

CPS • SCP News



CANADIAN PHYTOPATHOLOGICAL SOCIETY • SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE

VOL. 69, NO. 2

<http://phytopath.ca>

June 2025

Message from the Executive Board of the CPS

Greetings CPS Members,

From coast to coast to coast in our beautiful country, summer is arriving! Leaves have emerged, flowers are blooming, and crops are being planted – and of course, plant pathologists are hard at work finding new and better ways to identify and fight back against both emerging and long-familiar plant pathogens.

Speaking of plant pathogens both old and new, the 4th edition of *Diseases of Field Crops in Canada* is now available for order! The revised edition has over 700 colour photos and 33% more content than the previous version. This new edition would not have been possible without the hard work of many dedicated CPS members, especially editors **Bruce Gossen**, **Syama Chatterton**, and **Michael Harding**, over the past several years. Please see the announcement in this issue of the News for details about how to get your copy!

If you have been on the CPS's website (www.phytopath.ca) recently, you have seen

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that our website's refreshed version is now live! Thanks to the hard work of our website editor, **Michael Holtz**, our society's website has been extensively modernized, offering improved functionality on mobile devices and with substantial improvements behind the scenes to streamline payment.

Under the "About" section of the CPS website, you'll now find a newly added

section entitled "Bringing Our History Alive"

by **Denis Gaudet**. This

valuable resource highlights the early history of the CPS, profiles Canadian pioneers in plant pathology and mycology, and

compiles In Memoriam notices published in CJPP from 1979 to the present. Special thanks to Denis Gaudet for compiling this important historical record, and to **Erika Dort**, a Ph.D. student at UBC, for her assistance in preparing some of the content. The idea to make this information available online was originally suggested by **Zamir Punja** two years ago, and it's exciting to see this milestone now reached. If you have any suggestions or further additions, please contact Denis Gaudet.

We are looking forward to seeing you at the 2025 Annual Meeting in Vancouver, which will be a joint meeting with the 17th International Cereal Rusts and Powdery Mildew Conference. The detailed program agenda is now available on the conference website (<https://icrpmmc2025.ca/>). The meeting co-chairs **Gurcharn Singh Brar**, **Colin Hiebert**, and **Richard Hamelin**, the scientific committee **Ana Badea**, **Xianming Chen**, **Miao Liu**, **Matthew Moscou**, **Curtis Pozniak**, and **Harpinder Randhawa**, CPS representatives **Guillaume Bilodeau**, **Maria Antonia Henriquez**, **Michelle Hubbard**, and **Tom Fetch**, and the local organizing committee **Mehrdad Abbasi**, **Bipan Biran**, **Prabhjot Chahal**, **Sharandeep Dhaliwal**, **Jujhar Gill**, and **Samuel Holden** have all been working hard to prepare for this major

event. With over 200 attendees, 73 oral presentations, and over 120 posters, this

meeting is sure to be engaging, informative, and fun. We hope that all of you who have the opportunity to attend in person will join

in on some of the key events happening alongside the excellent scientific program:

- Sunday, June 15 at 1 PM: CPS Workshop, "Identification of Rust Fungal Species Using Metabarcoding and AODP", organized by Wen Chen, Maria Antonia Henriquez, and Samuel Holden, and led and facilitated by Samuel Holden, David Kim, Sean Formby, Brian Duarte, and Rajdeep Khangura. Registration is required – please visit <https://phytopath.ca/events/cps-annual-meeting-2025/>
- Sunday, June 15 at 6 PM: the CPS Welcome Reception will be held, and some of the CPS's awards will be distributed
- Monday, June 16 at 11:50 AM: the CPS Annual Meeting of Members (AMOM) will be held. Please make the time to attend!
- Tuesday, June 17 at 7 PM: student social event
- Wednesday, June 18 at 6:30 PM: a joint banquet will be held for attendees of both the CPS annual meeting and ICRPMC. Please join us for a fun evening where additional award winners will be recognized.

As many of us prepare for a busy summer in the field, we would like to wish all of you a wonderful summer. We hope that all of you will take some time to enjoy the nice weather with your friends and family!

Warm regards,

The Executive Board of the CPS



"[T]he 4th edition of Diseases of Field Crops in Canada is now available for order... Please see the announcement in this issue of the News for details about how to get your copy!"

Message du conseil d'administration de la SCP

Salutations à tous les membres de la SCP,

D'un océan à l'autre de notre beau pays, l'été s'installe! Les feuilles bourgeonnent, les fleurs éclosent et l'on plante les cultures — et, bien sûr, les phytopathologistes sont à pied d'œuvre afin de trouver de nouvelles façons plus efficaces d'identifier et de combattre les agents phytopathogènes à la fois émergents et connus de longue date.

En ce qui concerne ces derniers, vous pouvez dès maintenant commander la 4e édition de *Maladies des grandes cultures au Canada*! L'édition révisée contient plus de 700 photos en couleur et 33 % de contenu supplémentaire

par rapport à la version

précédente.

Cette nouvelle édition n'aurait pas été possible sans le travail acharné, au cours des

dernières années, de nombreux membres dévoués de la SCP, spécialement des éditeurs scientifiques **Bruce Gossen**, **Syama Chatterton** et **Michael Harding**. Veuillez consulter l'annonce dans ce numéro du CPS/SCP News pour savoir comment vous procurer votre exemplaire!

Si vous avez consulté le site Web de la SCP (www.phytopath.ca) dernièrement, vous vous êtes rendu compte que sa version actualisée est maintenant en ligne! Merci à

Michael Holtz, rédacteur en chef du site Web, pour son travail formidable. Grâce à lui, le site de notre société a été modernisé en profondeur, offrant une meilleure fonctionnalité sur les appareils mobiles, y compris des améliorations apportées à l'interface, qui ont permis de rationaliser les paiements.

Dans la rubrique « À propos » du site Web, vous trouverez une nouvelle section intitulée « Ravivons notre histoire » par **Denis Gaudet**. Cette précieuse ressource met en lumière l'histoire des débuts de la SCP, présente les pionniers de la phytologie et de la mycologie au Canada et compile les avis

« En souvenir de » publiés dans la RCP de 1979 à aujourd'hui. Un merci tout spécial à Denis Gaudet pour avoir compilé cet important dossier

«[V]ous pouvez dès maintenant commander la 4e édition de *Maladies des grandes cultures au Canada*... Veuillez consulter l'annonce dans ce numéro du CPS/SCP News pour savoir comment vous procurer votre exemplaire!»

historique ainsi qu'à **Erika Dort**, doctorante à l'UBC, pour son aide dans la préparation de certains contenus. L'idée de mettre en ligne cette information a été soumise par **Zamir Punja** il y a deux ans, et c'est fascinant de voir que cette étape a déjà été franchie. Si vous avez quelque suggestion que ce soit ou des ajouts, s'il vous plaît, contactez Denis Gaudet.

Nous espérons vous accueillir à la réunion annuelle de 2025 qui se tiendra à

Vancouver, et ce, conjointement avec le 17^e Congrès international sur la rouille des céréales et l'oïdium. Vous pouvez déjà en consulter le programme détaillé sur le site du Congrès (<https://icrpmmc2025.ca/>). Les coprésidents de la réunion, **Gurcharn Singh Brar, Colin Hiebert et Richard Hamelin**, les membres du comité scientifique, **Ana Badea, Xianming Chen, Miao Liu, Matthew Moscou, Curtis Pozniak et Harpinder Randhawa**, les représentants de la SCP, **Guillaume Bilodeau, Maria Antonia Henriquez, Michelle Hubbard et Tom Fetch**, ainsi que le comité organisateur local, composé de **Mehrdad Abbasi, Bipan Biran, Prabhjot Chahal, Sharandeep Dhaliwal, Jujhar Gill et Samuel Holden**, ont tous travaillé très fort pour se préparer à cet événement majeur. Avec plus de 200 participants, 73 présentations orales et plus de 120 affiches, cette réunion sera pour le moins intéressante, informative et amusante. Nous espérons que tous ceux d'entre vous qui auront l'occasion d'y assister en personne participeront à certains des événements clés qui se dérouleront parallèlement au programme scientifique :

- Dimanche, 15 juin à 13 h : Atelier de la SCP « Identification d'espèces de rouilles fongiques par métacodage à barres et PACO », organisé par Wen Chen, Maria

Antonia Henriquez et Samuel Holden, sous la conduite de Samuel Holden, David Kim, Sean Formby, Brian Duarte et Rajdeep Khangura. Inscription requise — s'il vous plaît, consultez le site suivant : <https://phytopath.ca/events/cps-annual-meeting-2025/>;

Dimanche, 15 juin à 18 h : Tenue de la réception de bienvenue de la SCP et distribution de certains de ses prix;

Lundi, 16 juin à 11 h 50 : Tenue de l'assemblée annuelle des membres. S'il vous plaît, prenez le temps d'y assister!

Mardi, 17 juin à 19 h : Événement social pour les étudiants;

Mercredi, 18 juin à 18 h 30 : Banquet commun organisé pour les participants à la réunion annuelle de la SCP et au CIRCO. Joignez-vous à nous pour une soirée amusante au cours de laquelle d'autres lauréats seront récompensés.

Alors que plusieurs d'entre nous se préparent pour un été occupé sur le terrain, nous désirons souhaiter à tous un merveilleux été. Nous espérons que certains prendront le temps de profiter du doux temps avec famille et amis!

Meilleures salutations,

Le conseil d'administration de la SCP



Society Business

Canadian Plant Disease Survey Annual Report 2024

In 2024, 45 papers were published in Volume 104 of the Canadian Plant Disease Survey (CPDS) covering the 2023 crop season, the same number as in 2023. The survey comprised 10 Diagnostic Lab, 15 Cereal, 19 Oilseed, and one Vegetable crop report. Vol. 104 was published online on August 2, 2024 at

<https://www.tandfonline.com/doi/full/10.1080/07060661.2024.2363032>

A greater number of submissions have been made to the current 2025 survey, mainly due to inclusion of some Saskatchewan lab and cereal disease reports from the 2019 to 2022 seasons. This issue, Vol. 105, covering the 2024 crop season, was submitted to the publisher on May 15 and is expected to be published online in July 2025.

Since we began publishing as an annual supplement to the CJPP in 2019, each issue of the CPDS has averaged about 2500 views per year for the first two years, gradually tapering off to 500-1000 views in subsequent years. At the time of this report, the 2024 issue has had 2825 views and the 2023 issue 5006 views. As per the terms of a new contract agreement with Taylor and Francis in 2023, the 2024 CPDS was published on a “Gold Open Access” basis, at no charge to the society.

For the last few years, with the help of Paolo Pitari, an experienced publication editor at Taylor and Francis, we have achieved a publication date in July-August. Each spring, the Oilseed and Pulse section is sent separately to users by the National Editor so that timely information on diseases can be shared and utilized by the industry.

Editorial Updates:

- I'm very happy to report that, starting with the 2025 issue, Dennis Van Dyk, a vegetable crop specialist with OMAFRA, has accepted the position of Section Editor for Vegetable and Potato crops, which had been vacant since September 2022. Thank you to everyone who volunteered and welcome, Dennis.
- Other Section Editors remain the same as before : Manika Pradhan - Diagnostic Labs, Reem Aboukhaddour - Cereals, Syama Chatterton - Oilseed, Pulse, Forage and Specialty, Siva Sabaratnam - Fruit, Berry, Nut, Turf and Ornamentals, and Jean Bérubé - Forestry.
- 2025 will be my 9th year as National Editor. After one more year (2026), I'm hoping to hand the job over to someone else. Please keep this in mind, if you think you may want to take on the position and if you have any questions, please feel free to email me.
- Many thanks, as always, to our authors, section editors, compiler Meghan Masson, and the hard-working production editors and typesetters at Taylor and Francis, who help to ensure

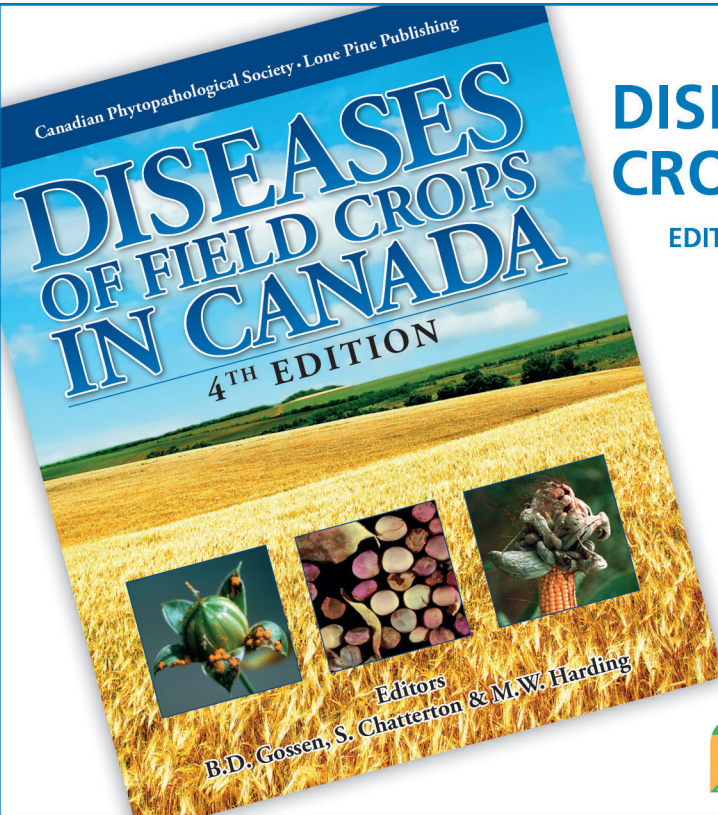
that the CPDS continues to be an important and relevant publication for plant disease management in Canada.

Respectfully submitted by:
Dr. Janice Elmhirst,
National Editor, Canadian Plant Disease Survey
May 16, 2025



Announcements

Diseases of Field Crops in Canada: Available for Order Now!



Canadian Phytopathological Society • Lone Pine Publishing

DISEASES OF FIELD CROPS IN CANADA

4TH EDITION

Editors
B.D. Gossen, S. Chatterton & M.W. Harding



NEW (4TH EDITION)

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People

Congratulations to Aaron Brinkman!

Congratulations to Aaron Brinkman on successfully defending his M.Sc. thesis at the University of Alberta on February 24, 2025. His thesis, titled “Cultivar mixtures for the management of *Plasmodiophora brassicae* in canola,” examined a novel approach for the management of this disease.

Aaron completed his B.Sc. in in Agronomy, Crop, and Soil Science at Brigham Young University – Idaho. In 2022, he chose to pursue a graduate degree in plant pathology under the co-supervision of Drs. Stephen Strelkov and Sheau-Fang Hwang. Since the completion of his Master’s, Aaron has been working with Corteva Agriscience.

Submitted by Stephen Strelkov and Sheau-Fang Hwang



Aaron (second from left) with his supervisory committee: **Stephen Strelkov** (far right), **Sheau-Fang Hwang** (second from right), and **Andrea Botero-Ramírez** from MacEwan University in Edmonton (left). Congratulations to Aaron on successfully defending his M.Sc.



Congratulations to Keisha Hollman!

Congratulations to Keisha Hollman on the successful defense of her Ph.D. thesis at the University of Alberta on March 3, 2025. Her thesis, titled “Assessment of *Plasmodiophora brassicae* pathotypes and virulence on canola in western Canada,” which was focused on the proliferation of new pathotypes of the clubroot pathotypes from this region. Keisha was co-supervised by Drs. Stephen Strelkov and Sheau-Fang Hwang and previously earned her M.Sc. from the University of Alberta in 2021.

Keisha is passionate about engaging with producers and other scientists in the agriculture industry. During her time in graduate school, she has served as the primary instructor for two undergraduate plant science courses at the University of Alberta, including Integrated Crop Protection and Cereal, Oilseed, and Pulse Crops. Keisha is now the Research Project Manager for Alberta Grains, a role she assumed in the summer of 2024, where she applies her academic and practical experience to fund research that will have tangible and long-term benefits to Alberta Wheat and Barley producers.

Submitted by Stephen Strelkov and Sheau-Fang Hwang



Keisha Hollman (second from right) with her co-supervisors, **Stephen Strelkov** (far right) and **Sheau-Fang Hwang** (third from right), supervisory committee member **Rudolph Fredua-Agyeman** (third from left), **Gavin Chen** (Chair for the defence, far left) and **Tariq Siddique** (University Examiner, second from left). **Dr. Małgorzata Jędryczka** (not pictured), from the Polish Academy of Sciences, served as Keisha's External Examiner but participated via Zoom.



Young Scientists' Corner

Karla Yajania Flores Carrera

University of Alberta



I am Panamanian and 25 years old. I hold a Bachelor's degree in Biology with an emphasis in Microbiology from the Universidad Autónoma de Chiriquí, Panama (2022). From an early age, I was motivated to understand the phytosanitary challenges faced by Panama's agricultural sector—a country with a strong agro-productive tradition, where crops such as legumes, tubers, and vegetables are commonly cultivated and often experience significant economic losses due to plant diseases.

During my undergraduate studies, I conducted my thesis on soft rot in potato tubers (*Solanum tuberosum* L.), a disease that caused considerable damage in the highland region of Chiriquí. The research, titled "*Identificación de bacterias patógenas de tubérculos de papa con síntomas de pudrición blanda*", led to the identification of *Klebsiella* and *Enterobacter* as pathogenic bacteria involved in the

development of the disease.

Driven by the need to provide sustainable solutions to agricultural problems, I was awarded a scholarship in 2022 by Panama's National Secretariat of Science, Technology and Innovation (SENACYT). With this support, I traveled to Canada in 2023 to strengthen my English proficiency, and in 2024 I began a Master of Science (MSc) degree under the supervision of Dr. Stephen Strelkov in the Department of Agricultural, Food and Nutritional Science at the University of Alberta.

My current research focuses on the study of *Verticillium* stripe in canola and encompasses the following objectives:

- To evaluate resistance to *Verticillium* stripe in a collection of *Brassica* host genotypes.
- To characterize the effect of pH on *Verticillium longisporum*, both *in vitro* and *in planta*.
- To assess bacterial strains as potential biocontrol agents for the management of *Verticillium* stripe, through *in vitro* and *in planta* assays.

Throughout this academic journey, I have acquired valuable competencies in plant disease diagnostics, the design of *in vitro* and *in planta* experiments, statistical analysis applied to plant health, and strategies related to Integrated Crop Protection. These tools have strengthened my commitment to advancing a more resilient and sustainable agriculture grounded in scientific evidence, particularly in vulnerable regions such as Latin America, and have better prepared me to address current challenges in the agricultural sector.



Publications

ISPP - International Newsletter on Plant Pathology



The International Society for Plant Pathology promotes the world-wide development of plant pathology and the dissemination of knowledge about plant diseases and plant health management. News and announcements from all on any aspect of Plant Pathology are invited for the Newsletter.

Editor: Daniel Huberli

e-mail: ispp.nl.editor@isspweb.org

Members of Associated Societies of ISPP can receive e-mail notification of Newsletter updates by joining the ISPP mail list.

<http://www.isppweb.org/newsletter.asp>

ISPP Newsletter 55 (4) April 2025

- ISPP endorses ALLEA Statement on Threats to Academic Freedom and International Research Collaboration in the United States
- Voices from the Frontlines: The Impact of Disruptions in U.S. Science
- Effective evaluation methods for biocontrol agents and biostimulants against phytopathogenic fungi relevant for various cropping systems A pangenome analysis reveals the center of origin and evolutionary history of *Phytophthora infestans* and 1c clade species
- Protecting crops: Researchers open up new avenue to combat a widespread plant virus
- International summer school on “Plant Pathogenomics for Sustainable Future Food,” 23-27 June 2025
- From laboratory to laptop: How science communication can bridge the gap between plant pathology and the public
- GetGenome Newsletter
- Blueberries Beware: Powdery Mildew Spreading Across the Globe
- Researchers explore breakthrough approach to combat devastating citrus greening disease
- Current Vacancies
- Acknowledgements
- Coming Events

ISPP Newsletter 55 (5) May 2025

- 12 May is International Day of Plant Health
- Review of the 11th PPPHI Symposium: Focus on Biocontrol
- Hidden signals in water reveal disease early in tomato plants
- Solo or in Concert: SUMOylation in Pathogenic Fungi
- A chemical radar allows bacteria to detect and kill predators
- Scientists closer to engineering more resilient food crops
- Scientists uncover novel immune mechanism in wheat tandem kinase
- Circadian clock is critical for fungal pathogenesis by regulating zinc starvation response and secondary metabolism
- Triggering parasitic plant 'suicide' to help farmers
- Research reveals the underground 'traffic' between fungi and plants
- Scientists decode citrus greening resistance and develop Alassisted treatment
- Current Vacancies
- Acknowledgements
- Coming Events

ISPP Newsletter 55 (6) June 2025

- Obituary Charles J Delp, 1927 – 2025
- Roundtable “A winding road to biopesticides registration: bottlenecks and opportunities” - IOBC meeting, Torino, 12 June, 16.30-18.30 CET
- International Symposium on Plant Pathogenic Sclerotiniaceae
- Integrated disease management, adaptation and genomics of fungal plant pathogens in cropping systems
- Exploited mutualism: the reciprocal effects of plant parasitic nematodes on the mechanisms underpinning plant–mutualist interactions
- How bacteria subvert plant immunity
- Congratulations Dame Alison Stewart
- Report of the Polish Phytopathological Society Conference, September 2024
- Social media in plant pathology: Considerations on their role and possible applications
- Current Vacancies
- 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.

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Submission Deadline for the September 2025 Issue of CPS-SCP News

PLEASE NOTE: The submission deadline for the September 2025 issue of CPS-SCP News is **August 29, 2025**. 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. In addition, photographs must be accompanied by a caption, and must be of suitable quality for printing. Photos that do not meet these guidelines will not be printed. Please send photos as separate attachments rather than embedding them in Word or PDF files.

