

# CPS • SCP *News*



CANADIAN PHYTOPATHOLOGICAL SOCIETY • SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE

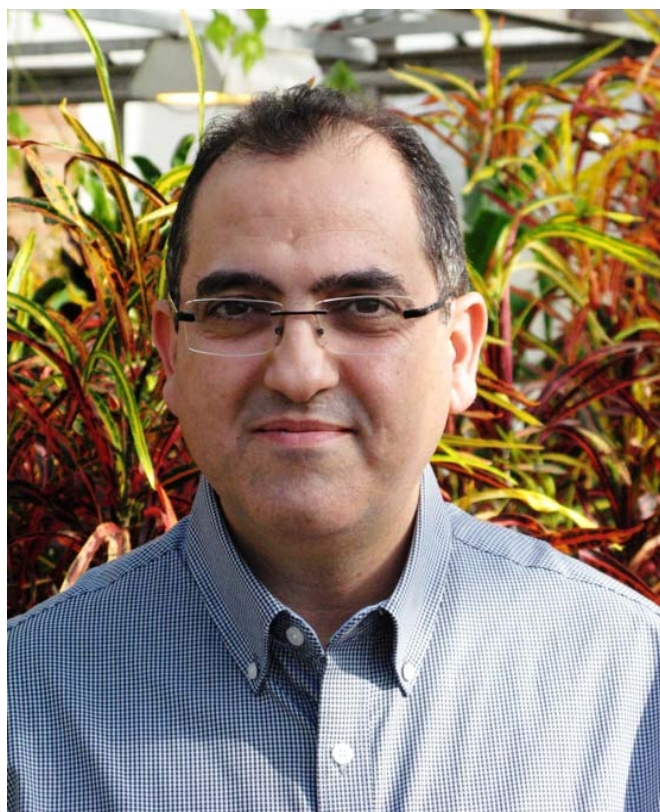
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March 2013

## President's Message

While most of us are preparing for the upcoming field season, some are wondering about potential flooding at their respective field trial locations. In Manitoba, it has been a pretty cold and snowy winter, and when one listens to the news, it is evident that the threat of major flooding south of



**Fouad Daayf**  
CPS-SCP President/président

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the Manitoba border is growing by every passing day. For plant pathologists and breeders who need to run disease field trials, excess moisture is one concern, but they might also be facing other uncertainties related to Environment Canada's regulations for the Notification of New Organisms, although ongoing efforts are expected to soften some of the hurdles to plant pathology research posed by such regulations. In spite of these interesting challenges, we are all very excited about the upcoming annual meeting of the Canadian Phytopathological Society in Edmonton in June. Throughout my career, every one of these meetings has been a real pleasure. Every single time, I had the pleasure to see friends, meet new colleagues and students, make new friends, and enjoy the scientific program. I hope many of you will have the opportunity to join us this summer in Edmonton, where so many interesting things can be seen, and the Rockies are not that far away. In addition, the Local Arrangement Committee, chaired by Dr. Kelly

Turkington, has arranged for great rates at the Matrix Hotel, so take advantage of this opportunity if you can. Our last meeting in Niagara Falls was a real success in every aspect, and I hope that you will make every effort to attend and contribute to the success of the upcoming annual meeting in Edmonton.

## CPS Awards and scholarships

We are lucky to have no less than nine different awards offered by our Society, with the student awards available to more than one recipient: there are two Graduate Student Travel Awards (\$500 each) and three Graduate Student Scholarships (\$1,500 each, plus CPS membership!). If you are a student, take advantage of these possibilities and apply (<http://phytopath.ca/awards.shtml>). There will also be awards for Best Student Presentations at the meetings, both oral and poster. If you have not submitted your abstract(s) for the meeting, there is still time to do so.

If you are a regular member, please consider nominating a student for one of these awards, or a colleague for one of the other six awards available: Honorary Member, Fellow, Outstanding Research, Outstanding Young Scientist, Achievements in Plant Disease Management, CPS Education Award.

Nominating a colleague might take only a small amount of time, but the outcome can be tremendous for the nominee, as well as for the Society. These are the kinds of things that foster our relationships with the Society and amongst us as individuals, colleagues, and friends.

## Board members

This is also the time for us to elect new members of the CPS Board. If it has not been done yet, you will soon receive an email message prompting you to cast your vote for each of the positions available. This year, we will need to elect people for at least two positions: Vice-President and Junior Director.

This is your Society, so please vote when the time to do so comes. It is also important to remind you that this is an ongoing exercise every year. So if you are willing to let your name stand for one of these or other CPS Board positions, or know someone else who is, please contact the chair of the Nominations Committee, currently Dr. Mary Ruth McDonald, and submit a nomination.

## Strategic planning

As we have been working on the Canadian Phytopathological Society's strategic plan, and contemplating the many recommendations brought forth by the Strategic Planning AdHoc Committee led by David Kaminski, we have noted that the Society's website would be instrumental in properly implementing many of the Committee's recommendations. Therefore, it has become important to have a greater emphasis on improving

our webpage and preparing it to successfully host and facilitate the processes for each new initiative. As a result, the

Board has formed a new website committee, now chaired by Dr. Aiming Wang, to look after revamping the whole website. Several members have volunteered to work on this committee, and I would like to thank them for that. I also invite each one of you to inquire as to how you can help the society through committee work. The good financial standing of the Society will certainly allow us to go forward and create good new initiatives. Therefore, it is your choice if you want to make new suggestions to the Board. The several recommendations by the committee are available, and can truly be a good start to suggest initiatives that would help the Society grow towards an even brighter future.

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***“Nominating a colleague might take only a small amount of time, but the outcome can be tremendous for the nominee, as well as for the Society.”***

## New Substances Notification Regulations (NSNR)

Environment Canada and Health Canada have been collaborating with CropLife Canada, Agriculture and Agri-Food Canada and the CPS, on alternatives to relieve the research community from some of the hurdles posed by the current regulations pertaining to using pathogens in field research. Environment Canada and Health Canada have proposed to run consultations aimed at proposing amendments to the NSNR. A web based multi-stakeholder consultation was held on March 21, 2013, to obtain feedback from different stakeholders on proposed amendments to the NSNR. A message was forwarded to all members by our membership secretary, Dr. Khalid Rashid. I hope some of you had the opportunity to participate. This is an ongoing effort that will hopefully result in alleviating some of the difficulties in conducting field plant pathology research, while minimizing harm to the human health, biodiversity and the environment. It is very encouraging that all of these groups/institutions are working together on this issue, and we are hoping for the best possible outcome.

I wish everyone a great Spring, an excellent field season, and hope most of you will be joining us in Edmonton for the 84<sup>th</sup> annual meeting of the CPS.



## Message du président

Tandis que la plupart d'entre nous se préparent pour une nouvelle campagne sur le terrain, d'autres appréhendent le risque d'inondations à leurs sites d'essais. Au Manitoba, l'hiver a été particulièrement froid et neigeux et, lorsqu'on suit les nouvelles, il est évident que les risques d'inondations majeures au sud de la frontière augmentent chaque jour. En ce qui concerne les phytopathologistes et les sélectionneurs qui doivent mener des essais phytopathologiques sur le terrain, le surplus d'humidité est une préoccupation, mais ils peuvent également devoir affronter d'autres incertitudes en ce qui a trait au Règlement sur les renseignements concernant les substances nouvelles (organismes) (RRSN) d'Environnement Canada. Toutefois, des efforts soutenus devraient aplanir certains des obstacles posés à la recherche en phytopathologie engendrés par une telle réglementation. Malgré ces défis, nous sommes tous très excités à l'approche de la prochaine réunion annuelle de la Société canadienne de phytopathologie (SCP) qui se tiendra à Edmonton en juin. Depuis le début de ma carrière, chacune de ces réunions a été synonyme de véritable plaisir. Chaque fois, j'ai apprécié le fait de revoir des amis, de rencontrer de nouveaux collègues et étudiants, de faire de nouveaux amis et de suivre le programme scientifique avec intérêt. J'espère que bon nombre d'entre vous auront l'occasion de se joindre à nous cet été à Edmonton où si nombreuses choses peuvent être visitées; et puis les Rocheuses sont tout près. De plus, le comité local d'organisation, présidé par Kelly Turkington, a négocié des prix très avantageux à l'hôtel Matrix, alors profitez-en si vous en avez l'occasion. Notre dernière réunion à Niagara Falls a été, sur tous les plans, un franc succès et j'espère que vous ferez tout ce qui est en votre pouvoir pour assister à la prochaine réunion et contribuer également à son succès.

## Les prix et les bourses de la SCP

Nous avons la chance d'appartenir à une société qui offre pas moins de neuf prix différents, y compris ceux offerts à plus d'un candidat : il y a deux bourses de voyage pour étudiant de 500 \$ chacune et trois bourses pour étudiants gradués de 1 500 \$ chacune.

(plus l'adhésion à la SCP). Si vous êtes étudiant, profitez de ces avantages et inscrivez-vous (<http://phytopath.ca/awards.shtml>). Il y aura aussi des prix pour étudiants(es) remis à la réunion pour la meilleure présentation orale ainsi que pour la meilleure affiche. Si vous n'avez pas encore envoyé votre ou vos résumés pour la réunion, il est encore temps de le faire.

Si vous êtes un membre régulier, s'il vous plaît, envisager de nommer un étudiant pour l'obtention d'un de ces prix ou un collègue pour un des prix suivants : Membre honoraire, Associé, Recherche exceptionnelle, Jeune scientifique de talent, Réalisation en gestion des maladies des plantes, Éducation.

Il faut peu de temps pour nommer un collègue, mais les retombées peuvent être d'une importance capitale pour la personne nommée de même que pour la Société. Ce sont ces choses qui favorisent les meilleurs rapports avec la Société et entre nous en tant qu'individus, collègues et amis.

## Les membres du conseil d'administration

C'est également le temps d'élire de nouveaux membres au conseil d'administration de la SCP. Si cela n'a pas déjà été fait, vous recevrez bientôt un courriel vous incitant à voter pour chaque poste à combler. Cette année, nous devons pourvoir à au moins deux postes : ceux de vice-président et de directeur junior. Il s'agit de votre Société, alors, s'il vous plaît, votez quand le temps sera venu. Il importe également de vous rappeler que ce processus a cours chaque année. Par conséquent, si vous voulez vous présenter comme candidat ou si vous connaissez quelqu'un qui y est intéressé, s'il vous plaît contactez le directeur du comité de nomination, actuellement Mary Ruth McDonald, et soumettez une candidature.

## La planification stratégique

En travaillant sur le plan stratégique de la Société canadienne de phytopathologie et en considérant les nombreuses recommandations présentées par le Comité *ad hoc* de la planification stratégique, dirigé par David Kaminski, nous avons noté que le site Web de la Société jouerait un rôle central pour mettre en œuvre plusieurs des recommandations du Comité. Par conséquent, l'amélioration de la page d'accueil du site devient une priorité afin qu'elle héberge adéquatement chaque nouvelle initiative et en facilite le processus. Conséquemment, le conseil d'administration a créé un nouveau comité pour le site Web, actuellement dirigé par Aiming Wang, pour superviser la réorganisation du site en entier. Plusieurs membres se sont portés volontaires pour faire partie de ce

comité et je les en remercie. Aussi, j'invite chacun d'entre vous à vous renseigner sur les comités auxquels vous pourriez vous joindre pour aider la Société. La bonne santé

financière de la Société nous aidera sûrement à aller de l'avant et à lancer de nouvelles initiatives innovantes. En conséquence, il ne tient qu'à vous de formuler de nouvelles suggestions au conseil. Les recommandations émises par le Comité peuvent être consultées et peuvent servir de tremplin à de nouvelles initiatives qui pourraient augurer favorablement de l'avenir de la Société.

## Le Règlement sur les renseignements concernant les substances nouvelles

Environnement Canada et Santé Canada ont collaboré avec CropLife Canada, Agriculture et Agroalimentaire Canada et la SCP à la recherche de solutions de rechange visant à aplanir certains des obstacles posés par la réglementation actuelle relative à l'utilisation d'agents pathogènes au cours d'études sur le terrain. Environnement et Santé Canada ont proposé de tenir des consultations

visant à suggérer des amendements au RRSN. Une consultation plurilatérale a été tenue sur le Web le 21 mars 2013 afin d'obtenir la rétroaction des différentes parties concernées sur les amendements proposés. Un message a été transmis à tous nos membres par notre secrétaire aux adhésions, Khalid Rashid. J'espère que certains d'entre vous ont eu l'occasion d'y participer. Ces efforts continus contribueront, je l'espère, à atténuer certaines des difficultés relatives à la recherche en phytopathologie sur le terrain tout en minimisant les risques pour la santé humaine, la biodiversité et l'environnement. La collaboration de tous ces organismes est encourageante et nous espérons que les résultats qui en découleront seront des plus satisfaisants.

Je vous souhaite donc à tous un printemps superbe, une excellente saison de recherche et j'espère que la majorité d'entre vous se joindront à nous à Edmonton à l'occasion de la 84<sup>e</sup> réunion annuelle de la SCP.



## Committee Reports

### 2013 CPS Awards Committee Report

Nominations for the CPS Awards has closed. The Committee received multiple nominations for Outstanding Research, CPS Fellow, Education Award, Achievements in Plant Disease Management, Student Travel Award, and Student Scholarship Award. A description of the awards can be found in this newsletter. Thank you to all CPS members who took the time to nominate your students and colleagues.

Karen Bailey  
Chair, CPS Awards Committee

### 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
- A letter of support from the senior supervisor outlining the student's research and academic abilities
- A brief (2-page) resume of the student's background and relevant experience
- Academic transcripts inclusive of undergraduate and graduate training

#### **6. Achievements in Plant Disease Management**

This award recognize 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 (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)

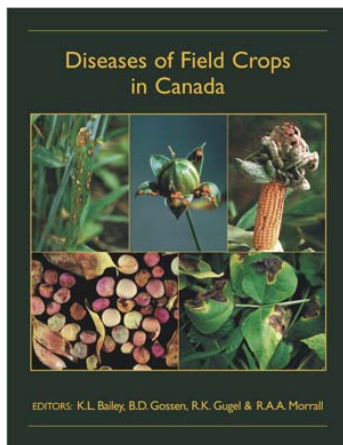
## CPS Information Products Committee Report

March 8, 2013

The book called Diseases and Pest of Vegetables Crops in Canada, which was being sold by the Entomological Society of Canada, is now sold out. Bruce Gossen is leading an initiative to replace DPVCC with a new series of books. The first one underway is called Diseases and Pests of Greenhouse Vegetables being led by Ron Howard. Ron has contacted potential section editors and collators who will in turn contact contributors. This is a timely initiative as a replacement for the earlier book is urgently needed.

The inventory and sales figures for the English edition of Diseases of Field Crops in Canada were good in 2012. There were 638 books netting CPS \$10,771 after commission and freight paid. That leaves us with 1447 book as overhead inventory, which would provide CPS with a 2.5 year supply. The French edition sold 31 copies in 2012. The total sales were \$820 in 2012, \$1067 in 2011, and \$646 in 2010, which are modest but consistent.

Respectfully submitted by  
Karen Bailey,  
Chairperson of Information Products



## Awards

Mary Ruth McDonald, Past- President of CPS, recently received the 2012 Excellence in Extension award from the Faculty Association of the Ontario Agricultural College. The award recognizes achievements outside of the classroom and cited Dr. McDonald's work with vegetable growers in Ontario, other parts of North America and around the world.



## Grad Students at U of Guelph win Awards

Congratulations to Dennis Van Dyk, graduate student in the Department of Plant Agriculture at the University of Guelph, who won First place at the 2013 OFVC Student Poster Competition for his poster entitled "Evaluation of fumigants for control of soil-borne nematode pests in Ontario", authors Dennis Van Dyk and Mary Ruth McDonald. Dennis also received a 2013 Dean's Scholarship Award from the Department of Plant Agriculture.

Congratulations also to Brian Collins, Second place winner of the 2013 OFVC Student Poster Competition, with his poster "Suppression of Fusarium wilt of spinach with biological and chemical controls", authors Brian Collins and Mary Ruth McDonald.



## Announcements



**Canadian Phytopathological Society  
Annual Meeting  
June 16 to 19, 2013  
Matrix Hotel, Edmonton, Alberta, CANADA**

On behalf of the organizers of the 2013 Canadian Phytopathological Society (CPS) annual meeting, we invite you to the 84th Annual Meeting of the CPS to be held June 16-19, 2013 at the Matrix Hotel, 10640-100 Avenue, Edmonton, AB. 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 inter-act, 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.

Presentations and posters at the meeting cover field crops like canola, wheat, barley, and field peas 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. The symposia, and tentative speakers/titles are as follows:

1. **Ergot and Stripe Rust: continuing challenges for Canadian cereal producers**
  - Dr. Jim Menzies, AAFC Winnipeg, An overview of the ergot issue in western Canada: Challenges and solutions
  - Dr. Donal O'Sullivan, National Institute of Agricultural Botany, UK, Ergot resistance and genetic analysis of the early *Claviceps purpurea* – wheat interaction
  - Dr. Xianming Chen, Washington State University, Our current understanding of stripe rust and effective management
  - Dr. Kequan Xi, Alberta Agriculture and Food, Lacombe, Understanding the development and management of stripe rust in central Alberta
2. **Rediscovering fungicides for field crop production – opportunities, issues and potential risks**
  - Mr. Nick Poole, Foundation for Arable Research, New Zealand, The role of fungicides for effective disease management in field crops
  - Mr. Emile de Milliano, Viterra, Fort Saskatchewan, Gaps in our understanding of the practical use of fungicides for effective field crop disease management
  - Dr. Bruce Gossen, AAFC Saskatoon, Fungicide resistance in western Canadian field crop pathogens: risks and solutions

### Abstracts:

Deadline for submission of abstracts is **May 24, 2013**. There is a \$35 fee/abstract for publication of abstracts in the Canadian Journal of Plant Pathology. Abstract fees can be paid at the same time as registration fees on the CPS Annual meeting registration website ([www.etches.com/CPS2013](http://www.etches.com/CPS2013)). Email abstracts to [cps-scp-abstract@agr.gc.ca](mailto:cps-scp-abstract@agr.gc.ca). 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.

## Preliminary meeting schedule overview:

**Sunday evening** – Welcome reception, Matrix Hotel

**Monday morning** – Symposium 1 and potential CPS oral session

**Monday afternoon** – CPS oral and poster sessions

**Tuesday morning** – Symposium 2 and potential CPS oral session

**Tuesday afternoon** – CPS oral and poster sessions

**Tuesday evening** – Banquet BBQ, Devonian Gardens

**Wednesday morning** – CPS oral sessions (CPS sessions may extend to the afternoon in addition to the morning)

## Location of the 2013 CPS meeting and accommodations:

### MATRIX HOTEL

10640 100 Avenue

Edmonton Alberta T5J 3N8

[www.matrixedmonton.com](http://www.matrixedmonton.com)

Email: [information@matrixedmonton.com](mailto:information@matrixedmonton.com)

Toll-free Reservations: 866-465-8150

Direct: 780-429-2861

Contact the hotel directly to book rooms **and mention CPS 2013 for the conference room rates.**

### Room rates for meeting (based on single or double occupancy):

- Deluxe King or Double Room: \$129.00 + tax per night
- Sterling Suite: \$179.00 + tax per night
- Platinum Suite: \$229.00 + tax per night
- A block of rooms are being held at these prices for this meeting until May 15, 2013

**CPS 2013 registration: [www.etches.com/CPS2013](http://www.etches.com/CPS2013)**

Registration includes reception (Sunday evening June 16), banquet (Tuesday evening June 18), and coffee breaks, breakfast, and lunch for Monday and Tuesday, and coffee for Wednesday (June 17-19).

**Early Bird Registration – on or before May 2, 2013;  
Regular Full Registration – after May 2, 2013**

**CPS Member: Early bird - \$450.00, Full registration - \$550.00**

**Non-Member: Early bird - \$550.00, Full registration - \$650.00**

**Student Member: Early bird - \$300.00, Full registration - \$350.00**

**Student non-member: Early bird - \$350.00, Full registration - \$400.00**

**Single Day: Early bird - \$150.00, Full registration - \$175.00**

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.**

## For further information contact:

Kelly Turkington (Chair of Local Arrangement Committee)

Phone: 403-782-8138

Email: [kelly.turkington@agr.gc.ca](mailto:kelly.turkington@agr.gc.ca)

## Statistics workshop: Mixed-model analysis of agricultural experiments

**1:30 - 4:30 pm, June 16th, 2013**  
**Matrix Hotel, Edmonton, Alberta**

The organizers of the 84th Annual Meeting of the Canadian Phytopathological Society (CPS) would like to announce a statistics workshop for meeting attendees that is being held in conjunction with the meeting during the afternoon of **June 16, 2013 at the Matrix Hotel, 10640-100 Avenue, Edmonton, AB.**

Dr. Rong-Cai Yang, Research Scientist, Alberta Agriculture and Rural Development (ARD) & ARD professor, University of Alberta, will be leading a workshop on mixed-model statistical methodologies for CPS meeting attendees. The workshop will be held from 1:30 to 4:30 pm at the Matrix Hotel (room TBA) on June 16, 2013, and is limited to approximately 50 participants. The registration fee for the workshop is \$50.00 and each participant will be provided with handouts consisting of Dr. Yang's PowerPoint presentation as well as the SAS® system code for the case studies being covered during the workshop. Participants will not be provided with a copy of SAS®, but are welcome to bring their own laptops (and fully charged batteries) to try the code that Dr. Yang will be providing during the workshop. Registration and payment for the statistics workshop can be made via the annual meeting website [www.etches.com/CPS2013](http://www.etches.com/CPS2013).

### Workshop Overview:

Mixed-model methodology has been well developed over the past 3 to 4 decades, first with applications to animal breeding and more recently to other disciplines including plant pathology. Data analyses based on mixed models are readily and routinely done with the use of modern statistical software such as the SAS® system. In agronomy and crop research, however, the use of mixed-model analysis has been mostly limited to well-designed experiments with restrictive assumptions that are required by the classic analysis of variance (ANOVA). The power and flexibility of mixed-model analysis makes it possible to analyze elaborate and more complex

experiments which are common in crop research but difficult to be handled by the ANOVA. In this workshop, we will first provide an overview of two SAS® procedures, PROC MIXED and PROC GLIMMIX, that are the main workhorses of mixed-model analysis for normal and non-normal data. We will then have a few case studies to illustrate the use of some advanced features of these SAS® procedures including:

- Best linear biased prediction (BLUP) of random effects;
- Modeling covariance structures for temporally or spatially varying data; and
- Analyzing non-normal data such as percentage or count data as often encountered in agricultural research.

### Brief Bio of Rong-Cai Yang



Rong-Cai Yang obtained his PhD degree in quantitative genetics/plant breeding from the University of Saskatchewan. He is currently a Research Scientist with Alberta Agriculture and Rural Development (ARD) and ARD Professor with the University of Alberta. He has provided high-level advice and mentorship to ARD scientists and their partners on statistical design and analysis of research experiments. Dr. Yang has maintained a very active research program in statistical genomics related to crop and animal improvement. His current research interests and activities include: (i) the development of mixed-model methodology for studying genotype-environment interactions and evaluation of long-term crop variety trials in western Canada; (ii) breeding theory and methodology for self-pollinated crops; (iii) statistical and genetic analyses of large-scale genomic data; and (iv) spatial statistics and its applications to precision agriculture.

## Registration is now open for the 2013 International Clubroot Workshop

This event will be held at the **Delta Edmonton South Hotel and Conference Centre in Edmonton, Alberta, on June 20<sup>th</sup> and 21<sup>st</sup>**, following the 84<sup>th</sup> Annual Meeting of the Canadian Phytopathological Society, and promises to be larger and more grand than previous Clubroot Summits. The 2013 International Clubroot Workshop will bring together a global network of leading researchers and academics to exchange information and research results about all aspects of clubroot. This forum is the culmination of the Clubroot Risk Mitigation Initiative, a successful federally funded research program which brought together leading clubroot researchers in Canada to focus solely on this disease. This meeting will look at the practical challenges encountered with respect to clubroot and the solutions which can be adopted to promote sustainability in canola production.

The first day of this two day workshop will focus on clubroot research from Canada and from around the world. Leading Canadian and international researchers will provide the latest in clubroot research. Day two of the workshop will highlight clubroot management. The morning session will update participants on key research findings and practical applications. The afternoon session will be hands-on learning, encompassing a field tour of a clubroot research facility and a demonstration of equipment sanitization.

The 2013 International Clubroot Workshop will be preceded by an evening wine and cheese reception with poster presentations and followed by a day of touring.

### International Speakers

Dr. Geoffrey Dixon – University of Reading, United Kingdom

Dr. Elke Diederichsen – Institut für Angewandte Genetik, Germany

Dr. Yueqiu He – Yunnan Agricultural University, China

## Special Journal Edition

The 2013 International Clubroot Workshop has partnered with the Canadian Phytopathological Society to publish a Special Edition of the Canadian Journal of Plant Pathology on clubroot research and management.

## Call For Poster Presentations

To register a poster presentation, please email a Curriculum Vitae, a final title and a short abstract to Stephen Strelkov at: [stephen.strelkov@ualberta.ca](mailto:stephen.strelkov@ualberta.ca). Please enter "Abstract for 2013 ICW" in the subject line and submit prior to May 1, 2013. Abstracts received later than this date will not be accepted. The accepted abstracts will be published online in the conference proceedings. Please use this [Abstract Template](#) as the format for your presentation.

For more information and registration, please go directly to the event website at: <http://www.regonline.com/2013icwedmonton>. Links to this site will be established on <http://clubroot.ca> and <http://canolacouncil.org> as well.

### For Information:

Clint Jurke

306-821-2935

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The 2013 International Clubroot Workshop is a culmination of the Clubroot Risk Mitigation Initiative under the patronage of:



**canolacouncil**  
OF CANADA



Agriculture and  
Agri-Food Canada

Agriculture et  
Agroalimentaire Canada

## 105th Meeting of SPPQ/QSP

Réunion annuelle de la  
Société de protection des plantes du Québec/Quebec Society for the Protection of Plants  
(SPPQ/QSP)

5 - 6 juin 2013  
Hôtel Sheraton Four Points  
7900 Rue du Marigot  
Québec, Québec

For more information visit [www.sppq.qc.ca](http://www.sppq.qc.ca)

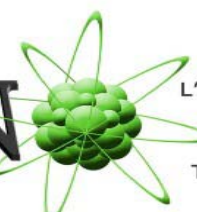


**105e réunion de la SPPQ  
105<sup>th</sup> meeting of QSP**

En collaboration avec  
In collaboration with  
*l'Observatoire québécois sur les  
nanotechnologies dans le  
bioalimentaire*



**5 & 6 juin 2013  
June, 5 & 6<sup>th</sup> 2013**

Hotel Sheraton FourPoints  
7900 rue de Marigot  
Québec (Qc)

**NAN**  L'infiniment petit  
Tiny things

Une solution d'avenir en phytoprotection  
A promising solution in plant protection

[www.sppq.qc.ca](http://www.sppq.qc.ca)



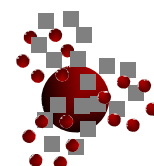
## Programme préliminaire

### Mercredi 5 juin

8 h 00	Accueil
8 h 40	Mot de la Présidente de la SPPQ
8 h 50	Mot de la responsable du congrès
<b>Symposium sur les Nanotechnologies</b>	
9h00	Les nanotechnologies dans le bioalimentaire : le réseautage pour une meilleure compréhension des avantages et des risques <i>France Brunelle, biochimiste, Ph.D.</i> <i>Conseillère scientifique expert en biotechnologie</i> <i>Direction Appui à la recherche et à l'Innovation,</i> <i>Ministère de l'Agriculture, des Pêcheries et de l'Alimentation du Québec</i>
9 h 30	Using nanotechnologies in pesticides, mycotoxin detection and control delivery of nutrients <i>Maria De Rosa, Professeure associée, Ph.D.</i> <i>Département de Chimie et Institut de Biochimie</i> <i>Université Carleton, Ottawa</i>
10 h 15	Pause santé
10 h35	Conférence sur les nanofertilisants (titre à confirmer) <i>Carlos Monreal, Chercheur scientifique, Ph.D.</i> <i>Agriculture et Agroalimentaire Canada, Ottawa</i>
11h15	Nanotechnologies for Crop Protection - Opportunities and Risks <i>Suresh Neethirajan, Assistant Professor, Ph.D., P.Eng</i> <i>Bionanolab, School of Engineering, University of Guelph</i>
12h00	Dîner
13 h30	Conception et fabrication d'un contenant sécuritaire à base de PEHD/Nanoparticules d'argile pour la conservation des semences <i>Abdelaziz Mehamba, Chargé de projets en plasturgie, Ph.D.</i> <i>Centre de technologie minérale et de plasturgie de Thedford Mines</i> <i>et</i> <i>Fabienne Colas, Biologiste,</i> <i>Direction de la Recherche Forestière</i> <i>Ministère des ressources naturelles du Québec</i>
14 h10	Nanocellulose : au service de la protection des pommiers <i>Gérald Chouinard, agronome-entomologiste, PhD,</i> <i>L'Institut de recherche et de développement en agroenvironnement, Québec</i>
14 h 40	Pause
15h00-17h00	Communications étudiantes de 15 min (possibilité de 8) – à déterminer
18 h 00	Cocktail
19 h 00	Banquet

### Jeudi 6 juin

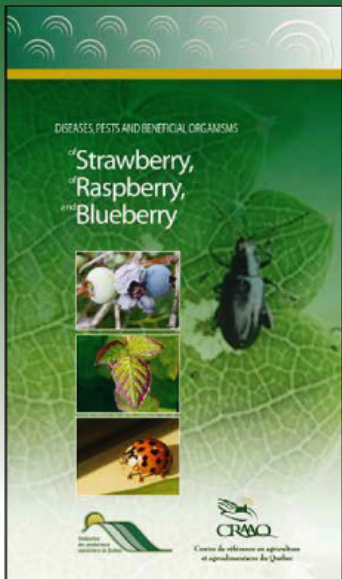
7 h 00-8h30	Petit déjeuner
8 h 00- 10h 00	Assemblée générale annuelle
<b>Présentations des chercheurs et professionnelles</b>	
10 h 00- 12h00	Présentation des professionnels (à déterminer)
12 h 00-13h15	Dîner
13 h 15- 15h00	Présentation des professionnels – suite (à déterminer)
15 h 00	Mot de clôture



## Books...

### *Diseases, Pests and Beneficial Organisms of Strawberry, Raspberry, and Blueberry*

## An essential tool for berry growers and advisers



**This 344 pages pocket guide contains:**

- Description of 126 diseases, pests and beneficial organisms
- Information on symptoms, vital cycles, favorable conditions and best practices
- More than 700 pictures and illustrations

**Acknowledgements to:**

Agriculture, Pêcheries et Alimentation Québec

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418 523-5411 | 1 888 535-2537 | www.craaq.qc.ca | client@craaq.qc.ca

**CRAAQ**  
CULTIVER LE BON BÊTE  
DIFFUSER LE SAVOIR

This field guide features 700 photographs and illustrations to facilitate the monitoring and diagnostic of pest problems of strawberry, raspberry and highbush blueberry. Although the information has particular relevance to the Quebec situation, it should be helpful for growers and advisers of neighboring Provinces or States. It is intended to help to optimally manage pest problems in a sustainable manner. This book includes 126 descriptive entries, as well as more general crop monitoring and diagnostic information, basic concepts relative to certain insects and other organisms that may be present in berry crops, information on the phenological stages of the three types of berry crops, and a glossary.

To order, please visit <http://www.craaq.qc.ca/Publications-du-CRAAQ/diseases-pests-and-beneficial-organisms-of-strawberry-raspberry-and-blueberry/p/PPTF0103>

## Books...

### *Improving Public Health through Mycotoxin Control*

This book from the International Agency for Research on Cancer, the specialized cancer agency of the World Health Organization, aims to sensitize the international community to the mycotoxin problem in a format that is accessible to a wide audience and is useful to decision makers across a broad spectrum of disciplines, including agriculture, public health, marketing, and economics. Dedicated to APS Fellow the late Prof. Wallie Marasas, this involved input from nearly two dozen experts and was drafted by John Pitt (CISIRO; principal editor), Chris Wild (IARC), Ron Riley (USDA), Felicia Wu (U Pittsburg), J. David Miller (Carleton University), and Wenzel Gelderblom (U Stellenbosch).

The intent is to provide reliable information to governments, nongovernmental and international organizations, and the private sector to initiate measures designed to minimize mycotoxin exposure in high-risk populations.

In low-income countries, subsistence or small-scale farmers produce foods for local consumption that may be heavily contaminated with mycotoxins;

these foods are untested; and regulatory controls either do not exist or are not enforced. In low income countries, exposure to mycotoxins at high levels is often closely associated with inequality and poverty.

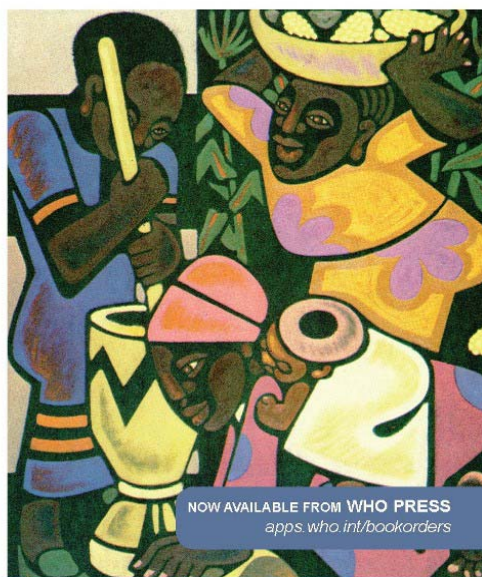
Chapters: Executive summary; Fungi producing significant mycotoxins; Chemical and physical characteristics of the principal mycotoxins; Sampling and sample preparation methods for determining concentrations of mycotoxins in foods and feed; Analysis of mycotoxins; Effects in food-producing animals; Mycotoxins and human health; Risk assessment and risk management of mycotoxins; Economics of mycotoxins: evaluating costs to society and cost-effectiveness of interventions; Practical approaches to control mycotoxins.

Distribution for all IARC Publications is managed by WHO Press:

<http://apps.who.int/bookorders/WHP/detart1.jsp?sesslan=1&codlan=1&codcol=73&codcch=158>.

### IMPROVING PUBLIC HEALTH THROUGH MYCOTOXIN CONTROL

EDITED BY JOHN I. PITT, CHRISTOPHER P. WILD, ROBERT A. BAAN,  
WENTZEL C.A. GELDERBLOM, J. DAVID MILLER, RONALD T. RILEY,  
AND FELICIA WU



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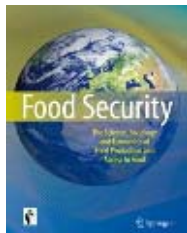


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## International Society for Plant Pathology



### ISPP - International Newsletter on Plant Pathology

News and announcements from all on any aspect of Plant Pathology are invited for the Newsletter. Contributions from the ISPP Executive, Council and Subject Matter Committees, Associated Societies and Supporting Organizations are requested.

**Editor: Brian J Deverall** e-mail:  
[ispp.nl.editor@isppweb.org](mailto:ispp.nl.editor@isppweb.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 43(2) February 2013

In this issue:

- ISPP has Charity Status in the USA
- The 11th International Epidemiology Workshop (IEW11) in Beijing
- New Threats from *Phytophthora infestans* and New Means of Making Late Blight Resistant Potato
- The Future of Banana in Africa
- Bacterial Wilt of Banana - Rwanda: (Eastern Province)
- Sessions and Participants at ICPP2013 on 25-30 August 2013 in Beijing, China
- CTA
- Application Tender for Grant
- ACIAR Impact Assessment
- Climate Change: an Initial Review by the Swiss Agency for Development and Co-operation (SDC)
- Plant Pest Risk Analysis
- 6th International Rice Blast Conference
- Acknowledgements
- Coming events

#### ISPP NEWSLETTER 43(3) March 2013

- Call for Nominations for ISPP Fellowships
- Food Security and Minimizing Postharvest Loss: discussed at the US State Department
- Fusarium Laboratory Workshop
- Unfettered and Frequent Movement of Latent Pathogens across International Borders
- Publications from the CTA
- MycoRed International Conference: Europe 2013 Global Mycotoxin Reduction Strategies
- 4th International Symposium on Tomato Diseases
- 100 years of Naturwissenschaften
- The XVI International Botrytis Symposium
- Post-Genomic Plant Science
- Food Security in Arid Environments
- New Agriculturist (2013-1)
- Articles and Reports in *Chronica Horticulturae* Volume 52 (4) 2012
- Book of Abstracts from the recent and 12th IPVE Symposium in Arusha, Tanzania
- 6th Workshop on Leaf Senescence
- Acknowledgements
- Coming events

#### ISPP NEWSLETTER 43(3) April 2013

- French-Monar Latin American Fund Accepting Applications for Travel to ALF
- Report on the 12th International Plant Virus Epidemiology Symposium
- Ambition to apply Crowdsourcing to the Ash Dieback Disease in the UK
- New African Activities under SARD-SC to Make Cassava Work for the Poor
- A Source of Reproductive Isolation during Speciation in the Ascomycetes
- Listing and Searching of ISPP Newsletters
- 2013 International Clubroot Workshop
- Australian International Food Security Centre (AIFSC)
- Red Blotch Disease, Grapevine - USA: New Virus
- Root and Plant Health Management from a Former ISPP President
- Phytopathology in India
- The Genome of the Dutch Elm Pathogen
- Plant Biosecurity Diagnostics in Australia
- Gates' Grants for Diagnostics helping to Combat Cassava Virus Diseases
- Acknowledgements
- Coming events

## Employment

### Postdoctoral Fellow in Bioinformatics / Computational Biology

The Fernando, Belmonte and deKievit labs at the University of Manitoba, Winnipeg, Manitoba, Canada, are accepting applications from outstanding individuals for a 2-3 year postdoctoral fellowship in the field of computational biology / bioinformatics. The position is available immediately. Candidates should have a PhD in the field of bioinformatics, molecular biology, or applied mathematics, ideally with some experience with biology-related questions. Priority will be given to individuals with expertise in the area of gene expression analysis, preferably RNA seq. The successful candidate will identify genes responsible for canola tolerance to the fungal pathogen *Sclerotinia* in the presence or absence of a biocontrol agent.

Our labs are currently generating RNA sequence data from canola cells, before, during and after the infection process using a plant-fungus-bacterial tripartite system. We are developing new pipelines for next-generation sequencing data analysis. The successful candidate will develop scripts and tools to identify differentially expressed genes in all three biological systems: canola, *Sclerotinia* and *Pseudomonas*. The candidate will work in collaboration with experimental biologists who will test hypotheses generated from the computational analyses. The position requires a highly motivated individual with excellent oral communication and interpersonal skills. If you are interested in our work, please check out the following websites:

<http://scholar.google.ca/citations?user=WOe1q7sAAAAJ&hl=en>

<http://home.cc.umanitoba.ca/~fernando/>

<http://www.bashanfoundation.org/dilantha/dilanthapub.htm>

[http://home.cc.umanitoba.ca/~dekievit/Teri\\_De\\_Kievit/de\\_Kievit\\_lab\\_home.html](http://home.cc.umanitoba.ca/~dekievit/Teri_De_Kievit/de_Kievit_lab_home.html)

Interested candidates should send an updated CV, together with the names of three professional references and a description of their work interests to:

Dr. Mark Belmonte  
Department of Biological Sciences  
University of Manitoba  
[Mark.Belmonte@ad.umanitoba.ca](mailto:Mark.Belmonte@ad.umanitoba.ca)

## Submission Deadline for the June 2013 issue of CPS-SCP News

**PLEASE NOTE:** The submission deadline for the March 2013 issue of CPS - SCP News is **May 24, 2013**. 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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