

CPS • SCP *News*



CANADIAN PHYTOPATHOLOGICAL SOCIETY • SOCIETE CANADIENNE DE PHYTOPATHOLOGIE

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President's Message



Lone Buchwaldt
CPS-SCP President/présidente

Last month we learned that the CPS unfortunately will not have the opportunity to organize the 13th International Congress of Plant Pathology in 2028 for the International Society of Plant Pathology (ISPP). Our representatives to ISPP, Linda Jewell and Stephen Strelkov, along with individuals from other member countries were asked to choose among four bids. As a result, the Australasian Society of Plant Pathology will be hosting the Congress at the Gold Coast in Queensland. However, the CPS will take the lead in organizing the next meeting for Plant Canada in 2024, which is likely to be held at the RBC Convention Centre in

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Winnipeg, Manitoba. Planning of the CPS annual meeting for 2022 is underway, but new COVID-19 variants, and uncertainty whether or not colleagues are permitted and willing to travel between provinces, has forced the local arrangement committee to delay the decision of whether to meet in-person in Penticton BC or use a virtual meeting platform. Either way, membership secretary, Vikram Bisht, will email CPS members as soon as the decision has been made. Some of CPS' regional groups organized annual meetings in 2021, which were all held virtually on Zoom. The Plant Pathology Society of Alberta (PPSA) had their meeting on November 4-5, the Southwestern Ontario Regional Association of the Canadian Phytopathological Society (SORA-CPS) on November 5, and the British Columbia Regional Group on November 9-10. Thank you to the three Regional Representatives, Rudolph Fredua-Agyeman, Sean Westerveld and Gurcharn Singh Brar, for putting together interesting agendas, and giving members an opportunity to meet during these COVID-times. I appreciated the chance to talk about our society at these meetings, as well as parts of my own research on 'Development of resistance to *Sclerotinia sclerotiorum* in canola' to the PPSA group. Materials from these meetings will be available on the CPS website shortly.

This fall the Board of Directors created a new Subject Matter Committee tasked with coordinating virtual workshops organized by CPS members. Anyone with an interest in plant pathology can attend at a small cost. The Zoom software that CPS subscribes to can accommodate 80-100 people, but the blackleg workshop listed below accommodated more people by using a

different platform. The workshops are meant to present a summary of the most up-to-date knowledge in selected areas of plant pathology research and tech transfer in Canada, with suitable contributions from international colleagues. These workshops provide both professional and personal growth, and can also help broaden our horizon on new topics such as the equity, diversity, and inclusion workshop listed below. The list includes five virtual workshops held in 2021 and one planned for 2022 so far:

Equity, Diversity and Inclusion (EDI) in Agronomy Research (July 12, 2021), organized by Edel Pérez-López, Université Laval.

Tips for successful publishing in peer-reviewed journals (July 13, 2021), organized by Andrew Burt, AAFC, Ottawa.

Advances in the understanding and management of soil-borne pathogens of Canadian crops (September 17 2021), organized by Andrea Botero Ramírez, University of Alberta, Sean Westerveld, Ontario Ministry of Agriculture, Food and Rural Affairs, Simcoe Resource Centre, and Amy Fang Shi, School of Environmental Sciences, University of Guelph and Ontario Ginseng Growers Association.

The increasing issue of ergot in cereal production and the biological questions being explored (October 20, 2021), organized by Jim Menzies, AAFC Morden, Manitoba.

Exploring blackleg management tools and quantitative resistance (December 3, 2021), organized by Gary Peng, AAFC, Saskatoon and Dilantha Fernando, University of Manitoba.

Bioinformatics solution for metagenomics-based plant pest and pathogen detection (date in 2022 TBD),

organized by Wen Chen and Hai Nguyen with AAFC in Ottawa, and Mike Rott with CFIA in Sydney, ON.

The BOD would like to encourage CPS members to suggest and organize virtual workshops on various topics in plant pathology.

The CPS can help with advertisement (email, website, Facebook and Twitter), and registration through the CPS website. Please contact the Virtual Workshop Committee Chair, Wen Chen (Wen.Chen@agr.gc.ca) with your workshop ideas.

Easy access to virtual meeting platforms also inspired the Education Committee to expand their objectives to include virtual seminars for graduate students and early career scientists. The first seminar was presented by Dr. Sara Stricker on October 27th, and was entitled "Improving integrated pest management of *Stemphylium* leaf blight of onion." The next seminar will be held on Wednesday, January 26th at 11:00 PT/3:30 NT, and the presenter will be Dieter Kahl, who will share a presentation entitled "Spatiotemporal detection of Grapevine red blotch virus and a novel approach to virus vector discovery". Presentation slots after January are still open, so please reach out to the Education Committee Chair, Linda Jewell (Linda.Jewell@agr.gc.ca) to sign up or for more information.

The BOD recently established an Ad Hoc Committee to pursue a new contract for publishing the Canadian Journal of Plant Pathology, which will replace the current

contract with Taylor & Francis ending in 2023. The CJPP Editor-in-Chief, Steve Strelkov, is chairing this Ad Hoc committee. The BOD has asked the committee to consider publishing all papers as open

access, as opposed to the hybrid model we have had for many years. CPS members

who publish in peer-reviewed journals, together with selected colleagues outside Canada, will be asked for their opinion on this matter.

Clearly many CPS members volunteer their time and expertise to support the many functions of the society. I would like to specifically recognize the following individuals for their contribution to the CPS. A big thank you to Treasurer, Ken Conn, in London Ontario, for providing accurate financial statements at every Board meeting since 2012, for looking after payments of membership fees and meeting registrations, paying of numerous invoices, and guiding CPS investments. His workload increases with each virtual meeting, workshop and seminar. Ken is also the Regional Representative for SORA-CPS mentioned above. Gratitude goes to Syama Chatterton with AAFC in Lethbridge Alberta, who is currently wearing three hats as Senior Director on the BOD, Chair of the Awards Committee as well as the Information Products Marketing Committee. The CPS can be proud that both Ken and Syama stepped up to look after the finances and coordination of awards on behalf of the Tri-Society Conference this summer. A thank you to Linda Jewell with AAFC in St. John's Newfoundland and Labrador, for wearing

"Best wishes to you and your families for an enjoyable holiday season. Merry Christmas and a Happy New Year!"

two hats as Editor of CPS News and Chair of the Education Committee presently organizing the new student seminar series. Thank you also to Wen Chen, the Junior Director on the BOD, for agreeing to coordinate the new virtual workshops. Last but not least, I would like to convey the Board's appreciation of Stephen Strelkov for being an effective Editor-in-Chief of CJPP since 2018, and overseeing a shift to a new review structure with more than 30 Senior and Associate Editors. Importantly, the impact factor increased to 2.4 under his leadership; and on that note, please consider submitting your best plant pathology manuscripts to the CJPP to help maintain a high IF. The BOD also appreciate that Steve is chairing the committee to ensure CPS signs the best possible publishing contract. Let's hope that Steve agrees to continue as EIC for another 3-year term.

Hopefully, this summary has inspired some people to contribute time and expertise to the CPS. Past President, Barry Saville, is currently Chairing the Nomination Committee and looking for nominees to fill the Junior Director and Vice President openings on the 2022-2023 BOD. In addition, several Standing Committees have openings such as the Nomination Committee, Awards Committee, Resolutions Committee, and Financial Advisory Committee. Please email barrysaville@trentu.ca with names of nominees, and a brief explanation why they would be a good fit.

Please also consider becoming an active member on one of the Subject Matter or Ad

Hoc Committees, which is a good learning experience particularly for new members. The Terms of Reference for most committees can be found on the CPS website. If interested contact the chair person of the committees listed below to volunteer your time, talent and ideas.

- Virtual Workshop Committee, Chair Wen Chen (Wen.Chen@agr.gc.ca)
- Education Committee, Chair Linda Jewell (Linda.Jewell@agr.gc.ca)
- Public Relations Committee, Chair Gurcharn Singh Brar (gurcharn.brar@ubc.ca)
- Committee on Historical Resources, Chair Denis Gaudet (Denisandregaudet@gmail.com)
- Information Products Marketing Committee, Chair Syama Chatterton (Syama.Chatterton@agr.gc.ca)
- International Cooperation Committee, Chair Maria Antonia Henriquez (Maria.Antonia.Henriquez@agr.gc.ca)

December is the time to renew the CPS-membership for the 2022 calendar year. This is easily done on the CPS website either using the on-line form, or by printing and mailing the membership form to Vikram Bisht.

Best wishes to you and your families for an enjoyable holiday season. Merry Christmas and a Happy New Year!

Lone Buchwaldt,
CPS President



Message de la présidente

Le mois dernier, nous avons appris que, malheureusement, la SCP n'aura pas l'occasion d'organiser, en 2028, le 13e Congrès international de pathologie végétale pour la Société internationale de phytopathologie (SIP). On a demandé à nos représentants à la SIP, Linda Jewell et Stephen Strelkov, ainsi qu'à d'autres représentants de pays membres, de choisir parmi quatre soumissions. En conséquence, la Société australienne de phytopathologie tiendra le Congrès à Gold Coast, dans le Queensland. Toutefois, la SCP se chargera d'organiser la prochaine réunion de Plant Canada en 2024 qui se tiendra tout probablement au Centre des congrès RBC de Winnipeg, au Manitoba. La planification de la réunion annuelle de la SCP de 2022 est amorcée, mais les nouveaux

variants de la COVID-19, et l'incertitude

quant à la possibilité et le désir de voyager de nos

collègues entre les provinces, a forcé le comité organisateur à repousser la décision selon laquelle nous nous rencontrerons en personne à Penticton en Colombie-Britannique ou si nous le ferons virtuellement. Peu importe, le secrétaire aux adhésions, Vikram Bisht, enverra un courriel aux membres dès que la décision sera prise. Quelques-uns des groupes régionaux de la SCP ont organisé des réunions annuelles en 2021 qui se sont toutes tenues virtuellement sur Zoom. La Société de phytopathologie de l'Alberta (SPA) a tenu sa réunion les 4 et 5 novembre, l'Association régionale du sud-ouest de l'Ontario de la Société canadienne de phytopathologie

(ARSOO-SCP), le 5 novembre et le Groupe régional de la Colombie-Britannique, les 9 et 10 novembre. Merci aux trois représentants régionaux, Rudolph Fredua-Agyeman, Sean Westerveld et Gurcharn Singh Brar, d'avoir mis sur pied des programmes intéressants et donné aux membres l'occasion de se rencontrer durant cette époque de pandémie. J'apprécie la chance que j'ai de parler de notre société durant ces réunions ainsi que de mes propres recherches sur le « Développement de la résistance à *Sclerotinia sclerotiorum* chez le canola » au groupe de la SPA. Les documents de ces réunions seront bientôt accessibles sur le site Web de la SCP.

Cet automne, le conseil d'administration a créé un nouveau comité thématique dont le mandat est de coordonner les ateliers virtuels organisés par les membres de la SCP. Quiconque s'intéresse à la

phytopathologie peut assister à ceux-ci pour un coût minime. L'application Zoom à laquelle la SCP est abonnée peut accommoder de 80 à 100 personnes, mais l'atelier sur la nécrose du collet listé ci-dessous peut accommoder plus de participants en utilisant une autre plateforme. Les ateliers sont conçus pour présenter un résumé des connaissances les plus à jour dans certains domaines de la recherche en phytopathologie et du transfert technologique au Canada, avec des contributions pertinentes de collègues de l'étranger. Ces ateliers offrent un épanouissement professionnel et personnel aux participants et peuvent également

“Je vous souhaite, à vous ainsi qu'à vos familles, une très agréable saison des Fêtes.

Joyeux Noël et Bonne Année!”

élargir nos horizons sur de nouveaux sujets tels que l'équité, diversité et inclusion listé ci-dessous. La liste inclut cinq ateliers virtuels tenus en 2021 et, jusqu'à maintenant, un planifié pour 2022.

- **Équité, diversité et inclusion (EDI) en recherche agronomique** (12 juillet 2021), organisé par Edel Pérez-López de l'Université Laval.
- **Conseils pour assurer la publication dans des revues à comité de lecture** (13 juillet 2021), organisé par Andrew Burt, AAC, Ottawa.
- **Avancées en matière de compréhension et de gestion des agents pathogènes terricoles dans les cultures canadiennes** (17 septembre 2021), organisé par Andrea Botero Ramírez de l'Université de l'Alberta, Sean Westerveld du ministère de l'Agriculture, de l'Alimentation et des Affaires rurales de l'Ontario, le Simcoe Resource Centre, Amy Fang Shi de l'École des sciences environnementales de l'Université de Guelph et l'Association des producteurs de ginseng de l'Ontario.
- **Le problème croissant de l'ergot dans les céréales et les questions biologiques qui sont approfondies** (20 octobre 2021), organisé par Jim Menzies, AAC Morden, Manitoba.
- **Évaluation des outils de gestion de la nécrose du collet et résistance quantitative** (3 décembre 2021), organisé par Gary Peng, AAC Saskatoon et Dilantha Fernando, Université du Manitoba.
- **Solution bio-informatique appliquée à la métagénomique pour détecter les ravageurs et les agents pathogènes des plantes** (2022, date à déterminer), organisé par Wen Chen et Hai Nguyen, avec AAC Ottawa, et Mike Rott, avec ACIA à Sydney, Ontario.

Le conseil d'administration voudrait encourager les membres de la SCP à

proposer et à organiser des ateliers virtuels sur divers sujets relatifs à la phytopathologie. La SCP peut contribuer à la publicité (courriels, site Web, Facebook et Twitter) et aux inscriptions par l'entremise de son site. S'il vous plaît, contactez le président du comité sur les ateliers virtuels, Wen Chen (Wen.Chen@agr.gc.ca), pour lui transmettre vos suggestions d'ateliers.

L'accès facile aux lieux de rencontres virtuels a également inspiré le comité de l'éducation à étendre ses objectifs afin d'inclure des séminaires pour les étudiants diplômés et les scientifiques en début de carrière. Le premier séminaire, dont le titre était « Amélioration de la gestion intégrée de la brûlure stemphylienne de la feuille de l'oignon », a été présenté par Sara Stricker le 27 octobre. Le suivant se tiendra le 26 janvier à 11 h HNP/3 h 30 T.N.-O. et sera présenté par Dieter Kahl et le sujet sera « La détection spatio-temporelle du virus de la tache rouge de la vigne et une nouvelle approche relative à la découverte du vecteur du virus ». Après janvier, les espaces réservés aux présentations sont ouverts. Il vous suffit de joindre la directrice du comité de l'éducation, Linda Jewell (Linda.Jewell@agr.gc.ca), pour vous inscrire ou pour obtenir de plus amples renseignements!

Le CA a récemment créé un comité ad hoc pour conclure un nouveau contrat pour la publication de la Revue canadienne de phytopathologie, qui remplacera, à la fin de 2023, celui avec Taylor & Francis. L'éditeur en chef de la RCP, Steve Strelkov, préside ce comité. Le CA a demandé au comité de considérer la publication de tous les articles en libre accès, contrairement au modèle hybride qui a été le nôtre depuis plusieurs années. Les membres de la SCP qui publient dans des revues à comité de lecture, de concert avec des collègues de

l'étranger, seront sondés sur ce sujet.

À l'évidence, plusieurs membres de la SCP ont donné leur temps et partagé leur expertise pour assurer les nombreuses fonctions de la Société. Je voudrais tout particulièrement remercier les personnes suivantes pour leur contribution à la SCP. Un gros merci au trésorier, Ken Conn, de London, en Ontario, pour les états financiers précis qu'il nous présente à chaque assemblée annuelle des membres depuis 2012, pour le suivi des paiements des cotisations et des inscriptions aux réunions, pour le paiement des nombreuses factures et pour l'orientation des investissements. Sa charge de travail s'accroît à chaque réunion virtuelle, atelier et séminaire. Ken est également le représentant régional de l'ARSOO-SCP mentionnée précédemment. Je tiens à témoigner ma gratitude à Syama Chatterton d'AAC de Lethbridge, en Alberta, qui actuellement cumule trois fonctions, c'est-à-dire directrice principale du CA, présidente du comité des prix ainsi que du comité de commercialisation des produits d'information. La SCP peut être fière de l'implication de Ken et de Syama qui se sont impliqués pour s'occuper des finances et de la coordination des prix pour la conférence tripartite de l'été dernier. Merci à Linda Jewell d'AAC de Saint-Jean, à Terre-Neuve-et-Labrador, pour assurer la fonction d'éditrice de la SCP News et de présidente du comité de l'éducation qui travaille actuellement à organiser la série de séminaires pour les nouveaux étudiants. Merci également à Wen Chen, directeur adjoint du CA, d'avoir accepté de coordonner les nouveaux ateliers virtuels. Finalement, je voudrais remercier chaleureusement, au nom du CA, Stephen Strelkov pour son efficacité en tant qu'éditeur en chef de la RCP depuis 2018 et pour avoir supervisé le passage à une

nouvelle structure avec plus de 30 éditeurs principaux et adjoints. Fait important à noter, sous sa gouverne, le facteur d'impact s'est accru à 2,4 et, en conséquence, s'il vous plaît, considérez soumettre vos meilleurs manuscrits traitant de phytopathologie à la RCP pour aider à maintenir ce haut FI. Le CA apprécie également le fait que Steve préside le comité qui vise à assurer que la SCP signe le contrat d'édition le plus avantageux. Souhaitons que Steve accepte d'occuper le poste d'éditeur en chef pour trois autres années.

Espérons que ce bilan ait inspiré quelques-uns d'entre vous à donner temps et expérience au profit de la SCP. Le président sortant, Barry Saville, préside actuellement le comité des nominations et il cherche des candidats pour exercer les mandats de directeur adjoint et de vice-président au CA 2022-2023. De plus, certains comités permanents ont des postes à pourvoir, dont le comité des nominations, le comité des prix, le comité des résolutions et le comité consultatif des finances. S'il vous plaît, transmettez le nom des candidats par courriel à barrysaville@trentu.ca avec une brève justification de votre choix.

S'il vous plaît, considérez également de vous impliquer activement dans un des comités thématiques ou ad hoc, ce qui constitue une bonne expérience, spécialement pour les nouveaux membres. Vous pouvez trouver les mandats des comités sur le site de la SCP. Si cela vous intéresse, contactez les personnes responsables des comités ci-dessous pour donner de votre temps et partager vos talents et vos idées :

- Comité des ateliers virtuels, président Chair Wen Chen (Wen.Chen@agr.gc.ca);
- Comité de l'éducation, présidente Linda

- Jewell (Linda.Jewell@agr.gc.ca);
- Comité des relations publiques, président Gurcharn Singh Brar (gurcharn.brar@ubc.ca);
- Comité des ressources historiques, président Denis Gaudet (Denisandregaudet@gmail.com);
- Comité de commercialisation des produits d'information, présidente Syama Chatterton (Syama.Chatterton@agr.gc.ca);
- Comité de la coopération internationale, présidente Maria Antonia Henriquez (Maria.Antonia.Henriquez@agr.gc.ca).

Décembre est le mois pour renouveler son adhésion à la SCP pour 2022. C'est facile à faire sur le site de la SCP, soit en remplissant le formulaire en ligne ou en l'imprimant et en le postant à Vikram Bisht.

Je vous souhaite, à vous ainsi qu'à vos familles, une très agréable saison des Fêtes. Joyeux Noël et Bonne Année!

Lone Buchwaldt,
Présidente de la SCP



Meetings

Report on the 2021 CPS-BC Regional Meeting

The BC Regional Annual Meeting of the Canadian Phytopathological Society was held virtually on November 9th and 10th, 2021. The meeting opened with a welcome message from Society President Lone Buchwaldt. Keynote speakers Ksenia Krasileva (UC Berkeley), Thomas Gradziel (UC Davis), James Brown (John Innes Centre), and Meng Li (AAFC Summerland) delivered talks to more than 50 attendees. Organized by members of the Crop Pathology and Genetics lab at UBC, the meeting hosted six presentations by postdocs and research technicians, and seven by graduate students. Five students participated in the oral presentation competition with subjects ranging from plant-pathogen interactions to improved germplasm breeding. Congratulations to Lindsay King (AAFC Summerland), Jonathan Beutler (UBC/UC Davis), and Sanjib Saptoka (AAFC Agassiz) for their 1st, 2nd, and 3rd place awards in the student competition, respectively. The meeting also included a photo competition and trivia contest. More than \$1,000 of prize money was awarded to speakers and winners of the various competitions. If it is safe to meet in-person next year, British Columbia will be hosting the 2022 CPS National Conference in Penticton. The national event will be held in conjunction with the APS Pacific Division conference and will take the place of the BC regional meeting. The 2023 BC regional conference will be held in Victoria. We look forward to seeing you all at future events.



A group photo of the attendees of the 2021 CPS-BC Regional Meeting



Report on the 2021 Meeting of the Plant Pathology Society of Alberta

The 41st Annual Meeting of the Plant Pathology Society of Alberta (PPSA) was held from November 4-5th, 2021, via Zoom managed by AAFC Lethbridge. A total of 67 registered participants were in attendance for the meeting, which included one poster and four paper sessions. There were a total of 13 oral and 11 poster presentations, with Dr. Denis Gaudet, Dr. Michelle Hubbard and Dr. André Laroche invited as featured speakers. In addition, seven graduate students participated in a student oral presentation competition; three technicians participated in oral presentation competition; and four technicians and four students participated in a poster competition. These were judged by a panel consisting of Dr. Michael Harding, Dr. Mohamed Hafez, Dr. Justin Pahara and Dr. Ron Howard. The Best Student Presentation was awarded to Ms. Heather Tso (University of Alberta), for an oral paper entitled “Challenges in clubroot pathotype-specific molecular diagnostics” Ms. Tso also received the PPSA Scholarship, which is awarded annually based on academic and research excellence to a student conducting graduate studies in the area of plant pathology at an institution in Alberta. The Best Technician Oral Presentation was awarded to Ms. Michelle Cradduck for her oral paper entitled “Building Ug99 resistance in Canadian winter wheat germplasm by stacking up stem rust resistance genes Sr22 and Sr24”. Mr. Albert Hannig (AAFC-Lacombe) was awarded for the best Technician Poster for his work titled “Effect of synthetic antimicrobial

peptides on common fungal pathogens and application to field pea (*Pisum sativum*)". The best Student Poster winner was Mr. Fisher Yu (University of Alberta) for his poster entitled "Effect of fall and spring lime applications on clubroot of canola." The 2021 Swanson Award for Plant Pathology and Nematology is awarded to Ms. Dilini Adihetty at the University of Alberta. Ms. Adihetty is a 2nd year PhD student who is currently studying the genetic structure, virulence and fungicide sensitivity of a population of *Cochlobolus sativus* (spot blotch of barley) from the Prairies. These awards were presented at the annual online virtual banquet. The business meeting included an update on CPS activities by the CPS President Dr. Barry Saville. Updates were also provided by representatives of each of the standing committees on Awards, Disease Surveys, and History.

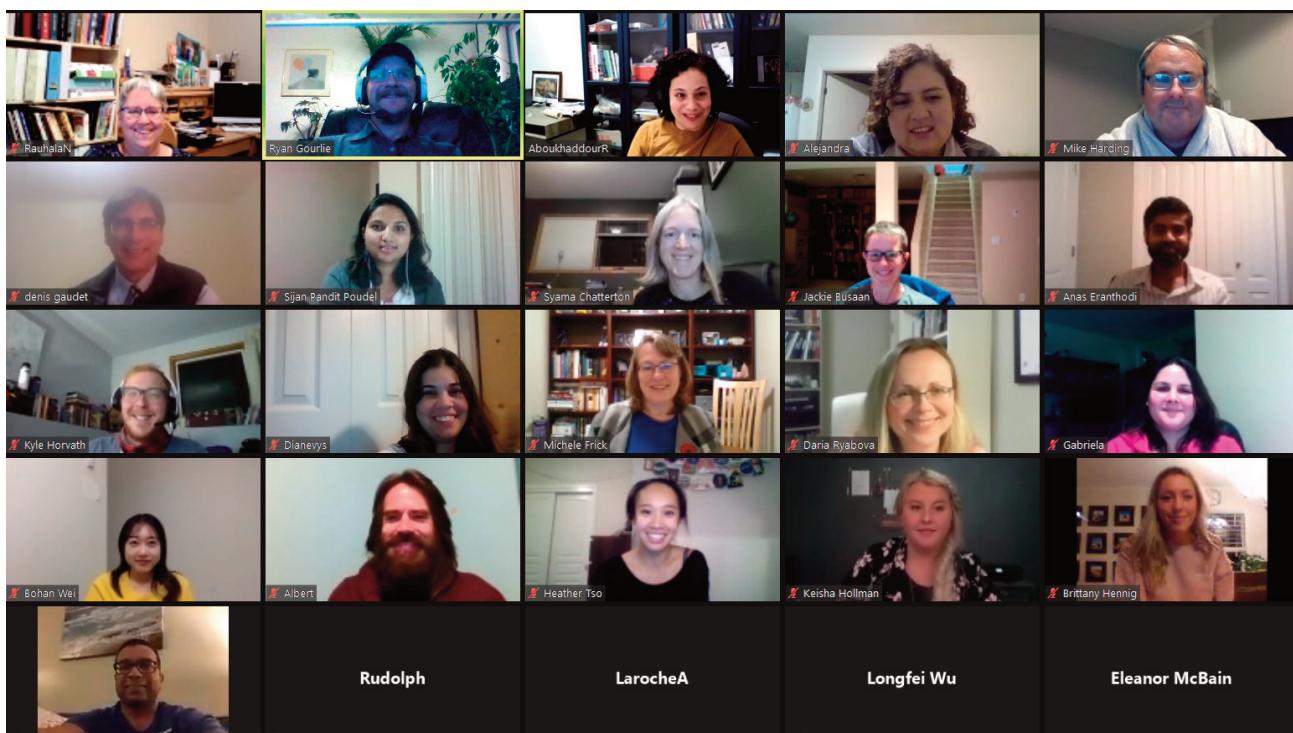
The new officers of the PPSA for 2020-2021 are:

Rudolph Fredua-Agyeman – President
Michael Harding - Vice-President
Ileana Strelkov - Secretary
Noryne Rauhala - Treasurer.

The Directors (3-year terms) include Robyne Bowness, Krista Zuzak, Ryan Gourlie, and Jackie Busaan.

The Local Arrangements Committee (LAC) consisted of Reem Aboukhaddour (Chair), Mohamed Hafez (Scientific Program), Ryan Gourlie (Registration and Online Meeting Coordination). The assistance provided by Noryne Rauhala and other staff in making the meeting a success is also gratefully acknowledged.

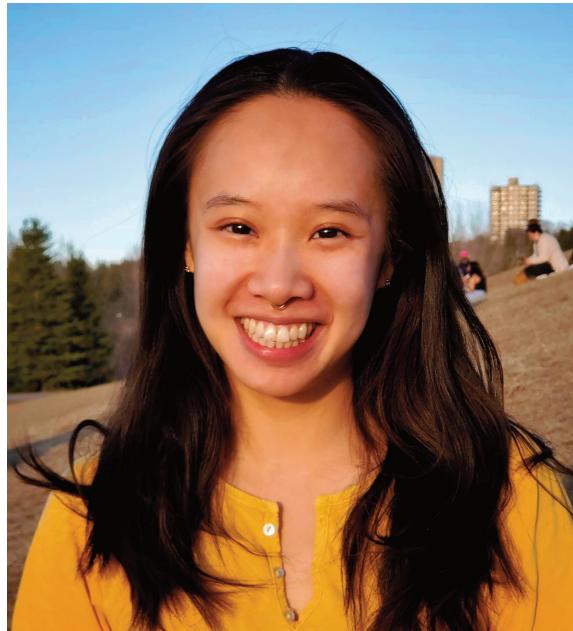
Respectfully submitted by: Reem Aboukhaddour (Past-President)



A group photo of the attendees of the 2021 PPSA Meeting



Winner of the Best Technician Oral Presentation, Ms. Michelle Cradduck



Winner of the Best Student Oral Presentation, Ms. Heather Tso. Ms. Tso was also awarded the PPSA Scholarship



Winner of the Best Technician Poster Presentation, Mr. Albert Hannig

Congratulations to all of the award winners, including also Mr. Fisher Yu (not pictured), winner of the Best Student Poster Award!



Winner of the Swanson Award, Ms. Dilini Adihetty



In Memoriam

Dr. Chuji Hiruki



Dr. Chuji Hiruki,
Professor Emeritus
from the University of
Alberta

With profound sadness, we mourn the passing of Dr. Chuji Hiruki, Professor Emeritus, of Edmonton, on November 15, 2021, at the age of 90 years. He will be remembered by his wife of 60 years, Yasuko; his son Tadaaki (Kayoko) and grandson Tadahiro; his daughter Lisa (Nate), grandson Alec, and granddaughter Mika; siblings Tomiko, Sachiko, Toshinobu (Michiko), Takeo (Mitsuko) and Mihoko (Hisayoshi) and their children. He was predeceased by his parents, Chuichi and Mitsu Hiruki.

Chuji, born and raised in Fukue, Japan, was the eldest son of a farmer. He received a B.Sc. from Kyushu University, worked at the Hatano Tobacco Experimental Station, and received a Fulbright Research Scholarship to study in the United States, then returned to Kyushu University for a Ph.D. He went to the University of California as a visiting scientist and the University of Wisconsin as an honorary fellow, then joined the Faculty of Agriculture at the University of Alberta in 1966 as a plant pathology professor.

Chuji's research focused on the characterization, diagnosis, and control of important plant diseases caused by viruses and mycoplasmas. He was a worldwide authority on mycoplasma disease, had a pivotal role in defining a new virus family, the dianthovirus group, and pioneered the use of genetic information as the basis for virus classification.

Chuji was active in professional societies and as an international consultant on biotechnological and agricultural issues. He created one of the most productive virus research programs in Canada, with a postgraduate education program that attracted many graduate students and postdoctoral fellows from around the world.

Chuji was recognized with many awards and honours, including the McCalla Professorship, American Phytopathology Fellow, Royal Society of Canada Fellowship, University of Alberta Distinguished University Professor, Canadian Phytopathological Society Fellow, J. Gordin Kaplan Award for Excellence in Research, and Canadian Phytopathological Society Outstanding Research Award. He retired in 1996, but continued his plant pathology research. In 2008, he was made an honorary member of the International Society of Plant Pathology. In 2018, Chuji was conferred the Order of the Sacred Treasure, Gold Rays with Rosette, an award of appreciation from the Emperor of Japan to those who have made distinguished contributions to their field.

Chuji loved flowers and gardening, photography, and traveling. He especially enjoyed cultivating and studying camellias. After his retirement, he researched the history of his hometown of Fukue and continued his involvement with flowers as the vice-president of the International Camellia Society. He was also recognized by the city of Fukue with a Distinguished Citizen Award. He enjoyed visits from his grandchildren and watching them grow up.

A private service will be held. The family wishes to thank the staff of the West Edmonton Kidney Care dialysis clinic for their care over the past years, and to the University of Alberta Hospital Unit 5F4 during his final days.

In lieu of flowers, memorial donations in Chuji Hiruki's name may be made to the Kidney Foundation of Canada (<https://kidney.ca>) at 880-5160 Decarie Blvd., Montreal, QC H3X 2H9.



People

Congratulations to Andrea Botero Ramírez!

Congratulations to Andrea Botero Ramírez on the successful defense of her Ph.D. thesis at the University of Alberta on June 23, 2021. Her thesis was entitled “Studies into clubroot (*Plasmodiophora brassicae*) epidemiology and resistance”. Andrea was co-supervised by Drs. Stephen Strelkov and Sheau-Fang Hwang. Andrea plans to continue with postdoctoral studies under the supervision of Drs. Strelkov and Hwang, working on the management of clubroot using crop rotation and on genetic studies of novel clubroot pathotypes using single-spore isolates.

Submitted by Stephen Strelkov and Sheau-Fang Hwang



Andrea Botero Ramírez (center) pictured with her supervisors, Stephen Strelkov and Sheau-Fang Hwang. Congratulations to Andrea on receiving her Ph.D. and on starting her new job as a Postdoctoral Fellow with the Plant Pathology Program at the University of Alberta.



Congratulations to Brittany Hennig!

Congratulations to Brittany Hennig on the successful defense of her M.Sc. thesis at the University of Alberta on August 11, 2021. Her thesis was entitled “Evaluation of resistance, hydrated lime, and weed control to manage clubroot in canola”. Brittany was co-supervised by Drs. Stephen Strelkov and Sheau-Fang Hwang. Following completion of her Master’s, Brittany has accepted a position as the Research Director of Alberta Canola. In this role, Brittany will be working with various partners in the canola industry, including the Alberta Agriculture Funding Consortium, the Canola Agronomic Research Program, and researchers at the various research organizations across Canada.

Submitted by Stephen Strelkov and Sheau-Fang Hwang



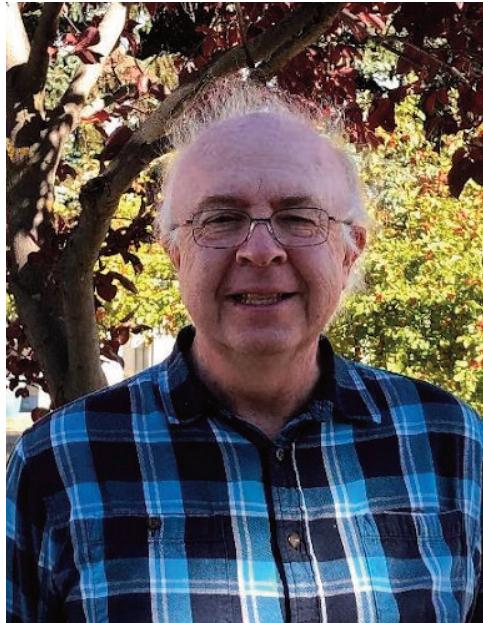
Brittany Hennig (center) pictured with her supervisors, Stephen Strelkov and Sheau-Fang Hwang. Congratulations to Brittany on receiving her M.Sc. and on starting her new role as the Research Director with Alberta Canola.



Happy Retirement Dr. George Turnbull!

Congratulations to George Turnbull on retirement from plant pathology with the Alberta Government after more than 25 years of service!

George began his career in plant pathology doing seasonal fieldwork with Dr. Prem Kharbanda on root rot and blackleg of canola at Alberta Environmental Centre.



While working there, he was encouraged by Dr. Sheau-Fang Hwang to pursue an M.Sc. in plant pathology at the University of Saskatchewan under the supervision of Dr. Bruce Gossen, working on head smut of several grass species. After graduating in 1993, he was hired as a technician with Dr. Hwang at Alberta Research Council (1993-2006) on root rot in legume and special crops, mycosphaerella and Ascochyta blight of peas and chickpeas, and snow mold in forage crops. He joined Dr. Hwang at Alberta Agriculture in 2006 to develop management strategies for clubroot and blackleg. He was instrumental in setting up a clubroot nursery at Alberta Agriculture and used it as a base to screen canola cultivars for resistance to clubroot and explore management techniques such as biocontrol, soil amendments, chemical control and fumigation to mitigate the disease. He has helped many graduate students from the University of Alberta with the field component of their clubroot research under the co-supervision of Dr. Hwang and Dr. Stephen Strelkov. Since

Congratulations and enjoy your retirement, Dr. Turnbull!

his retirement, George has been assisting part-time with Drs. Hwang's and Dr. Strelkov's continued field work on canola diseases at the University of Alberta.



Society Business

2021-22 Post-TriSociety Conference Virtual Workshops

CPS will hold a Bioinformatics workshop in the spring of 2022, entitled “Bioinformatics solution for metagenomics-based plant pest and pathogen detection”. The workshop organizers are Drs. Wen Chen (Ottawa RDC), Hai Nguyen (Ottawa RDC), Mike Rott (Sydney CFIA), and Andres C. Espindola (Oklahoma State University, OSU). This workshop will provide hands-on training on diagnostic metagenomics tools developed by AAFC, CFIA, and USDA-OSU research teams. Specific details will be shared on the CPS website and by email when they become available.



CPS Education Committee's Student Seminar Series

The CPS Education Committee hosts a regular series of Virtual Student Seminars! We hope that these seminars will allow students and recent graduates to share a larger piece of their research with the CPS community than a typical conference presentation might allow.

Presenters should be students or recent (within the past 6 months) graduates from a Canadian institution. Preference may be given to CPS members. All members of the CPS community are welcome to attend the seminars. Presentations should be 30 minutes in length, with 15 minutes for questions and discussion. Presentations should be focused on the student's own research results as opposed to proposed or future work.

Seminars are held on a monthly basis on the final Wednesday of each month.

To sign up for a presentation slot, or if you have any questions, please email the Chair of the CPS Education Committee, Linda Jewell, at Linda.Jewell@agr.gc.ca.

We hope that all CPS members will encourage their students to participate in the seminar series as presenters and/or audience members!

Upcoming seminars:

- January 26th, 2021; 11:00 AM PST / 3:30 PM NST. Dieter Kahl: “Spatiotemporal detection of Grapevine red blotch virus and a novel approach to virus vector discovery”



Young Scientists' Corner

FEATURED STUDENT:

Sanjib Sapkota

Simon Fraser University



Sanjib in the lab

I was born and raised in a remote village of western Nepal in small farm family. My close contact with the farm and farming since my childhood led me to pursue my undergraduate degree in agriculture from Tribhuvan University, where I was awarded a merit scholarship. During my undergraduate study (2012-2016), I learned basic principles of agriculture, gained knowledge about biotic/abiotic constraints influencing crops, and had a chance to be involved in a few research activities. After completing my undergraduate study, I worked as an agriculture instructor where I got an opportunity to teach Diploma level students, collaborated with local growers, and conducted research on diverse crops, which further increased my passion towards agricultural science.

I joined Eastern New Mexico University (NM) to pursue my master's degree majoring in Biology in 2017 and MS thesis research was on effects of growth parameters and water on survival rates of jujube suckers transplanted in semi-arid farmland of New Mexico. I also worked as a teaching assistant in Molecular Biology lab at NM and helped senior undergraduate students to learn basic molecular techniques. As I gained more knowledge, the curiosity toward plant-microbe interaction elevated. I joined Simon Fraser University (SFU) in September 2019 to pursue PhD under the mentorship of Dr. Rishi Burlakoti (Agassiz Research and Development Center, RDC, AAFC) and Dr. Zamir Punja (SFU). Currently, I am working in the Molecular Plant Pathology lab at Agassiz RDC for my PhD research project. My research focuses on understanding the pathogen biology and epidemiology of root rot and wilting complex (RRWC) of red raspberry and exploring sustainable management options for RRWC. RRWC is the most important disease of red raspberry, a major cause of red raspberry decline in Pacific North West including Fraser Valley areas of BC, resulting in millions of dollars in losses. My research includes basic research (such as targeted sequencing and whole-genome sequencing) for pathogen characterization as well as applied field research. We are investigating causal agents of disease, genetic and genomic diversity as well as virulence diversity of the pathogen population, developing rapid and effective screening methods and exploring management options for RRWC. We are also evaluating in vitro fungicides sensitivity to diverse strains of *Phytophthora* to identify if fungicide resistance has developed in *Phytophthora* populations. My career goal is to become a research scientist in the field of molecular plant pathology or microbiology. I want to use my knowledge and experiences to make a difference in farmers' lives by reducing at least a few challenges associated with sustainable crop production.

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.isspweb.org/newsletter.asp>

ISPP Newsletter 51 (10) October 2021

- Voting in progress for the Host Society for ICPP2028
- ISPP's Global Plant Health Assessment: Upcoming hybrid International Workshop and Conference, 8 October 2021
- ICPP2023: Call for Concurrent Sessions and Call for Satellite Events
- The Jakob Eriksson Prize for Plant Pathology - Call for nominations
- Plant patch enables continuous monitoring for crop diseases
- Achieving durable disease resistance in cereals – New book

- How do pathogens evolve novel virulence activities?
- Nonlinear shifts in infectious rust disease due to climate change
- Webinar on updating the Global Food Security Research Strategy:
- New evidence and opportunities
- Stronger lettuce stems are a key part of disease resistance
- Current Vacancies
- Acknowledgements
- Coming Events
- Coming Events

ISPP Newsletter 51 (11) November 2021

- Voting by Councilors on bids for ICPP2028
- Young Filipino researchers recognised as “Young Investigators in Plant Pathology” Fellows
- Seeing the forest for the trees
- Virus diseases of cereal and oilseed crops in Australia
- The Jakob Eriksson Prize for Plant Pathology - Call for nominations
- Fusarium wilt of cotton more aggressive and diverse than previously understood
- Nanotechnology-Based Sustainable Alternatives for the Management of Plant Diseases – New book

- 67th Annual Conference on Soilborne Plant Pathogens and 52nd Annual Statewide California Nematology Workshop, 22-24 March 2022
 - 11th Australasian Soilborne Disease Symposium, 2-5 August 2022
 - Bacteria, fungi interact far more often than previously thought
 - Current Vacancies
 - Acknowledgements
 - Coming Events
- ISPP Newsletter 51 (12) December 2021**
- ISPP's Global Plant Health Assessment Workshop and International Conference held at the Toulouse School of Economics, France, 5 - 8 October 2021
 - Announcement of the venue for the 13th International Congress of Plant Pathology (ICPP2028)
 - Special issue on Postharvest Quality and Control of Microbial Decay in Horticultural Produce
 - 7th International Conference of Pakistan Phytopathological Society and 7ICPPS - Pre Conference Mentoring Program
 - 7th International Conference of Pakistan Phytopathological Society
 - The Jakob Eriksson Prize for Plant Pathology - Call for nominations
 - *Colletotrichum* species and complexes
 - 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 March 2022 Issue of CPS-SCP News

PLEASE NOTE: The submission deadline for the December 2021 issue of CPS - SCP News is **February 25, 2022**. 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. When possible, please send photos as separate attachments, rather than embedding them in Word or PDF files.

