

# CPS • SCP News



CANADIAN PHYTOPATHOLOGICAL SOCIETY • SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE

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June 2017

## President's Message

Dear CPS members,

This is my last note as president of the CPS! How to start what to tell you?



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

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I feel that I must start this note by expressing my sincere appreciation and congratulations. First, on behalf of all CPS members, I'd like to thank those members of the CPS Executive Board who will be leaving the Board at the June meeting: **Gayle Jespersen**, who did a fantastic job as Secretary for many years; **Brent McCallum**, a dedicated Past-President and always there to help me; and **Khalil Al-Mughrabi**, a committed Senior Director-at-Large. I should not forget those who will continue to serve on the Board: **Denis Gaudet** as incoming President, **Dilantha Fernando** as President-Elect, **Kenneth Conn** as our Treasurer, **Vikram Bisht** as Membership Secretary, and **Maria Antonia Henriquez** as Senior Director-at-Large. These people have made my job a lot easier and have been very patient with me. Also, a warm welcome to new Board Members **Tom Fetch** as Secretary, **Barry Saville** as Vice-President, and **David Joli** as Junior Director-at-Large. I would also like to thank the members of the various committees for their engagement during the past year. A special

thanks to **Coreen Franke** and **Linda Jewell**, Editor and Associate Editor, respectively, of the *CPS News*. Being CPS President was a great and enriching experience and it was nice to do it with such a wonderful group of competent people.

It was a privilege to represent the CPS. However, like many Presidents before me, I feel I didn't have enough time to do everything I wanted! Nevertheless, our fruitful collaboration with Taylor and Francis for the publication of the *Canadian Journal of Plant Pathology* will continue. The CJPP impact factor is increasing and the journal is attracting more and more good papers. A big thank-you to CJPP Editor-in-Chief **Zamir Punja**,

Associate Editor-in-Chief **Stephen Strelkov**, as well as all Section Editors: **James T. Tambon**, **Suha Jabaji**, **Pervaiz A. Abbasi**, **Deena Errampall**, **James G. Menzies**, **Syama Chatterton**, **Richard C. Hamelin**, **Angela Orshinsky**, **Keith A. Seifert**, **Sabine Banniza**, **Thomas G. Fetch, Jr.**, **Stephen Strelkov**, **Tim Xing**, **Fouad Daayf**, **Jie**

**Feng**, **Kenneth L. Conn**, **Pervaiz A. Abbasi**, **Kurtis L. Schroeder**, **Baozhong Meng**, **Xianzhou Nie**, and **Aiming Wang**.

With only a few days left before the CPS Annual Meeting in Winnipeg, I would also like to thank the Local Arrangements Committee, and invite all of you to attend the meeting. The LAC worked hard to put together a very good program,

including motivating workshops and symposiums, and to raise funds!

I am therefore extremely enthusiastic at the prospect of seeing many plant pathologists and agronomists getting together

to discuss many topics of interest related to our disciplines.

Hope to see you all in Winnipeg!

Odile Carisse

***“...the Society is in good financial condition, which permits us to implement new ways to better serve CPS members, to better promote plant pathology, and to increase the visibility of the Society.”***



## Message de la présidente

Voici donc mon dernier message à titre de présidente de la Société canadienne de phytopathologie (SCP)! Par quoi débiter?

Je crois que je dois commencer ce message en exprimant ma sincère reconnaissance et en adressant mes félicitations à bon nombre de personnes. D'abord, au nom de tous les membres de la SCP, je voudrais remercier les membres du conseil d'administration de la Société qui nous quitteront à la fin de la réunion annuelle de juin : **Gayle Jespersion**, qui a accompli un travail fantastique comme

secrétaire, et ce, pendant plusieurs années; **Brent McCallum**, un président sortant engagé qui a toujours été là pour m'aider; et **Khalil Al-Mughrabi**, un directeur principal non désigné des plus impliqués. Je ne devrais pas oublier ceux qui siégeront toujours au conseil d'administration : **Denis Gaudet**, le président désigné; **Dilantha Fernando**, la présidente élue; **Kenneth Conn** notre trésorier; **Vikram Bisht**, le secrétaire aux adhésions; et **Maria Antonia Henriquez**, la directrice principale non désignée. Ces personnes m'ont grandement facilité la tâche et ont su faire

preuve de grande patience à mon égard. Je tiens également à souhaiter la plus chaleureuse des bienvenues aux nouveaux membres du conseil : **Tom Fetch**, à titre de secrétaire; **Barry Saville**, comme vice-président; et **David Joli**, le directeur adjoint non désigné. Je voudrais aussi remercier les membres des divers comités pour leur implication au cours de la dernière année. J'adresse un énorme merci à **Coreen Franke** et à **Linda Jewell**, rédactrice en chef et rédactrice adjointe, respectivement, du *CPS/SCP News*.

D'agir à titre de présidente de la SCP a été pour moi une expérience des plus enrichissantes et cela a été des plus agréables de le faire, entourée d'un merveilleux groupe de personnes aussi compétentes.

Cela a été un privilège pour moi de représenter la SCP. Toutefois, comme plusieurs de mes prédécesseurs, j'ai l'impression que je n'ai pas eu suffisamment de temps pour tout faire ce que je voulais! Néanmoins, la Société se porte bien financièrement, ce qui nous permet de mettre en place de nouvelles façons pour mieux servir nos membres, pour promouvoir plus efficacement la phytopathologie et pour accroître la visibilité de la Société. Notre collaboration fructueuse avec Taylor and Francis pour la publication de la *Revue canadienne de phytopathologie* (RCP) se poursuivra. Le facteur d'impact de la *Revue* est à la hausse et cette dernière attire de plus en plus d'articles de

qualité. Un immense merci au rédacteur en chef de la RCP, **Zamir Punja**; au rédacteur en chef adjoint **Stephen Strelkov** ainsi qu'à tous les rédacteurs des sections : **James T. Tambon**, **Suha Jabaji**, **Pervaiz A. Abbasi**, **Deena Errampall**, **James G. Menzies**, **Syama Chatterton**, **Richard C. Hamelin**, **Angela Orshinsky**, **Keith A. Seifert**, **Sabine Banniza**, **Thomas G. Fetch, Jr.**, **Stephen Strelkov**, **Tim Xing**, **Fouad Daayf**, **Jie Feng**, **Kenneth L. Conn**, **Pervaiz A. Abbasi**, **Kurtis L. Schroeder**, **Baozhong Meng**, **Xianzhou Nie** et **Aiming Wang**.

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***“...la Société se porte bien financièrement, ce qui nous permet de mettre en place de nouvelles façons pour mieux servir nos membres, pour promouvoir plus efficacement la phytopathologie et pour accroître la visibilité de la Société.”***

Avec plus que quelques jours avant la réunion annuelle de la SCP qui se tiendra à Winnipeg, je voudrais aussi remercier le comité organisateur local et je vous invite tous à y assister. Le comité organisateur a travaillé d'arrache-

seulement pour préparer un excellent programme, y compris des ateliers et des symposiums inspirants, mais aussi pour recueillir des fonds!

Je suis par conséquent extrêmement enthousiaste à l'idée de voir de nombreux phytopathologistes et agronomes se réunir pour discuter de nombreux sujets communs à nos deux sphères d'activité.

J'espère tous vous voir à Winnipeg!

Odile Carisse



# COMMITTEE REPORTS

## MEMBERSHIP COMMITTEE

### Membership Report - 2017 May

2017 Membership is for the calendar year January to December, 2017.

The membership number as of May 27, 2017 is 319 (including 15 Sustaining Associates).

### CPS Membership Totals\* 2010 - 2017:

<u>2017 May</u>	<u>2016 June</u>	<u>2015 July Final</u>	<u>2014 June</u>	<u>2013 May</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>
319	334	357	302	359	336	352	363

### 2017 Membership by member type:

There are six invited guest members for this year.

	<i>Emeritus</i>	<i>Regular</i>	<i>Student</i>	<i>Technician</i>	<i>Sustaining Associates</i>	<i>Total</i>
<b>2017 May</b>	<b>49</b>	<b>174 + 6 Guest</b>	<b>45</b>	<b>15</b>	<b>15</b>	<b>319</b>
<i>2016 June</i>	44	199 + 7 Guest	38 + 1 Guest	11	18	336
<i>2015 July</i>	47	227	45	11	18	357
<i>2014 Aug</i>	46	204	36	-	16	302
<i>2013</i>	62	245	33	-	19	359

### 2017 (2016) Membership by Geographic Region:

Canada: **279** (290); US: **21** (20); International: **19** (26).

### New Members (44)

CPS has 44 new members as of May 2017 (32 in 2016). On behalf of the CPS, I would like to extend a warm welcome to the following new Regular, Student and Technician members. Also, we welcome the 6 guest International 1-year members.

#### Regular (21):

Tanya **ARSENEAULT**, Silvia **BARCELLOS ROSA**, Charles **BARNES**, Navid **BAZGHALEH**, Rhodesia **CELOY**, Justine **CORNELSEN**, James **COUPLAND**, Fuyou **FU**, Sanjaya **GAYWALI**, Jerlene **HALLIDAY**, Shivappa **HUKKERI**, Yong Min **KIM**, Genyl **LI**, Genevieve **MARCHAND**, Benjamin **MIMEE**, Enid **PEREZ-LARA**, Subashini **SIVAKUMAR**, Atta **SOLIMAN**, Lipu **WANG**, Michael **WUNSCH**, and Fengqun **YU**.

#### Students (18):

Ibraheem **ALIMI**, Sarah **ALLEN**, Bennett **CRANE**, Dhananjay **DHOKANE**, Mallory **DYCK**, Nicole **FOX**, Nadia **GARMA**, Dianeveys **GONZALEZ-PENA**, Ryan **GOURLIE**, Christine **KEMPTHORNE**, Keiko **NABETANI**, Li **NI**, Upali R. Kamal Bandara **PATHIRANNEHELAGE**, Yulong **PENG**, Stephen **REYNOLDS**, Afsaneh **SEDAGHATKISH**, Dustin **SKRZENTA** and Jocelyn **SMITH**.

Technicians (5):

Preeni **BAWA**, Enamul Md **KABIR**, Jill **LECLAIRE**, Li **LI** and Alain C. **NGANTCHA**

Invited Guest Members (6):

Elia **CHOUEIRI**, Jaspal **KAUR**, Mahsa **KHATAMI**, Lakshman **PRASAD**, Neringa **RASIUKEVIÈIÛTÈ**, and Denny Samuel **SUALANG**

Sustaining Associates have generously supported the CPS in 2017 (15)

Ag-Quest Inc.; Agricultural Certification Services Inc.; BASF Canada; BAYER CropScience; BioVision Seed Labs; Cargill Inc.; CONVIRON, Dow Agrosciences Canada Inc.; E.I. Dupont Canada; FMC Corporation Agricultural Products Group; Monsanto Canada Inc.; OMEX Agriculture Inc; PhytoDiagnostics Co. Ltd.; Pioneer Hi-Bred Production Limited; Syngenta Crop Protection Canada Inc.

**Multi-year Renewals**

*For 5 years = 3, 4 years = 9, 3 years = 15 and 2 years = 11.*

*I seek your help to increase awareness of the benefits of joining CPS and encourage your colleagues and students to join. Feel free to contact me for any further information, Tel: 204-745-0260, or email at [vikram.bisht@gov.mb.ca](mailto:vikram.bisht@gov.mb.ca) .*

**Membership Committee:**

Chairman & Membership Secretary  
Treasurer of CPS  
Regional Rep, Maritimes  
Reg. Rep. Quebec  
Reg. Rep. Eastern Ontario  
Reg. Rep. Western Ontario  
Reg. Rep. Manitoba  
Reg. Rep. Saskatchewan  
Reg. Rep. Alberta  
Reg. Rep. British Columbia

**Vikram Bisht**  
**Ken Conn**  
**Rick Peters**  
**Sylvie Rioux**  
**Miao (Mindy) Liu**  
**Ken Conn**  
**Fouad Daayf**  
**Yu Chen**  
**Syama Chatterton**  
**Vippen Joshi**

***Respectfully submitted, May26, 2017***

***Vikram Bisht***

***Membership Secretary and Chairman of the Membership Committee.***

*While all efforts have been made to have accurate information, there may be some oversight. Please bring that to my notice.*



## AWARDS COMMITTEE

### Report of the CPS Awards Committee, 2016-17

Committee Membership: In 2016 the Awards Committee bid farewell to Dr. Ron Knox and welcomed Dr. Xiben Wang. A big thank you to Dr. Knox for his years of service on the committee. Committee members for 2016-17 were Dr. Michael Harding, Dr. Mary Ruth McDonald, Dr. Tom Fetch, Dr. Syama Chatterton and Dr. Xiben Wang.

Activities of the Awards Committee: A call for applications and nominations for awards was published in the December 2016 edition of the CPS News. An announcement of application deadlines was also provided via e-mail on March 31, 2017. The Awards Committee received a total of nine applications and nominations for five of the Society's award categories. Additionally, 2017 was the second year for the new "Graduate Student Educational Video Award" for which six entries were submitted. After assessment and adjudication, recommendations were provided to the CPS Board. Winners have been notified and will be recognized at the CPS banquet at the annual meeting in June in Winnipeg. A full report of CPS Awards Committee's activities and the Awards presented in 2017 will be provided in the September 2017 issue of CPS News.

Respectfully submitted,  
Michael Harding (Chair)

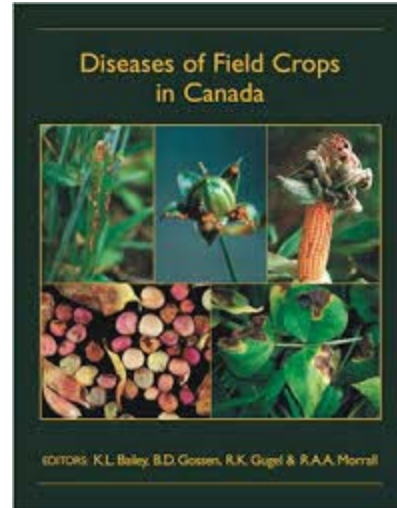
## INFORMATION PRODUCTS MARKETING COMMITTEE

### Report of the Information Products Marketing Committee, 2016-2017

There has been an important development related to *Diseases of Field Crops in Canada* this year. In 2014, 1,500 copies were reprinted to meet short-term demand. At that time, the committee recommended to the CPS Board that *Diseases of Field Crops in Canada* not be reprinted in future, because it was becoming out-dated. However, there hasn't been any progress on a revision, so the Board

approved another reprinting in the spring of 2017, and 2,100 copies were reprinted in June of 2017. Initiation of a revision to DFCC is urgently required.

Respectfully submitted,  
Bruce Gossen (Chair)



## EDUCATION COMMITTEE

### Report of the CPS Education Committee 2016-2017

The committee met in December 2016 to discuss current and planned activities. The committee will continue to work on the CPS Education Award to recognize outstanding plant pathology educational resources. In support of this award, the committee requested an annual budget, an increase in the cash prize and some changes to the scope of the award that were approved by the CPS Board. This will enable the committee to start the nomination process earlier. Some modifications are also proposed to the website to better publicize the CPS Education Award.

In consideration of the previous survey on mentoring, a proposal to develop a mentoring program is under discussion by the committee. Other types of educational awards are also being considered. The committee plans to submit a proposal to the CPS Board on these potential activities/awards for their consideration.

Respectfully submitted,  
Lilian de Luna

## CPS MICROBIAL GENETICS AND CULTURE COLLECTIONS

Not much activity were done on the collection committee excepted some discussion with members last annual meeting.

A message was sent to the member on the CPS news of December to explain the committee and : CPS-SCP News 60 (4) - 145:

“CPS Microbial Genetics and Culture Collections

Dear CPS members,

I am Guillaume Bilodeau, and I am the Chair of the “CPS Microbial Genetics and Culture Collections” Committee. This committee hasn’t been very active in the last few years, and I had initiated some conversations with some of you at the last Annual Meeting in Moncton. I would like to encourage you to contact me if you have any concerns, questions and especially ideas on how the CPS can help with the CPS Microbial Genetics and Culture Collections. I have spoken with some people involved with the

AAFC collection at DAOM, but I would like to get more feedback. A few years ago, some discussion by the Federal Government was initiated with FLIG (Federal Laboratories Integrated Governance) on how to deal with our collection and orphan collections, but I’m sure we are probably dealing with similar issues in Academic, Provincial and some industry collections. Please let me know if you have any comments and if you would be interested in joining me on the committee to see how CPS can work to make sure our Microbial Genetics and Culture Collections are in good shape in Canada. If needed, we can organize a Webex conversation to communicate. I can be contacted at [Guillaume.Bilodeau@inspection.gc.ca](mailto:Guillaume.Bilodeau@inspection.gc.ca)”

So far no comments or ideas have been sent to Dr. Bilodeau.

Respectfully submitted,  
Guillaume Bilodeau (Chair)

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## PEOPLE AND TRAVEL

### Dr. Dilantha Fernando speaks at AIC Annual Conference

**Professor Dilantha Fernando**, University of Manitoba was invited to give a talk at the Agricultural Institute of Canada’s annual conference held in Winnipeg from April 24-27. The theme of the conference was “Agricultural Innovation in a Changing Environment”. The conference is meant to foster important discussions among policy makers, industry stakeholders, entrepreneurs and the research community about

agriculture’s impact on the environment in a changing climate. AIC 2017 also showcased world-class innovative research taking place across Canada and explore how green growth in the sector can build on a strong scientific, evidence-based foundation. Dilantha’s presentation was titled, “Shaping a path forward: Innovative environmentally-friendly methods to manage diseases of field crops”.



## ANNOUNCEMENTS



### **International Congress of Plant Pathology (ICPP) 2018: Plant Health in A Global Economy**

Leading experts from around the world will present the latest advances and innovations, celebrate progress, and set a vision for assuring plant health in a global economy. The vision of the Congress – An engaged world community of plant health scientists advancing knowledge for a safe, affordable, secure supply of food, feed, and fiber for a growing population – reflects the broad and unique position plant pathology holds within the international community of scientists.

The meeting program will highlight the latest information on:

- Trade regulations
- Sustainable production
- The global spread of pathogens
- Innovations in pathogen detection
- Environmental protection for a growing population
- Agricultural systems for the future
- The impact of plant industries on the world economy

American  
Phytopathological  
Society



International Society  
on Plant Pathology



## PLANT PATHOLOGY IN INDUSTRY

### Request for Fungal Isolates



Dear CPS members,

The editorial team has kindly allowed me to send out a note in the CPS newsletter in order to reach out to the plant phytopathological society.

**Terramera**, a Vancouver-based ag-bio technology company, is developing safe and effective bioproducts that improve our quality of life by harnessing the power of nature.

Our company is committed to developing sustainable plant-based pest and disease control solutions that cultivate healthy homes and plants. We aim to make organic food and sustainable farming more productive and abundant.

As part of our disease control research program, we are looking to obtain fungal isolates that are showing reduced sensitivity, tolerance or resistance to chemical fungicides. If you are in possession of fungal isolates that you would be willing to share with our company please contact me, [jonatan.montpetit@terramera.com](mailto:jonatan.montpetit@terramera.com).

Thank you for your time. For more information, please visit our website, [www.terramera.com](http://www.terramera.com).

Jonatan Montpetit  
*Plant Physiologist*  
Terramera



## New Labeling System for Blackleg Resistant Canola

### R-Gene Identification for Blackleg Resistance in Canadian Canola

Following a series of consultative meetings, the canola industry – encompassing life science companies, producer associations and researchers – took a step forward in helping to manage and mitigate blackleg in Canadian canola fields. The decision was made to incorporate new blackleg resistance labels on varieties. These labels will provide greater detail on a given variety's resistance package for blackleg management. Similar models of labeling have been used successfully in other canola growing regions around the world to help ensure resistance effectiveness, and recommend varieties to use in severely infected fields. Current labels for blackleg are based on field ratings of blackleg in comparison to a susceptible variety (Westar) for blackleg. Typically only Resistant "R" (0-29.9% of Westar) and Moderately Resistant "MR" (30-49.9% of Westar) are on the market. In recent years, some growers have noticed increased blackleg severity in their "R" and "MR" varieties. This is where the addition of more detailed labels will help to provide more accurate information.

Using the same disease resistance genetics over and over causes a shift in pathogen population, which can then overcome the resistance in our varieties – similar to herbicide resistance in weeds. Knowing the resistance genetics used in previous years will allow growers to rotate to a different resistance gene and reduce the blackleg infection within a field. As many as 10 new blackleg resistance labels will be applied to varieties in the coming years. They will use these letters A, B, C, D, E•, E, F, G, H, X to identify major resistance genes present.

### How to use the labels

Blackleg management starts with scouting and identifying the disease on the previous canola crop's stubble. If a grower has a rotation break longer than two years without canola, and has been growing "R" rated varieties, the risk of severe blackleg infection is minimal. But if a grower uses a tighter canola rotation and the disease is present and/or severe, the new additional label will come into play.

Picking an "R" rated variety with at least one different resistance gene group than what was used previously will help to provide protection from the aggressive, new virulent blackleg race(s) within the field. In those cases where the disease is not present/evident in the field, then changing resistance groups would not be necessary.

The most effective means for reducing blackleg disease is reducing inoculum or spore production in a field. This is accomplished by lengthening the break between canola crops in a field. But spores can also migrate from adjacent fields. Under these circumstances, using a canola variety with a different resistance gene can be very beneficial in protecting the field and reducing blackleg disease. In conclusion, the most important step is to scout for disease. If you do not have blackleg, choose varieties with the highest probability of profitability and reduced production risk on your farm. If you do have blackleg disease that is increasing, use the tools available to manage and reduce the disease. Switching to varieties with a different resistance gene(s) is one tool.



**Blackleg canker.**

*Credit: Gregory Sekulic, CCC*

Here are some examples of how the new label will work:

**1. Variety alpha: R (BC)**

The traditional “R” rating means average field performance of blackleg resistance was below 30% of Westar, the susceptible check. The additional “(BC)” designation means the variety contains the resistance genes Rlm2 and Rlm3.

**2. Variety beta: MR (A)**

The traditional “MR” means average field performance of blackleg resistance was 30-49.9% of Westar check. The additional “(A)” means it contains the resistance gene LepR3 or Rlm1.

**3. Variety Charlie: R (CX)**

As an “R” rated variety, average field performance of blackleg resistance was below 30% of Westar check. “(CX)” means it contains the resistance gene Rlm3 and an unidentified major resistance gene.

**Reminder:** The use of blackleg R-gene labels is a voluntarily process for seed companies to include on their varieties. The industry is committed to providing the best genetics and advice to producers, so it will take some time to effectively deploy and incorporate these labels. Talk with your Canola Council of Canada agronomist for more information. All of this information will available at [www.blackleg.ca](http://www.blackleg.ca).



## PUBLICATIONS

### ISPP - International Newsletter on Plant Pathology



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

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

**Editor: Daniel Huberli**

e-mail: [ispp.nl.editor@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 47 (4) April 2017

In this issue:

- Deadline for nominations for the ISPP Executive changed to 20 April 2017
- International Congress of Plant Pathology ICPP2018 program update
- ISPP Global Crop Loss Survey: An overview of results
- Janaki Ammal is the reason your sugar tastes sweeter
- Plant Pathology in the 21st Century ISPP and Springer book series
- Plasma prevents food from spoiling
- Milton Zaitlin (1927 - 2016)
- IV International Symposium on Postharvest Pathology - draft programme available
- Science Protecting Plant Health 2017 - speakers list

- Royal rivalry over the safety of GM farming fuel letters to Editor
- *Phytophthora cinnamomi* A1: An ancient resident of New Guinea and Australia
- Genetically engineered potatoes approved for planting
- Novel virus breaks barriers between incompatible fungi
- Estimate iPad app
- Acknowledgements
- Coming events

### ISPP Newsletter 47 (5) May 2017

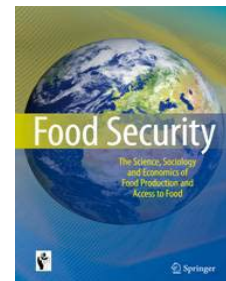
In this issue:

- Raindrops make soil bacteria take off and fly through air
- Drought-quenching bacteria protect plants from climate stress
- Healthy soil is the real key to feeding the world
- A 'bionic leaf' - the next green revolution
- IV International Symposium on Postharvest Pathology, 28 May - 2 June 2017
- 3rd International Conference on Global Food Security, 3-6 December 2017
- Practical Tools for Plant and Food Biosecurity - new book
- Special issue on 'Microbial Local Adaption' in *Molecular Ecology*
- New Phytologist's top-cited papers of 2016
- Myrtle rust confirmed on New Zealand christmas bush on Raoul Island
- New global guidelines for international exchange of plant material and seeds
- Cassava viruses cause Tanzania \$50m in yearly losses
- Plant roots use sound to find sources of water
- A major advance in characterising downy mildew resistance genes in sunflower
- Modified corn fights fungus with "Trojan horse" RNA
- Key mechanism in the plant defense against fungal infections discovered
- Nematodes in cropping systems: identification and techniques workshop, Fiji, 2017
- Acknowledgements
- Coming events

### ISPP Newsletter 47 (6) June 2017

In this issue:

- Important Notice to ISPP Councillors - ISPP Executive 2018-2023 Elections
- Vale: Ronald Wood (1919-2017)
- Challenge of Change Commission
- State of the World's Plants 2017 report
- Springer celebrating the Fascination of Plants Day
- Global Seed Vault threatened by climate change
- Plant disease patterns offer clues about climate change
- Online Pest Risk Atlas for Africa to combat climate change effects on pest management
- Australia leads international efforts to protect vital domestic industries from deadly plant pest
- Popular articles in the *Journal of General Plant Pathology*
- Plants help out their neighbours
- Mushroom Max: Meet the 11-year-old budding mycologist
- Deciphering plant immunity against nematodes
- New disease resistant banana varieties to Black Sigatoka
- Change the world, one article at a time
- How the sense of smell works in bacteria
- Journals that publish whatever you want
- Acknowledgements
- Coming events



# EMPLOYMENT

## Employment Opportunity

### POST-DOCTORAL RESEARCH ASSOCIATE

#### JOB PURPOSE:

Assist in the establishment and maintenance of field, greenhouse, and potato storage research and demonstration plots related to potato diseases. The research associate will be involved in experimental design of research trials, data collection, analyses, and manuscript and report preparation as well as carrying out laboratory work.

#### KEY WORK ACTIVITIES:

- Assist in potato disease research trails in the field, laboratory and storage.
- Design, prepare, conduct, and maintain research plots.
- Apply pesticides and other disease control products.
- Collect and analyze data, and prepare reports summarizing results.
- Prepare manuscripts and PowerPoint presentations.
- Prepare computer searches on various subjects related to potato diseases.
- Assist in the preparation of potato disease fact sheets, research proposals, etc.
- Co-supervise summer or casual students.

#### EMPLOYMENT REQUIREMENTS:

- Ph.D. in Plant Pathology or microbiology or related field.
- Experience in potato research (field, laboratory, and storage).
- Experience in laboratory techniques such as plant pathology, tissue culture, and microbiology. Working knowledge in molecular-based techniques is also required.
- Knowledge in experimental design, statistics, data handling and analysis.
- Hands-on experience in applying pesticides under field, laboratory, and potato storages settings.
- Demonstrated ability to write research proposals, prepare scientific presentations, and publish manuscripts in scientific journals.
- Drivers' license.
- Pesticide Applicators Certificate.

**DURATION:** One year with the possibility of renewal pending funding availability.

**WORK LOCATION:** Potato Development Centre, Department of Agriculture and Aquaculture, Wicklow, New Brunswick, Canada.

**Application Deadline:** 15 June 2017 (or until position is filled).

#### HOW TO APPLY:

Send your resume along with a covering letter via e-mail to: [khalil.al-mughrabi@gnb.ca](mailto:khalil.al-mughrabi@gnb.ca)

#### Contact:

Dr. Khalil Al-Mughrabi  
Potato Development Centre  
Department of Agriculture and Aquaculture  
Wicklow, New Brunswick, Canada E7L 3S4  
Tel: (506) 392-5199  
E-mail: [khalil.al-mughrabi@gnb.ca](mailto:khalil.al-mughrabi@gnb.ca)

Canadian  
Phytopathological  
Society



La Société  
Canadienne de  
Phytopathologie

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

**PLEASE NOTE:** The submission deadline for the September 2017 issue of CPS - SCP News is **August 25, 2017**. If you send photographs for publication in the CPS-SCP News, please ensure that you indicate that all individuals appearing in the photographs have given permission for their photographs to appear in the newsletter. Photographs will not be published if permission has not been obtained from the individuals involved.



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