutte intégrée pour la gestion des nématodes et finalement les solutions potentielles en développement. Il est prévu que les informations présentées aux intervenants seront utilisées pour la sélection des priorités pour les nématodes dans le cadre de l'atelier sur la pathologie qui se tiendra le lendemain. Pour toute question ou information concernant vos travaux de recherche qui porteraient sur des options de gestion des nématodes prometteuses, veuillez communiquer avec Leslie Cass, responsable de la session à l'adresse courriel suivante : [Leslie.cass@agr.gc.ca](mailto:Leslie.cass@agr.gc.ca).



## ISAA 2016 Symposium - Please Note Change of Date and Venue

The 11th International Symposium on Adjuvants for Agrochemicals (ISAA 2016) has changed date and location. The symposium will be held June 13-17, 2016 at the Hyatt Regency Monterey otel and Spa on Del Monte Golf Course. For additional details, please see notice in *CPS News* Vol. 59(2) June 2015 pg. 77, or visit [www.isaa2016.org](http://www.isaa2016.org).

# REGIONAL MEETING REPORTS

## CPS-BC Regional Meeting Report 2015

The CPS-BC Regional meeting was held on October 21, 2015, at the Sandman Hotel, Abbotsford, B.C. The meeting was organized and hosted by the local arrangements committee led by Vippen Joshi, B.C. Ministry of Agriculture. The meeting was attended by a total of 31 participants, including graduate students, researchers and industry representatives. There were a couple of out-of-province attendees. The agenda captured a wide range of phytopathological topics in Agriculture and Forestry and an update from the Pest Management Centre.

Following registration and welcome remarks, the formal part of the program consisted of two oral presentation sessions followed by one poster presentation session. There were a total of twelve oral presentations and six poster presentations. Topics covered included epidemiology, fungicide and biofungicide efficacy trial results, soil amendments, effects of irrigation practices on nematode populations, identification and characterization of fungal pathogens and development of diagnostic tools and an update on emerging plant diseases in B.C. The first place oral presentation award was presented to Gurcharn Singh Brar (University of Saskatchewan, Saskatoon) titled – ‘Is *Puccinia striiformis* f. sp. *tritici* population in the Western Canada really clonal?’. The second oral presentation award was presented to Juan A. Aldana (Centre for Forest Pathology, University of

Victoria, B.C.) titled ‘Long-term effects of cedar leaf blight infection in the Western redcedar seedlings’. The best poster presentation award was presented to Jesse MacDonald (AAFC, Agassiz, British Columbia) for the poster titled, “Identification of *Colletotrichum destructivum* causing anthracnose of *Wasabia japonica* in British Columbia”. Second place recipient for the poster presentation was – Gurcharn Singh Brar (University of Saskatchewan, Saskatoon) on ‘Stripe rust disease dynamics in Southern Alberta, Saskatchewan, and Manitoba, 2009-2014’. The formal part of the meeting was followed by a nice reception with yummy treats and awards ceremony. The awards were presented by Gayle Jespersen, the CPS Secretary.

Vippen Joshi, CPS-BC Regional Representative, conducted the business meeting during the lunch hour. President Brent McCallum’s message was read by Gayle Jespersen. Vippen Joshi presented the treasurer’s report prepared by Rona N. Sturrock.

Thanks were extended to the local arrangements committee (Siva Sabaratnam and Vippen Joshi) who put together an impressive program in a very nice venue, and to Maria Jeffries for taking minutes for the business meeting.

Respectfully submitted by:  
Vippen Joshi, CPS-BC Regional Representative



**Participants at the  
CPS-BC Regional  
Meeting, October 21,  
2015**

## Report on the 36<sup>th</sup> Annual Meeting of the Plant Pathology Society of Alberta, Lethbridge, Alberta, November 16 – 18<sup>th</sup> 2015.

The 36<sup>th</sup> Annual Meeting of the Plant Pathology Society of Alberta was organized and hosted by PPSA members from the Lethbridge Research and Development Centre (LRDC), Agriculture and Agri-Food Canada. There were 57 attendees at this meeting. The scientific meeting was held at LRDC, the opening reception was held at the Lethbridge Best Western Plus, and the awards banquet was held at the Galt Museum and Archives.

The scientific meeting on Tuesday morning started with welcoming remarks from Syama Chatterton, Chair of the Local Organizing Committee, and Brent McCallum, CPS-SCP President. This was followed by a special session spotlighting innovative practices in Southern Alberta by Josh Fankhauser from Lamb Farms, and Taelynn Graham and Corwin Smith from the Data Visualization lab at the University of Lethbridge. Josh presented on the philosophy driving sustainable practices on his family's mixed grain farm, and presented some thoughtful and inventive practices that his farm uses to reduce pesticide use. Taelynn Graham and Corwin Smith presented on the collaboration between a new media fine arts lab and scientists at the Lethbridge Research and Development Centre to visualize data in artistic, original and thought-provoking ways. These were very illuminating sessions that challenged us to think outside the box for our own research. This was then followed by a feature presentation from Dr. Denis Gaudet on current and historical aspects of stripe rust in Alberta. This special morning session was then followed by oral (18) and poster (14) presentations for the remainder of Tuesday and Wednesday morning.

On Tuesday evening the banquet was held at the Galt Museum and Archives, where we enjoyed a delicious meal, prepared by LA Chefs. Prizes for best student and technical oral and poster presentation were awarded as follows:

**Jonathan Reich** and **Ravinder Goyal** shared the Technician oral presentation award for their talks entitled 'Seasonal dynamics of *Botrytis cinerea* and *Sclerotinia sclerotiorum* in seed alfalfa fields of

Southern Alberta' and 'MAP kinases and defense signalling for disease resistance in wheat' respectively.

**Michael Holtz** won the technician poster award for his poster 'Characterization of populations of *Plasmodiophora brassicae* by genotyping-by-sequencing'.

**Chris Sehn** won the student poster award for poster entitled 'Molecular characterization of the Lethbridge Research and Development Centre snow mold collection.'

**Anas Eranthodi** won the student oral presentation award for talk entitled '*Fusarium graminearum* mutant screening towards identification of pathogen-associated molecular patterns in the Fusarium head blight-wheat interaction.'

**Anas Eranthodi** was also awarded the PPSA Graduate Student scholarship and received a cheque for \$1000 at the banquet.

The Local Organizing Committee would like to thank the sponsors of the 2015 Annual PPSA meeting for their generous support: 20/20 Seed Labs, Alberta Barley Commission, Alberta Wheat Commission, Biovision Seed Labs, NuFarm, Syngenta and Viterra. The Local Organizing Committee for the 2015 meeting consisted of:

**Syama Chatterton** (Chair)

**Nora Foroud** (Scientific Program & Abstracts)

**Diane Vys Gonzalez-Pena Fundora** (Scientific Program)

**Scott Erickson** (Registration)

**Eric Amundsen** (Secretary)

**André Laroche** (General Meeting Arrangements)

**Michele Frick** (Meals)

**Jon Reich** (A/V and technical)

Submitted on behalf of the 2015 PPSA Local Organizing Committee by,  
Syama Chatterton

*PPSA Regional Meeting Awards Presentations*



**PhD candidate, Anas Eranthodi (right), University of Lethbridge, receives the PPSA Scholarship from CPS President Brent McCallum**



**Michael Holtz (right), AAFC Lacombe, receives the award for Best Technician Poster from Dr. Denis Gaudet, Member of the PPSA Awards Committee**



**A tie for Best Technician Oral Presentation award goes to Johnathan Reich (left) and Ravinder Goyal, both from AAFC Lethbridge Research and Development Centre**



PPSA Regional Meeting Awards Presentations



**Chris Sehn (right), AAFC Lethbridge, receives the award for Best Student poster from Denis Gaudet**



**Best Student Oral Presentation award goes to Anas Eranthodi (right), University of Lethbridge**



**Group photo of PPSA attendees 2015**

## CPS-SK Regional Meeting Report 2015

The CPS-Saskatchewan Regional Annual Meeting was held on December 10, 2015, at AAFC Saskatoon Research Center, with over 60 attendees including students, plant pathologists, research scientists, technicians, and industry members. Twenty-two abstracts were submitted; 14 abstracts were for oral presentations and 8 abstracts were for poster presentations. We were honoured to have Dr. Brent McCallum, the President of Canadian Phytopathological Society (CPS), and Dr. Myriam Fernandez from Agriculture-Agri Food Canada, Swift Current with us at our meeting.

Dr. Brent McCallum addressed his greetings to the meeting with updates from the CPS Board on the Society's accomplishments in 2015, which included the launch of new CPS website, the student video competition award program, and the upcoming CPS annual meetings. Dr. Brent McCallum also delivered a research presentation on "The importance of gene combinations for controlling leaf rust".

Dr. Myriam Fernandez's presentation on "Overview of cereal diseases in Saskatchewan and their management" was a comprehensive overview of major agronomically important diseases of barley and wheat, and covered subject matter on geographic distribution of diseases, fungicide application, genetic control of resistance, and disease management.

Other presentations in this meeting covered key areas in significant diseases such as blackleg and clubroot in canola, fusarium head blight and stripe rust in wheat, powdery mildew in winter wheat, stemphylium blight in lentils and pea, ascochyta blight in chickpea, oat leaf blotch, and blossom blight in coriander and caraway. For each of these crop diseases, in-depth research was presented including genetic diversity of pathogenic fungi, virulence of pathogens, herbicide-fungicide interaction, best management practices for disease control, genetic mapping of host resistance, and resistant gene cloning. It is exciting to hear the invigorating research on plant pathology in this community, and these presentations triggered great discussion during the meeting.

Another highlight of this meeting ascribes to the enthusiastic contribution of graduate students. Eleven graduate students delivered fantastic oral presentations in this meeting. Five students competed for student awards in the oral presentation category. All the presentations were of high quality and the first and second place winners of the student award were separated by a mere 0.7 point of score. **Kiela Caudillo Ruiz**, a graduate student from Department of Plant Sciences, University of Saskatchewan, was awarded first place in the oral presentation category for her talk titled, "Species identification of the stemphylium blight pathogen in lentil and pea in Saskatchewan". The second place prize in the oral presentation category went to **Nimllash Thangam Sivachandra Kumar**, Department of Plant Sciences, University of Saskatchewan, for his presentation, "Evaluation of optimum temperature and moisture requirements for *Ascochyta pisi* and *Peyronellaea*".



**Kiela Caudillo Ruiz (center) receives the award for Best Student Oral Presentation from CPS-SK Regional Representative Jianwei Zhao, and CPS President Brent McCallum**





**Second place in the Student Oral Presentation competition is awarded to Nimlash Thangam Sivachandra Kumar**

*pinodes*". Congratulations to both of them!

We thank AAFC Saskatoon Research Center for providing the venue for this meeting. Thanks also to Canadian Phytopathological Society and Dow AgroSciences for their financial support to this meeting. Thanks to Lone Buchwaldt and Coreen Franke who worked together with Jianwei Zhao as a local arrangement committee to organize this meeting. Thanks to the judges Xiangmin Zhang, Linda Mcgregor and Megan Robinson for their help in evaluating the student presentations.

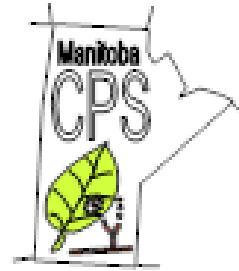
Respectfully submitted,

Jianwei Zhao,  
CPS Regional  
Saskatchewan



Representative for

## CPS-MB Regional Meeting Report 2015



**2015 Manitoba CPS Regional Meeting  
Dec. 7<sup>th</sup>, Dept. Plant Science, University of  
Manitoba, Winnipeg, MB**

The 2015 Manitoba Regional Meeting of the Canadian Phytopathological Society was held on the 7<sup>th</sup> of December, 2015, at the University of Manitoba (Department of Plant Science, Faculty of Agricultural & Food Sciences). Forty-nine people attended this year's meeting.

Registration with coffee and donuts started at 8:30 am. Dr. Fouad Daayf, the Manitoba Regional Chair for CPS welcomed the attendees. CPS President, Dr. Brent McCallum conveyed the CPS Board's greetings, then presented Mr. Lorne Adam with a plaque from the CPS Board in recognition of his services to the Society as Website Editor.

Disease updates followed: Dr. Jim Menzies (smuts of wheat, barley and oats, crown rust of oats); Dr. Tom Fetch (stem rust); Dr. Brent McCallum (leaf and stripe rust); Dr. Khalid Rashid (flax and sunflower diseases: verticillium, rusts, sclerotinia rots, downy mildews); Mrs. Pratisara Bajracharya (corn, canola, and soybean diseases); Dr. Yong Min Kim (Field bean, field pea, and soybean diseases). Most of the information presented will be published in Canadian Plant Diseases Survey.

This year, there were 14 student presentations as follows:

**Babel, CM** et al., Genetic mapping of stem and leaf rust resistance in the spring wheat line Kavkaz-K4500.

**Amarasinghe, CC** et al., Investigating the durability of blackleg resistance genes in *B. napus* and the emergence of virulent isolates in *L. maculans*.

**CPS President Brent McCallum (left) presents Lorne Adam with a plaque from the CPS Board in recognition of services to the Society as Website Editor**



**Rashid, MH** et al., Investigating the durability of blackleg resistance genes in *B. napus* and the emergence of virulent isolates in *L. maculans*.

**Rong, L** et al., Temperature effects on lesion development and R-genes when infected by *Leptosphaeria maculans* causing blackleg disease of canola

**Zhang, X** et al., Transcriptional profiling of defense mechanisms in the *Brassica napus* - *Leptosphaeria maculans* pathosystem.

**Becker, MG** et al., Comprehensive analysis of canola defense response to *L. maculans*: uncovering new regulators of plant resistance.

**Girard, IJ** et al., Using Big Data to probe plant defense response: predicting novel regulators of plant defence in the canola-sclerotinia pathosystem.

**Walker, PL** et al., Tissue specific defense response of the canola (*Brassica napus*) - *Sclerotinia sclerotiorum* pathosystem.

**Yang, C. & Fernando, WGD**, Analysis of the host hormonal signaling involved in *Brassica napus* - *Leptosphaeria maculans* Pathosystem.

**Zhu, X** et al., Involvement of the JA and SA pathways in the potato response to *Verticillium dahliae*.

**Reimer, LM** et al., *Pseudomonas chlororaphis* PA23 biocontrol of *Sclerotinia sclerotiorum*: understanding populations and enhancing inoculation.

**Nandi, MS** et al., Biocontrol agent *Pseudomonas brassicacearum* DF41—role of exoproducts in defense against the predator *Caenorhabditis elegans*.

**Shah, N** et al., The transcriptional regulator PtrA is essential for *Pseudomonas chlororaphis* PA23 biocontrol activity.

**McLoughlin, A** et al., A promising novel method to control *Sclerotinia sclerotiorum* using RNA interference.

After lunch and a short coffee break, awards for best student presentations were presented to two winners and three others for honorable mention. The best student oral presentation went to **Chami Amarasinghe** (supervisor: Dr. Dilantha Fernando) and the runner-up was **Michael Becker** (supervisor: Dr. Mark Belmonte). Three other students had honorable mention: **Lori Reimer**, **Ian Girard**, and **Philip Walker**.



**Brent McCallum (left) and Fouad Daayf (right) congratulate Chami Amarasinghe, winner of the Best Student Presentation prize**



**Michael Becker (center) receives the runner-up prize in the Best Student Presentation competition**



**Honorable mention students Philip Walker (center left), Lori Reimer (center) and Ian Girard (center right)**

Eight more presentations from regular members followed:

**Rashid, KY**, A Major shift in sunflower rust races in Manitoba

**Zou, ZW** et al., Identification of a new subclade of *Leptosphaeria biglobosa* on *Brassica rapa* in Oregon, USA.

**Bisht, VS**, Update on Manitoba Potato and Vegetable Crops: Disease and Insects in Manitoba, 2015.

**Adam, LR** et al., Methods for assessing pathogenicity of corn Goss's Wilt.

**Soliman, A** et al., Genetic diversity of *Clavibacter michiganensis* subsp. *nebraskensis* causing corn Goss's wilt in Manitoba.

**Arfaoui, A** et al., A system's approach for managing root rots disease in soybeans: importance of biological control agents.

**Saikia, S** et al., *Pseudomonas brassicacearum* strain DF41: A biocontrol agent against sclerotinia stem rot in canola.

**Fernando, WGD**, Do genes hitchhike and play hide and seek? A lesson from the canola-blackleg storybook

The business meeting followed shortly after.

#### **Business meeting**

After welcoming the members, Dr. Daayf called for the adoption of the minutes from last year's meeting. The minutes were accepted (Menzies/Fernando). CPS President Brent McCallum extended thanks to our sustaining associates, then provided an update on the next annual meeting of the CPS, which will be held in Moncton, NB. Dr. Daayf mentioned that a local arrangement committee (LAC) for the CPS annual meeting, which will be held in Winnipeg in 2017 has met twice this year, but that a few LAC positions still need to be filled. Dr. Daayf presented a financial update of the Manitoba regional section, and thanked all those in the audience for coming, and Mr. Lorne Adam, Mrs. Bev Godard, Mr. Alexander Shumilak, and Dr. Atta Soliman for their help with this year's local arrangements of the CPS-Manitoba section meeting. The members discussed the nature of prizes for the best presentations, and following a motion by Menzies/Rashid, they unanimously agreed that in addition to the two best presentations, the students with honorable mention will also receive a prize. On a motion by Rashid/Fernando, the members also voted to have the next year's meeting in Winnipeg. The meeting was adjourned at 5 pm.

Respectfully submitted,

Dr. Fouad Daayf  
CPS-MB Regional Representative

## IN MEMORIAM



**Rudra Prasad Singh, 1940-2015**

Dr. Rudra Prasad Singh, a longtime member of the Canadian Phytopathological Society (CPS) and former Editor-in-Chief of the Canadian Journal of Plant Pathology, passed away on November 27<sup>th</sup> 2015 at the age of 75.

Dr. Singh received a B.Sc. (1959) and a M.Sc. (1961) in India, and a Ph.D. from North Dakota State University in 1966. He joined what is now Agriculture and Agri-Food Canada (AAFC) in Fredericton in 1966, first as a postdoctoral fellow and then a research scientist. He retired in 2008 after 40 years of service.

Dr. Singh had a brilliant research career with AAFC. His earlier research findings with AAFC contributed to the discovery of the viroid as a novel pathogen type. The “return”-polyacrylamide gel electrophoresis procedure developed subsequently by him became the standard for detection of *Potato spindle tuber viroid* (PSTVd). The use of the procedure along with field-surveys for PSTVd in the Maritime Provinces led to the eradication of spindle tuber disease in Canada. Upon the emergence of the necrotic strain of *Potato virus Y* (PVY<sup>N</sup>) in eastern Canada in the early 1990s, Rudra and his team contributed significantly to the understanding of the genetic and pathological diversity of PVY and developed several widely adapted and cited procedures for the effective differentiation of PVY strains. Over his career, he co-edited four books and authored over 200 research papers and review articles.

He lectured and taught freely around the world, and served as a mentor to a whole generation of scientists. His passion for science and his love for farmers earned him numerous awards. Dr. Singh’s achievements have been recognized through numerous industry, government, and professional society awards, including the Award for Outstanding Research by CPS (1997), Honorary Fellow of the Indian Potato Association (1997), CPS Fellow (2002), the Bio-Atlantech Biosciences award (2004) and an Honorary Life Membership in the Potato Association of America (2009).

Rudra is survived by his wife, Manorma and his three sons, Narendra, Arvind and Avinash and their families.

More details of Dr. Singh’s career accomplishments will be published in an upcoming issue of CJPP.

Prepared by Xianzhou Nie and Mathuresh Singh

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*Shared memory from CPS Past President, Deena Errampalli:*

“Dr. Rudra Singh was a great colleague, accomplished plant pathologist and contributed a lot to the CPS as the Editor-in-Chief (1994-2001). He was awarded the CPS Outstanding Research in 1997 and became a CPS Fellow (highest honour bestowed by the society) in 1999.

A couple of decades ago, a tradition was developed at CPS annual meetings, where all those who enjoy Indian food would get together and have one dinner at an Indian restaurant. In 1998 the CPS Annual meetings was held in Fredericton, NB and at that time there were no Indian restaurants. One of the fond memories from that meeting was that Rudra and his wife Monorma Singh prepared delicious Indian meal for the some 40 CPS delegates! We were thrilled to partake in homemade Indian dinner!

Rudra will be greatly missed by the plant pathology community in Canada and worldwide.”

## 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**

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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 45 (11) November 2015

In this issue:

- ISPP Council: Please remember to vote
- Leaf Doctor: An App to quantify plant disease severity
- New list of ginger (*Zingiber officinale*) diseases
- Vision Infinity for Food Security - new book
- Essential Virology and Viruses of Tropical Crops - new book
- 20th Australasian Plant Pathology Society Conference in Fremantle, September 2015
- International Mango Symposium and Plant Pathology and Entomology master class, September 2015
- The future of agricultural pest control
- The sound of single bacterium swimming
- A framework to evaluate the emergence potential of plant pathogens
- Researchers discover key link in understanding billion-dollar pests in agriculture
- New Vacancy
- Acknowledgements
- Coming events

**ISPP NEWSLETTER 45 (12) December 2015**

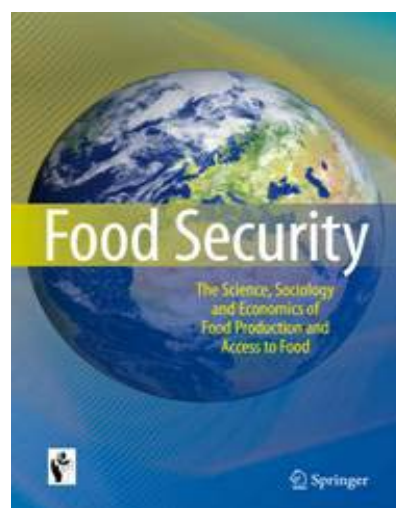
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- Seasonal greetings
- ISPP Newsletter - Present and past
- The first 7 years - A report on the journal Food Security
- Setting standards in teaching agriculture in Australian Universities
- A Phytophthora that is taking the gin out of the tonic
- The “big rust’s” impact on coffee disease management
- Protecting crops from nematodes using ‘peptide mimics’ technology
- Diseases of Edible Oilseed Crops - new book
- ‘The Downy Mildew Rap’
- Australia-Africa plant biosecurity partnership
- Australian tobacco plant could make farms in space possible
- Secrets of a rice-killing fungal toxin
- Gas sensor array to detect sour skin in onions
- New Vacancy
- Acknowledgements
- Coming events

**ISPP NEWSLETTER 46 (1) January 2016**

In this issue:

- ISPP President’s Greetings for 2016
- Pathogen’s crossword
- Update on planning for ICPP 2018 in Boston, Massachusetts USA
- Does the P value have a future in plant pathology?
- Soybean rust disease threatens production
- Scientists Develop GM Citrus with Enhanced Resistance to Greening
- 28th Fungal Genetics Conference, March 2015
- International Online and Onsite Workshop on the Oomycetes, 19 July 2015
- 21st International Congress on Modelling and Simulation, 2015
- First comprehensive collection of plant bacteria on Arabidopsis thaliana
- Alaskan Inuit Food Security Conceptual Framework: How To Assess the Arctic from an Inuit Perspective
- Finding a natural way to combat pests and diseases in maize
- Slime moulds of Tasmania
- Current Vacancy
- 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.

Bulletin of the Entomological Society of Canada

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This issue may be accessed at: [http://esc-sec.ca/bulletin/bulletin\\_sep\\_2015.pdf](http://esc-sec.ca/bulletin/bulletin_sep_2015.pdf)



## Submission Deadline for the December 2015 issue of CPS-SCP News

**PLEASE NOTE:** The submission deadline for the March 2016 issue of CPS - SCP News is **February 26, 2016**. 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.



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