

# CPS • SCP News



CANADIAN PHYTOPATHOLOGICAL SOCIETY • SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE

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## President's Message



Sheau-Fang Hwang  
CPS-SCP President/présidente

Dear CPS members,

This is my final message as the 92nd President of the Canadian Phytopathological Society (CPS). I would like start by expressing my heartfelt gratitude to the members of CPS Board of Directors, who with their support have helped to ensure that the Society always ran smoothly! All of the Board members are very competent and dedicated individuals, and we were able to take action on several

## Inside this issue:

<b>President's Message</b>	25
<b>Message de la présidente</b>	29
<b>Meetings</b>	
Tri-Society Meeting	34
Report on COP15 Biodiversity Conference	35
2022 Manitoba CPS Meeting Report	39
First Agricultural Technology Conference	40
<b>In Memoriam</b>	
Dr. Susan M. Boyetchko	41
<b>Society Business</b>	
CPS Membership Report	43
CPS Education Committee's Pathogen of the Year	45
CPS Education Committee's Student Seminar Series	45
Educational Video Awards	46
Photography and Image Awards	49
Canadian Plant Disease Survey: Annual Report	51
<b>Announcements</b>	
Deposit Isolates with DAOM	52
Plant Pathology in the Social Media Age: ISPP Survey	53
<b>Young Scientists' Corner</b>	54
<b>Publications</b>	
ISPP	55
ESC	57
<b>Contact the Editors</b>	58

initiatives and get many things accomplished. I would like to provide you with an update on these activities since my previous message.

### **Web Page & Membership System**

Over the past year, the Board has proposed several strategies to increase Society membership and, hopefully, our new Membership Secretary Dr. Sara Stricker will continue to work with the Membership Committee (Dr. Wen Chen and Mr. Michael Holtz) to recruit many new members and to help us grow. Thank you also to Mr. Michael Holtz, who as Website Editor plays an important role in keeping the content of our website up-to-date and accurate. The website is the portal for our meetings, through which we can pay registration fees, submit abstracts, and review the program. Michael works tirelessly to make sure all of these important functions, as well as membership renewals, virtual workshop announcements and graduate student seminars, run smoothly.

Currently, the CPS uses a calendar-year membership system. The Board realizes that flexible membership systems are becoming increasingly popular in professional societies. However, we still have functional difficulties in implementing a flexible membership system and automating the scheduling for renewal reminders. Instead, the Board recommends that we should try a semi-year membership system – since many members renew their memberships during the annual meeting in order to receive a reduced registration fee. In any case, we would retain our non-online member services, with online and paper options, which might be preferred by some students and older CPS members.

### **CPS Financial Condition**

Thanks specifically to Dr. Ken Conn, our Treasurer, who has done an excellent job of overseeing the CPS finances over the past few years. Under his diligent and vigilant supervision, he has ensured that CPS funds provide the best returns possible, and that the CPS is in excellent financial condition. Dr. Conn's financial expertise, dedication, and hard work are greatly appreciated.

My sincere thanks also to Dr. Tom Fetch, who has done a fantastic job as Secretary for many years. He not only efficiently compiles the minutes for each Board meeting within the same day, but also knows our by-laws very thoroughly. He makes sure every motion from the Board is legitimate. Tom is retired now and it is my impression that he often schedules his vacation according to our Board's monthly meetings. I can tell that he really takes this responsibility seriously, and has done a fantastic job to ensure that every Board meeting runs smoothly.

### **Contract for publication of the Can J Plant Pathol.**

We are lucky to have Dr. Linda Jewell as our very dedicated CJPP Editor-in-Chief starting in July 2022. Linda and the Editorial Board continue to do a great job of attracting more and more high-quality papers. We are very proud of her leadership ability. The CPS Board has decided to continue to publish the CJPP with Taylor & Francis (T&F). With the support of Lone Buchwaldt (Past-President), Tom Fetch (Assistant Editor-in-Chief) and Ken Conn (Treasurer), Linda is in the process of signing the final version of the contract. Many thanks for their diligence and attention to detail as they reviewed this new contract prior to signing it.

Dr. Linda Jewell also serves as Editor of CPS News (with help from Ms. Coreen Franke as the Associate Editor), a role she has had for the past six years. Dr. Janice Elmhirst has been Editor of the Canadian Plant Disease Survey (CPDS) for six years, ensuring a continued record of the occurrence and severity of plant diseases in Canada. Personally, I always look forward to reading CPS News and the CPDS, and I am grateful for their excellent editing skills and hard work.

### 2023 Tri-Society Meeting

The 2023 Canadian Tri-Society Meeting will be held in Ottawa on June 17-23, 2023, in conjunction with the Canadian Society for Horticultural Science (CPS-CHSH) and the Canadian Society of Agronomy (CSA). This year's theme is "Agroecosystem resiliency under a changing climate". This is the first CPS annual meeting to be held in person since the Covid-19 pandemic. I would like to thank Chair of the Canadian Tri-Society 2023 meeting, Dr. Guillaume J. Bilodeau, and the other members of the Local Arrangements Committee (LAC) for their efforts in hosting this year's meeting. I also thank our Scientific Committee, including Guillaume Bilodeau, Mamadou Fall, Wen Chen, Sarah Hambleton and Harvinder Bennypaul, for giving us an exciting and very full program. More than 200 participants had registered by the end of May, including at least 100 CPS members. There are more than 100 presentations scheduled over the three days of the meeting, with more than 80 abstracts submitted by graduate students.

### Annual Meeting of Members

The 2023 Annual Meeting of Members (AMOM) will take place on June 20 over the

lunch break (12:30-14:30). Please plan to attend to get an update on the many CPS activities, voice your opinion on any Society matter, and to vote for the new members of the Board of Directors and various Standing and Subject Matter Committees.

Here is a peek at the Agenda planned for the upcoming AMOM:

- The CPS will present the 'Outstanding Research' and 'Outstanding Young Scientist' awards. Graduate student awards will be presented at the banquet. Please come to the meeting to find out who won and to congratulate them.

- Our treasurer, Ken Conn, will report our Society's financial situation and budgets at the AMOM. This is an opportunity to propose and discuss future plans or initiatives that may need financial support from CPS, and to pose any questions you may have regarding our current financial status.

- The Board believes our student membership fee is sufficiently low so as not to prevent those interested from joining the CPS. However, we have received requests to waive all student membership fees. This is something we can discuss at the AMOM.

- The Board is considering setting up a CPS Office by creating CPS assistant position for a two-year term (2023-2025) for the CPS Treasurer and Membership Secretary. This new assistant position will be paid under contract up to \$24,000 annually and will take care of routine financial matters and membership renewal. The new assistant would lessen workloads for the Treasurer and Membership Secretary, freeing the Membership Secretary to focus on

increasing membership rather than administrative tasks. In addition, this new assistant will look after the budget for the upcoming 2024 Plant Canada meeting. We believe it is time for the CPS to have an accountable assistant, but we need the approval of our membership. If we see improved efficiency and streamlined operations, we can revisit and renew the term, or we can terminate it if we find this role unnecessary.

- The Board also recommends that we should try the semi-year membership system. The AMOM will be a good forum for discussion of switching to the semi-year membership system, and we can put the issue to a vote there.

### **Acknowledgements to Outgoing Board Members**

I would also like to take this opportunity to extend my heartfelt thanks to the outgoing Board members for their exceptional service to the Society: Dr. Lone Buchwaldt, our Past-President, for her willingness to share the responsibility of guiding the CPS. She served our members and the community well during a very stressful pandemic. I admire her dedication, her insights, and her perseverance. Lone will attend the International Congress for Plant Pathology (ICPP) meeting in Lyon, France. She will represent CPS as a sponsor of the ICPP by delivering a speech to introduce the Glen Anderson Lectureship and will also make

sure the CPS logo appears in the ICPP program.

Dr. Vikram Bisht is stepping down from his role as Membership Secretary after more than 12 years! We all owe a great debt of thanks to him for his tremendous work in communicating the CPS News and other notices to our membership, and processing all of our membership renewals and applications. We wish him the best.

***“I want to thank the CPS members once again for your contributions, for being part of our big family, and for having given me the honor and privilege to serve as your Society’s President... Best wishes to everyone for a healthy and enjoyable life, and a productive year ahead.”***

I especially want to thank Dr. Wen Chen for her willingness to stay on for another year as Senior Director-at-Large, while Dr. Sara Stricker, our current Junior Director-at-Large takes

over from Vikram Bisht as our Membership Secretary. This will ensure that the transition is very smooth.

### **Final Comments and Thanks**

I would also like to welcome Dr. Gary Peng as our new President; I had the opportunity to work with him on canola clubroot research for many years and was very impressed by his patience, sincerity, and cordiality. He is a very dedicated person and will be very committed to this role. I am confident that our society will continue to thrive and succeed under his leadership. Gary Peng will continue to work on some of the important initiatives we have identified but not completed yet.

In my first message, I told you that I was thrilled to accept my dream job as a

Professor at the University of Alberta, but I didn't tell you that being a Professor is a very demanding job; I don't think that I could have survived as CPS President without the support I received from my colleagues, particularly Dr. Stephen Strelkov, and my students at U of A.

Finally, I want to thank the CPS members once again for your contributions, for being part of our big family, and for having given me the honor and privilege to serve as your Society's President. Personally, I have grown a lot from being very nervous at my first Board meeting to becoming comfortable enough to chair these meetings monthly. I would like to express my sincere

appreciation and gratitude to the CPS Board and all of the CPS members for your support and encouragement during my presidency. Time really flies and life is short. I am very pleased to pass this torch on to Gary, so I will have more time to enjoy with my two-year-old granddaughter and spend with my husband Kan-Fa Chang (retired Plant Pathologist). I hope to see all of you in person at the upcoming Tri-Society meeting in our beautiful capital city Ottawa! Best wishes to everyone for a healthy and enjoyable life, and a productive year ahead.

Sheau-Fang Hwang, President of the Canadian Phytopathological Society  
Professor, University of Alberta



## Message de la présidente

Chers membres de la SCP,

Ceci est mon dernier message à titre de 92<sup>e</sup> présidente de la Société canadienne de phytopathologie (SCP). Je souhaiterais commencer en exprimant ma profonde gratitude aux membres du conseil d'administration de la SCP qui, avec leur soutien, m'ont aidé à assurer que la Société fonctionne toujours rondement! Tous les membres du conseil sont des personnes compétentes et dévouées et nous avons pu mettre en œuvre diverses initiatives et, ainsi, accomplir de nombreuses choses. J'aimerais en conséquence vous présenter un compte rendu de ces activités depuis mon dernier message.

### **Page Web et système d'adhésion**

Au cours de la dernière année, le conseil a proposé différentes stratégies pour accroître le nombre de membres et j'espère que notre nouvelle secrétaire aux adhésions, Sara Stricker, continuera de travailler avec le comité des adhésions (Wen Chen et Michael Holtz) afin de recruter de nouveaux membres et nous aider à croître. Merci également à Michael Holtz qui, à titre d'éditeur du site Web, joue un rôle important quant au maintien à jour et à la précision du contenu de notre site. Le site Web est le portail consacré à nos réunions, par lequel nous pouvons payer les frais d'inscription, soumettre des résumés d'articles et réviser le programme. Michael travaille sans

relâche pour s'assurer que toutes ces fonctions importantes, ainsi que le renouvellement des adhésions, les avis concernant les ateliers virtuels et les séminaires pour les étudiants diplômés, se déroulent sans accroc.

Actuellement, le système d'adhésion de la SCP est basé sur l'année civile. Le conseil réalise que des systèmes flexibles d'adhésion sont de plus en plus populaires chez les associations

professionnelles. Toutefois, nous éprouvons encore des difficultés d'ordre fonctionnel quant à la mise en place d'un système d'adhésions flexible et au rappel automatique des renouvellements. Le conseil recommande que nous essayions plutôt un système d'adhésions semestriel — puisque plusieurs membres renouvellent leur adhésion lors de la réunion annuelle afin de profiter de la réduction tarifaire. Dans tous les cas, nous conserverons nos services traditionnels, en plus des options en ligne et papier, que certains étudiants et membres plus âgés de la SCP pourraient préférer.

### **Situation financière de la SCP**

Merci tout particulièrement à Ken Conn, notre trésorier, qui a fait un excellent travail au cours des dernières années quant à la supervision de nos finances. Grâce à son

contrôle appliqué et attentif, il s'est assuré que les fonds de la SCP fournissent le meilleur rendement possible et que la Société est en excellente santé financière. L'expertise financière de Ken, son engagement et son travail assidu sont très appréciés.

**[J"]e tiens à remercier une fois de plus les membres de la SCP de leurs contributions, de faire partie de notre grande famille et de m'avoir fait l'honneur et accordé le privilège de les servir en tant que présidente...Je vous souhaite à toutes et à tous une vie saine et agréable ainsi qu'une autre année productive."**

Mes sincères remerciements vont également à Tom Fetch qui a accompli, à titre de secrétaire, un travail fantastique depuis plusieurs années. Non seulement compile-t-il, la

journée même, les comptes rendus de chaque réunion du conseil, mais il connaît aussi à fond nos règlements. Il s'assure que chaque motion présentée par le conseil est légitime. Tom est aujourd'hui retraité, mais j'ai l'impression que, souvent, il planifie ses vacances en fonction des réunions mensuelles du conseil! Je peux vous confirmer qu'il prend ses responsabilités très au sérieux et qu'il a accompli un travail fantastique pour garantir que chaque réunion du conseil se déroule en douceur.

### **Contrat pour la publication de la Revue canadienne de phytopathologie**

Nous sommes chanceux de compter parmi nous Linda Jewell, notre très dévouée rédactrice en chef de la RCP depuis juin 2022. Linda et le comité éditorial continuent de faire un superbe travail pour ce qui est d'attirer de plus en plus d'articles de qualité.

Nous sommes très fiers de son leadership. Le conseil de la SCP a décidé de poursuivre la publication de la RCP avec Taylor & Francis. Avec l'appui de Lone Buchwaldt (présidente sortante), Tom Fetch (rédacteur en chef adjoint) et Ken Conn (trésorier), Linda s'apprête à signer la version définitive du contrat. Un grand merci pour leur diligence et l'attention qu'ils ont portée aux détails au cours de la révision de ce nouveau contrat avant de le signer.

Linda Jewell agit également à titre d'éditrice du CPS/SCP News (avec Coreen Franke comme éditrice adjointe), un rôle qu'elle a assumé depuis les six dernières années. Janice Elmhirst est, depuis six ans, l'éditrice de l'Enquête phytosanitaire nationale (EPN), garantissant ainsi un suivi continu de l'occurrence et de la gravité des maladies des plantes au Canada. Personnellement, j'ai toujours hâte de lire le CPS/SCP News et l'EPN, et je suis reconnaissante pour leurs talents d'éditrices et leur travail acharné.

### **Réunion tripartite de 2023**

La réunion canadienne tripartite de 2023 se tiendra à Ottawa du 17 au 23 juin, de concert avec la Société canadienne de science horticole (SCSH) et la Société canadienne d'agronomie (SCA). Le thème de cette année est « Résilience des agroécosystèmes quant au changement climatique ». C'est la première réunion annuelle qui se tiendra en présentiel depuis l'épidémie de COVID-19. Je souhaiterais remercier le président de la réunion canadienne tripartite de 2023, Guillaume J. Bilodeau, et les autres membres du comité organisateur local pour les efforts déployés afin d'accueillir la réunion de cette année. Je tiens aussi à remercier notre comité

scientifique, composé de Guillaume Bilodeau, Mamadou Fall, Wen Chen, Sarah Hambleton et Harvinder Bennypaul, de nous avoir préparé un programme passionnant et des plus complets. À la fin de mai, plus de 200 participants s'étaient déjà inscrits, y compris au moins 100 membres de la SCP. Pour les trois jours de la réunion, le programme comporte plus de 100 présentations, et plus de 80 résumés d'articles seront présentés par des étudiants diplômés.

### **Assemblée annuelle des membres**

L'assemblée annuelle des membres (AAM) se tiendra le 20 juin durant la pause de midi (de 12 h 30 à 14 h 40). S'il vous plaît, prévoyez d'y assister afin d'être au courant des diverses activités de la SCP, d'exprimer votre opinion sur toute question relevant de la Société et pour voter pour les nouveaux membres du conseil d'administration et des divers comités permanents et thématiques.

Voici un aperçu de l'ordre du jour planifié pour la prochaine AAM :

- La SCP présentera les prix d'excellence en recherche et de jeune scientifique exceptionnel. Les prix pour les étudiants diplômés seront présentés au banquet. S'il vous plaît, assistez à l'assemblée pour savoir qui a gagné et les féliciter;
- Notre trésorier, Ken Conn, présentera, durant l'assemblée, son rapport sur la situation financière de la Société et ses budgets. C'est une occasion de proposer d'éventuels plans ou initiatives qui nécessitent un soutien financier de la SCP et d'en discuter, ainsi que de poser toute question qui vous concerne relativement à notre situation financière;

- Le conseil considère que les frais d'inscription pour les étudiants sont suffisamment bas pour ne pas dissuader ces derniers de se joindre à la SCP. Toutefois, nous avons reçu des demandes selon lesquelles il faudrait supprimer les frais d'inscription pour les étudiants. C'est un sujet dont nous pourrions discuter durant l'AAM;
- Le conseil songe à mettre sur pied un bureau de la SCP en créant un poste d'adjoint à la SCP pour un mandat de deux ans (2023-2025), et ce, pour le trésorier et le secrétaire aux adhésions. L'adjoint sera payé sous contrat jusqu'à concurrence de 24 000 \$ par année et s'occupera des affaires de routine relatives aux finances et au renouvellement des adhésions. Le nouvel adjoint allègera la tâche du trésorier et du secrétaire aux adhésions, permettant au secrétaire de se concentrer sur l'augmentation du nombre de membres plutôt que sur des tâches administratives. De plus, ce nouvel adjoint s'occupera du budget pour la réunion de Plant Canada qui se tiendra en 2024. Nous croyons qu'il est temps pour la SCP de se doter un adjoint responsable, mais nous avons besoin de l'approbation de nos membres. Si l'efficacité en est améliorée et les opérations en sont rationalisées, nous pouvons réévaluer le mandat et le renouveler ou, s'il est incompatible, y mettre fin;
- Le conseil recommande également que nous essayions le système d'adhésions semestriel. L'AAM sera une bonne occasion de discuter du passage au système d'adhésions semestriel et nous pourrions le soumettre au vote.

### **Remerciements aux membres sortants du conseil**

J'aimerais également profiter de l'occasion pour remercier sincèrement les membres sortants du conseil pour leurs services exceptionnels rendus à la Société : Lone Buchwaldt, notre présidente sortante, pour son empressement à partager la responsabilité de diriger la SCP. Elle a bien servi nos membres et la communauté durant une pandémie très éprouvante. J'admire son engagement, sa perspicacité et sa persévérance. Lone assistera au Congrès international de pathologie végétale (CIPV) à Lyon, en France. Elle représentera la SCP à titre de commanditaire du CIPV en prononçant un discours pour présenter la maîtrise de conférences Glen Anderson et s'assurera que le logo de la SCP est bien en évidence dans le programme du CIPV.

Vikram Bisht quitte ses fonctions de secrétaire aux adhésions après plus de 12 ans! Nous lui sommes tous reconnaissants pour la somme de travail qu'il a accompli en diffusant le CPS/SCP News et les autres avis à nos membres ainsi qu'en traitant toutes les demandes de renouvellement et les nouvelles inscriptions. Nous lui adressons tous nos meilleurs vœux.

Je tiens à remercier tout spécialement Wen Chen d'avoir accepté de rester en poste pendant une année supplémentaire comme directrice principale non désignée, pendant que Sara Stricker, notre directrice adjointe non désignée, remplace Vikram Bisht comme secrétaire aux adhésions. Cela assurera que la transition s'effectue en douceur.

### **Derniers commentaires et remerciements**

J'aimerais également souhaiter la bienvenue à Gary Peng, notre nouveau président. J'ai eu l'occasion de travailler avec lui en recherche sur la hernie du canola pendant plusieurs années et sa patience, sa sincérité et sa cordialité m'ont grandement impressionnée. C'est une personne très dévouée et particulièrement engagée à remplir son rôle. Je suis convaincu que, sous sa direction, notre société continuera de prospérer et d'obtenir du succès. Gary Peng continuera de travailler sur certains des projets importants que nous avons ciblés, mais que nous n'avons pas achevés à ce jour.

Dans mon premier message, je vous ai dit que j'avais été enchantée d'accepter mon emploi de rêve comme professeur à l'Université de l'Alberta, mais je ne vous ai pas dit à quel point le travail de professeur est exigeant; je ne crois pas que j'aurais survécu comme présidente de la SCP sans le soutien de mes collègues, particulièrement de Stephen Strelkov, et de mes étudiants de l'Université.

Finalement, je tiens à remercier une fois de plus les membres de la SCP de leurs contributions, de faire partie de notre grande famille et de m'avoir fait l'honneur et accordé le privilège de les servir en tant que présidente. Personnellement, j'ai beaucoup évolué depuis ma première réunion du conseil, au cours de laquelle j'étais très nerveuse, jusqu'à devenir suffisamment à l'aise pour les présider tous les mois. Je voudrais exprimer ma sincère appréciation et ma gratitude au conseil ainsi qu'à tous les membres de la SCP pour leur soutien et leurs encouragements durant ma présidence. Le temps passe très vite et la vie est courte. J'ai le plaisir de passer le flambeau à Gary, ainsi, j'aurai plus de temps pour jouir de ma petite-fille de deux ans et plus de temps à passer avec mon mari, Kan-Fa Chang (phytopathologiste à la retraite). J'espère vous voir en personne à la réunion tripartite dans notre belle capitale qu'est Ottawa! Je vous souhaite à toutes et à tous une vie saine et agréable ainsi qu'une autre année productive.

Sheau-Fang Hwang, présidente de la Société canadienne de phytopathologie  
Professeure, Université de l'Alberta



## Meetings

### Canadian Tri-Society Meeting: June 17-21, Ottawa

*Join us!* **Registration now open: June 17 – 21, 2023**



**The Canadian Tri-Society meeting**  
 JUNE 17-21 2023, Ottawa  
**Agroecosystem resiliency under a changing climate.**  
 Hosted by  
 Canadian Phytopathological Society,  
 Canadian Society for Horticultural Science,  
 Canadian Society of Agronomy

The conference includes invited speakers, submitted session talks, tours, posters, banquet and networking opportunities.  
 Student awards presentations by all three societies.  
 Information, registration and abstract submission :  
<https://phytopath.ca/meetings/2023cdn-tri-society/>  
 Abstract Deadline April 15<sup>th</sup> 2023  
 Sponsorship opportunities

Contact: Guillaume Bilodeau  
 guillaume.bilodeau@inspection.gc.ca



Canadian Society of Agronomy  
 La Société Canadienne d'Agronomie




THE CANADIAN PHYTOPATHOLOGICAL SOCIETY  
 LA SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE

*Joignez-vous à nous!* **Inscription maintenant ouverte: 17 au 21 juin, 2023**



**The Canadian Tri-Society meeting**  
 JUNE 17-21 2023, Ottawa  
**Agroecosystem resiliency under a changing climate.**  
 Organisée par  
 La Société Canadienne de Phytopathologie,  
 La Société Canadienne de Science horticole,  
 La Société Canadienne d'Agronomie

La conférence comprendra des conférenciers invités, des présentations par les membres, des affiches, visites, banquet et de grandes possibilités de réseautage  
 Des prix seront remis par les trois Sociétés pour les meilleures présentations étudiantes.

Information, inscription et soumission de résumé :  
<https://phytopath.ca/meetings/2023cdn-tri-society/>  
 Date limite pour résumé 15 Avril 2023  
 Opportunités de commandites

Contact: Guillaume Bilodeau  
 guillaume.bilodeau@inspection.gc.ca



Canadian Society of Agronomy  
 La Société Canadienne d'Agronomie




THE CANADIAN PHYTOPATHOLOGICAL SOCIETY  
 LA SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE



## Report on COP15 Conference on Biodiversity

# Nations reach Global Biodiversity Framework agreement at COP15: the UN conference on biodiversity 7-19 December 2022 in Montreal, Canada



A report by Dr. Deena Errampalli  
Head of the Global Plant Council Delegation at the COP15



**Do you know that 60% of terrestrial wildlife, including plant, animal, insect, and fungal species, has been lost in the last 50 years? Similar biodiversity loss is occurring in Marine wildlife, as well. A recent UN Report warns that the current rate of species extinction is at historic levels and is “accelerating.”**

There is every reason to be concerned as if we do not take action, the loss of biodiversity will jeopardize food and water supplies and cause ecosystem collapse. Only by working together at the global level can we prevent biodiversity loss.



Climate Crisis – Melting Arctic  
2020  
by Deena Errampalli

### What is COP 15?

**COP 15** was the 15th meeting of the Conference of the Parties (COP15) to the United Nations Convention on Biological Diversity (CBD) that brought together over **12,000 delegates from 188 countries** to engage in important negotiations and dialogue around global biodiversity conservation. The parties in COP refer to the countries. COP15 met from 7 -19 December 2022 in Montreal, Canada.



My name is **Deena Errampalli**; Research Scientist (plant pathology) in Canada and a board member

at the Global Plant Council (GPC), and was delighted to lead the in-person GPC delegation, in an Observer capacity, in Montreal. Scientists from different delegations including DSI Scientific Network (<https://www.dsiscientificnetwork.org/>) and the GPC



Delegates at the COP 15 in Dec 2022, in Montreal, Canada. Photo: UN Biodiversity

<sup>1</sup> <https://press.un.org/en/2022/sgsm21291.doc.htm>

(<https://globalplantcouncil.org/>), advocated for a post-2020 Global Biodiversity Framework by making science-based presentations at the side events and consulting with different parties at the convention.



An immersive video experience hosted by the National Geographic Society at the COP15 UN Biodiversity Conference in Montreal in Dec 2022. Photo: Deena Errampalli

After registering and obtaining a badge, and then immediately doing a COVID rapid test (a daily negative test was required for entrance to the venue), I made it to the COP15 Opening Ceremony and heard inspiring opening remarks from dignitaries. Canada's Prime Minister, Justin Trudeau, welcomed the COP15 delegates to Canada with a speech and a funding announcement for a biodiversity saving initiative; Next, the UN Secretary-General António Guterres welcomed the delegates, followed by Minister Huang Runqiu, President of the Fifteenth Meeting of the Conference of the Parties to the United Nations Convention on Biological Diversity (COP 15) and Minister of Ecology and Environment of China in Chinese. Both Francois Legault, the

Premier of Quebec Province, and Valérie Plante, the Mayor of Montreal spoke in French. Of course, there were simultaneous translations to many languages available at the convention.

The UN secretary general, António Guterres, opened the Convention with a stark message: **“Without nature, we are nothing. Nature is our life-support system, and yet humanity seems hellbent on destruction.”** He added, **“With our bottomless appetite for unchecked and unequal economic growth, humanity has become a weapon of mass extinction,”** he said. **“[COP15] is our chance to stop this orgy of destruction, to move from discord to harmony.”**

The primary aim of COP15 was to ‘give-teeth’ to the Convention on Biological Diversity adopted at Earth Summit in Aichi, Brazil, in 1992, and ratified by 196 countries (albeit with the notable exception of the USA).



Me (in red jacket on the bottom right) presenting the talk. Photo: Melania Munoz Garcia. Except for the presenter(s) all delegates were required to wear a mask.

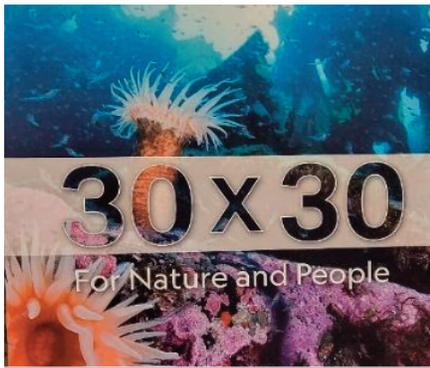
**Countries from around the world came together at COP15 to agree**

**on a new set of goals to guide global action through 2030 to halt and reverse nature loss and to protect 30 percent of the planet's land and oceans. It is also known as '30 X 30'.**

One of the issues that GPC advocated was the Digital Sequence Information (DSI) on genetic sources. As Parties (countries) to the Convention on Biological Diversity debated the issue of **access** and benefit-sharing from DSI on genetic sources at the COP15 UN Biodiversity Conference, a group of scientists has proposed a multilateral framework where access to DSI from genetic resources is “decoupled” from benefit sharing. On invitation, I presented a case study titled, ‘How DSI can revolutionize food security: understanding the Sterility Mosaic Disease of Pigeonpea, at the “A comparative analysis of policy options for DSI under the CBD: how do they measure up? a side event organized by the DSI Scientific Network at COP15 on 8 December, 2022 (photo).

I (from Canada) was invited as a panelist along with Manuela da Silva, Fiocruz (Brazil), Amber Scholz, DSMZ Leibniz (Germany), Guilherme Oliveira, Instituto Tecnológico Vale (ITV; Brazil), and two moderators, Christian Tiambo, Centre for Tropical Livestock Genetic and Health (CTLGH) - International Livestock Research Institute (ILRI; South Africa) and Jens Freitag, Leibniz Institute of Plant Genomics and Crop Plant Research (IPK; Germany). The DSI side event was well-attended and well-received. The panel answered/clarified some of the questions from the audience, which included ‘Parties.’

**In the early hours (3:30 am to be precise) of December 19, 2022, after years of negotiations, including two weeks of intense negotiations in Montreal, the delegates from 188 countries finally reached a deal to share benefits from the use of digital sequence information (DSI) derived from genetic resources. COP15 ended with a landmark biodiversity agreement, where nations adopted four goals, 23 targets for 2030.**



30 x 30 Poster at the COP 15 venue by Deena Errampalli

**To put it in perspective, the GBF agreement for nature in Montreal is equivalent to the Paris agreement for Environment.** In Paris, the world agreed to an apex target to limit global warming to well below +2C, preferably to +1.5°C, and with the 2022 GBF the world had agreed to ‘30 x 30’ target.

Despite the hesitations of some, the Convention on Biological Diversity text pledging open access to gene-sequence information was a relief to the scientific research community, which had voiced worries about losing access to genetic sequence libraries. For further details on Global Biodiversity Framework please check the official press release<sup>2</sup> and PDF<sup>3</sup>.

“In Montréal, we have risen to the challenge and united as one global community to address the crisis faced by nature. We agreed on an ambitious path forward for our planet, and have given ourselves the tools to turn the tide. This is a historic moment for nature, and it is our only chance to save what we love and hold dear, before it is too late.” – The Honourable Steven Guilbeault, Minister of Environment and Climate Change Canada.

The delegates and all the concerned communities worldwide rejoiced to have reached the Global Biodiversity Framework agreement in 2022, and the next steps, the real work begins in **implementing** it.

### Attending COP 15 and being a part of the convention that saw the GBF agreement



At the COP 15 venue by Deena Errampalli

**approved was a career highlight for me.** It was an incredible experience to hear the passionate, at times contradicting, views of so many delegates from across the globe ranging from small island nations such as Fiji to large land-based countries like Canada (188 countries were present). The knowledge that all of us were working towards a common goal of protecting the biodiversity of our planet was both exhilarating and humbling.

This new “Global Biodiversity Framework” of 2022 has set out targets for the coming decade to 2030. These targets will replace the Aichi targets set for 2011-2020 and will also lead towards the longer 2050 goal: living

in harmony with nature.

With the 2022 GBF agreement, I feel hopeful and excited for all flora and fauna on this earth. This GBF matters for the future of our food and agriculture. I hope that the nations (countries) will follow through with the agreement to protect global biodiversity and realize the dream of a Healthy Planet and Healthy People.

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**About the author:** Dr. Deena Errampalli<sup>4</sup> is a scientist (Plant Pathologist) in agriculture. She is also a Board member of the Global Plant Council, a not-for-profit Corporation based in Canada<sup>5</sup>. She was the Past President of the Canadian Phytopathological Society (2014-2015).

**About The Global Plant Council:** an umbrella organization of plant, crop, agricultural, and environmental science societies and organizations across the globe representing thousands of experts. In the past few years, the GPC has provided a platform for debate on open access to digital gene-sequence information.

<sup>2</sup> <https://www.cbd.int/article/cop15-cbd-press-release-final-19dec2022>

<sup>3</sup> <https://www.cbd.int/doc/c/e6d3/cd1d/daf663719a03902a9b116c34/cop-15-l-25-en.pdf>

<sup>4</sup> [https://en.wikipedia.org/wiki/Deena\\_Errampalli](https://en.wikipedia.org/wiki/Deena_Errampalli)

<sup>5</sup> <https://globalplantcouncil.org/>



## Report from the 2022 Manitoba CPS Regional Meeting

Dec. 7th, Dept. Plant Science, University of Manitoba, Winnipeg, MB



The 2022 Manitoba Regional Meeting of the Canadian Phytopathological Society was held on December 7th at the University of Manitoba (Department of Plant Science, Faculty of Agricultural & Food Sciences). This meeting was attended by 39 people. This was a good turnout after two meetings were skipped due to Covid-19. Registration with coffee and muffins started at 9:00am.

After welcoming the participants, Dr. Fouad Daayf (Manitoba regional chair for CPS) invited Dr. Tom Fetch, CPS secretary, who conveyed greetings from the CPS Board. After a few members presented disease updates (details to be published in the journal “Canadian Plant Disease Survey”), there were three technical sessions:

1. Student Presentations (chaired by Dr. M. El-Shetehy):

- ***Fusarium* hydrophobins as predictors of the gushing activity in malt**, by A. Jayathissa, M. Bakker, W.G.D. Fernando, J.R. Tucker, A. Badea.
- **Meta-sequencing of bacterial endophytes in clean and FHB-infected barley seeds**, by V. Weerasinghe, J.R. Tucker, A. Badea, W.G.D. Fernando, C. Wijekoon.
- **Development of Deep Learning model-based Application for rating of Blackleg disease in Brassica species**, by K. Shah.

2. Other Presentations (chaired by Dr. M. Sayari):

- **Resistance to corn Goss’s wilt is primed using less aggressive *Clavibacter nebraskensis* strains**, by M. El-Shetehy, M. Sayari, R. Celoy, J.T. Tambong, F. Daayf
- **A status update on Fusarium head blight and ergot in Canada**, by S. Walkowiak
- **Crop rotation affects the abundance and diversity of soil pathogenic and non-pathogenic microbiomes**, by M.N. Islam, O. Molina, H.R. Kutcher, X. Wang.
- **Applying artificial intelligence to canola blackleg disease management**, by L. Zhao, M.W. Harding, G. Peng, R. Lange, S. Walkowiak, W.G.D. Fernando

3. *Verticillium* sp. (chaired by Dr. F. Daayf):

- **Are Canadian canola germplasm ready to fight *Verticillium longisporum*?**, by S. Huang, A. Dolatabadian, F. Liu, W.G.D. Fernando
- **Genome comparison revealed the repertoire of polyketide biosynthesis gene clusters in the members of *Verticillium* sp.** by M. Sayari, M. El-Shetehy, A. Dolatabadian, P.K. Rehal, F. Daayf

All students received awards for their presentations, as follows: **A. Jayathissa** (1st place, \$100), **V. Weerasinghe** (2nd place, \$75), and **K. Shah** (3rd place, \$50). The business meeting followed at 2:30pm.

### Business meeting

Dr. Daayf thanked the members who stayed for the business meeting and approved the minutes of the 2019 meeting (Fetch/Fernando). The members discussed ways to help students integrate the society and contribute to its activities. A motion (Bisht/Fernando) was carried to pay for up to four students to attend the Crop Diagnostic School, held every summer at the Carman research station. Another idea was suggested to organize a workshop that would benefit graduate students and post-docs, and that we invite seed companies to such an event. Dr. Fernando offered to provide names/contacts at a later date. Dr. Fernando also informed the members that Plant Canada 2024 will be held in Winnipeg at the Convention Centre on July 24th. Dr. Fetch (CPS secretary) provided an update on the Canadian Journal of Plant Pathology and the CPS contract with the publisher Taylor & Francis. Before closing, Dr. Daayf presented a financial update of the CPS-MB regional section and thanked Ms. Puneet Rehal and Drs. Celoy, Sayari, and El-Shetehy for helping with this year's local arrangements.

The meeting was adjourned at 3:45pm.

Respectfully submitted,  
Dr. Fouad Daayf, CPS-MB Regional Representative



## First Agricultural Technology Conference “Innovative Agriculture for Food Security

The First Agricultural Technology Conference “Innovative Agriculture for Food Security (IAFS-2023)” will be held during the period of 04-07 September 2023 in Amman, Jordan. Early bird registration is now open. For more details and registration visit [https://bau.edu.jo/conference/IAFS/iafs\\_Home.aspx](https://bau.edu.jo/conference/IAFS/iafs_Home.aspx)



## In Memoriam

### Dr. Susan M. Boyetchko January 4, 1959–February 8, 2023



Sue Boyetchko was born in Victoria, British Columbia. She grew up in a military family and spent her childhood in various locations in Canada and Europe. After high school, Sue attended the University of Alberta, where she earned a BSc, MSc and PhD in plant sciences. Sue then pursued postdoctoral research on biological control strategies for weeds with Agriculture and Agri-Food Canada (AAFC) in Regina, Saskatchewan with Dr. Knut Mortensen. She was hired as a Research Scientist focused on biocontrol at Regina in 1994. In 1995, her position was transferred to the Saskatoon Research and Development Centre, where she worked for 29 years.

At Saskatoon, Dr. Boyetchko led a successful research program on the development of biopesticides. Sue had a passion for research, particularly on biocontrol. Sue and colleagues developed the concept of an innovation chain for biopesticides. In this framework, a series of stage gates defined 'go/no-go' decision points associated with crucial steps in the development and commercialization of biopesticides. Sue had a lead role in promoting this approach, which has been widely adopted.

Sue understood the importance of connecting phenotype with genotype, so her team assessed the genome sequences for microbial strains of interest to provide insights into their mode(s) of action. Her team identified a strain of *Pseudomonas fluorescens* (BRG100) that strongly suppressed the growth of the agricultural weed, *Setaria viridis* (green foxtail), as a potential microbial bioherbicide. They also identified a strain of *Pseudomonas chlororaphis* that exhibited antibiosis against *Phytophthora infestans* (cause of late blight on potato) in culture and strongly reduced late blight severity under conditions conducive for disease development. Several novel polyphenolic compounds in *P. chlororaphis* were identified that were responsible for this effect. Recently, the team identified a bacterial strain (*Bacillus* sp. PENS20) as a potential biocontrol agent that inhibited ascospore germination and sclerotium formation of *Sclerotinia sclerotiorum*. Sue's team found that PENS20 induced systemic resistance in canola, resulting in increased expression in hundreds of genes after challenge.

Dr. Boyetchko also took time away from her research to serve as the acting Research Manager in the Saskatoon Research and Development Centre of AAFC for well over a year, where she derived pleasure from facilitating the success of colleagues and staff at the Centre. She was recognized for her research contributions with a team AAFC Gold Harvest Award in 2008 and for career success in World Wide Who's Who Professional of the Year in Agricultural

Science in 2012–2013 and World Wide Who's Who one of Five Top Female Executives (2012–2013).

In addition to being recognized and respected as a scientist, Sue was a fun-loving friend and colleague. Her long-time collaborator at Saskatoon, Dr. Karen Bailey (now retired) recalls spending a few days with Sue in Johannesburg, South Africa after a major scientific conference. Due to political upheaval at that time, Johannesburg was not a safe city, but Sue and Karen were soon bored at the hotel. However, there was a large shopping mall just across the road. The hotel staff advised them not to go out alone and if they did go out, they should move quickly across the street and watch their backs. Once out of the hotel, they realized immediately that this was no place for two wide-eyed female tourists. They locked arms, waited nervously for the light to change and then made a beeline for the mall door. Once inside the mall, feeling safe, they headed off to power shop.

Sue's kindness, respectful attitude and love of life will be missed. Her team members always felt respected, supported and celebrated in their work. Sue's team is working to complete the projects in the biocontrol of *P. infestans* and *S. sclerotiorum* to bring these important biocontrol solutions to completion for the benefit of producers, environmental sustainability and Canadian agriculture.

Tim Dumonceaux, Karen L. Bailey, Gary Peng and Bruce D. Gossen.

Saskatoon Research and Development Centre, Agriculture and Agri-Food Canada, 107 Science Place, Saskatoon, SK S7N0X2, Canada



## Society Business

### CPS Membership Committee - Membership Report

2023 Membership is for the calendar year, January to December 2023.

***CPS Membership Totals 2013-2023:***

2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
		June 8	May	June	June	June	June	June	June	May
<b>315</b>	<b>303</b>	322	304	336	360	334	334	357	302	359
<b>May 23</b>	<b>Sep</b>									
279										
Feb 21										

**2022 Membership by member type:**

	<i>Emeritus</i>	<i>Regular</i>	<i>Student</i>	<i>Technician + Post-Doc</i>	<i>Sustaining Associates</i>	<i>Total</i>
<b>2023 May 23</b>	<b>50</b>	<b>151</b>	<b>62</b>	<b>12 + 22</b>	<b>18</b>	<b>315</b>
2022 Sep	43	155	57	13 + 15	20	303
2021 June	38	163	75	17 + 9	20	322
2020 May	49	153	72	14	16	304*
2019 June	44	175	74	19	13	336*
2018 June	50	194	67	19	15	360*
2017 May	49	174 + 2 + 6 Guest	45 + 2	15	15	319
2016 June	44	199 + 9 Guest	38 + 1 (Guest)	11	18	336
2015 July	47	227	45	11	18	357
2014 Aug	46	204	36	-	16	302
2013 June	62	245	33	-	19	359

\* Including Contacts of Sustaining Associates

**Composition of CPS members:**

**Gender Responses:**

No response: 82 (26%); Male: 134 (42.5%); Female: 99 (31.5%)

**Ethnicity:**

No response 144 (46% of 315)

African: 2, Asian 32, European: 95, Hispanic 7, Middle-East 10, SE Asia: 25

**2023 (2022) Membership by Geographic Region:**

Canada: **290** (262); US: **16** (15); International: **9** (7) (Australia 1, China 3, Haiti 1, Switzerland 2, Trinidad & Tobago 1, United Arab Emirates 1).

*Members by Canadian provinces (by Feb):*

*AB= 55 (40), BC= 51 (49), MB= 45 (41), NB= 5 (7), NL= 2 (3), NS= 5 (5), ON= 66 (64), PEI= 7 (7), QC= 19 (12), SK= 34 (35).*

**Donations to the CPS for 2023 by the following members is appreciated:**

*The donations are designated for student travel awards, student presentation awards, Glen Anderson lecture speaker, Outstanding Young Scientist, Outstanding research, Graduate Student Scholarship or CPS to spend on items as needed. (Please let me know if someone was missed in the list).*

Paige E. **AXELROOD**, Vikram **BISHT**, Greg J. **BOLAND**, Robin K. **CAMERON**, Luc **COUTURE**, William **FRY**, Deanna **FUNNELL-HARRIS**, Bruce **GOSSEN**, Xiang (Sean) **LI**, James (Jim) G. **MENZIES**, Daina **SIMMONDS**, Ashley **DICKSON** (Syngenta), James **TRAQUAIR**, Bharat **YADAV**, Sara **STRICKER**.

*I seek your help to increase awareness of the benefits of joining CPS and encourage your colleagues and students to join.*

*Student members are eligible for a number of awards. Please apply.*

*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:**

Chair and Membership Secretary	Vikram Bisht
Treasurer of CPS	Ken Conn
Regional Rep, Maritimes	Rick Peters
Reg. Rep. Quebec	Mamadou Fall
Reg. Rep. Eastern Ontario	Miao (Mindy) Liu
Reg. Rep. Western Ontario	Ken Conn
Reg. Rep. Manitoba	Fouad Daayf
Reg. Rep. Saskatchewan	Michelle Hubbard
Reg. Rep. Alberta	Syama Chatterton
Reg. Rep. British Columbia	Vippen Joshi

Respectfully submitted, May 23, 2023

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.*



## **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.

### **Presentation slots for the summer and fall are open!**

To sign up for a presentation slot, to get on the mailing list to receive the seminar links, or if you have any questions, please email the Chair of the CPS Education Committee, Linda Jewell, at [Linda.Jewell@agr.gc.ca](mailto: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!



## **CPS Education Committee's Pathogen of the Year**

If you could choose to highlight one plant pathogen, what would you choose and why?

The CPS Education Committee wants YOU to help to highlight the 2023 Pathogen of the Year! The intention of this initiative is to engage with the public and generate interest about plant pathogens!

Submit your suggestion for pathogen of the year using the following survey:  
[https://uoguelph.eu.qualtrics.com/jfe/form/SV\\_8jnpLZiWfoi2RLg](https://uoguelph.eu.qualtrics.com/jfe/form/SV_8jnpLZiWfoi2RLg)



## **The Canadian Phytopathological Society Best Educational Video Awards 2023**

### **Eligibility**

All graduate students, undergraduate students, research technicians, and post-doctoral fellows conducting their research in plant sciences/plant pathology at a Canadian institution are eligible for the awards. However, preference may be given to CPS members. All videos will be viewable during the 2023 CPS Annual Meeting and posted on the society's web page.

### **Rules**

- 1 The video should be focused on a plant disease and must include the host(s), the pathogen, the symptoms, and signs on the host(s).
- 2 The video may be in English or French.
- 3 The video should be entertaining, engaging, and easy to understand by high school and undergraduate students. Creativity is highly encouraged.
- 4 The video should be no more than 5 minutes in length.
- 5 Only one submission per participant will be considered.
- 6 By submitting a video file you indicate your agreement to share the video on the Canadian Phytopathological Society's website and social media channels. Additionally, permission will be granted to share this video with educational institutes worldwide. You retain the right to post and share your own video on your own social media channels.

### **Deadline**

**11:59 PM ET, June 19, 2023**

### **How to submit your video?**

Email your video (.MOV, .MPEG4, .MP4, or .AVI) and the following application form to CPS.Education.Committee@gmail.com. If the size of your file is too large to submit by email, please email this address for further instructions about how to submit.

### **Awards**

**First Prize: \$500, Second Prize: \$300, Third prize: \$200**

All entries will be judged by the CPS Education Committee.

The awards will be presented at the Awards Ceremony during the 2023 Tri-Society Meeting in Ottawa.

## **Societe Canadienne de Phytopathologie 2023 Prix de les meilleure vidéos éducative**

### **Admissibilité**

Tous les étudiants diplômés, les étudiants de premier cycle, les techniciens de recherche et les boursiers postdoctoraux menant leurs recherches en phytologie / pathologie végétale qui travaille ou étudie dans un établissement canadien sont éligibles. Toutefois, la préférence peut être donnée aux membres de la SCP. Toutes les vidéos seront diffusées lors de l'assemblée annuelle de la SCP en 2023 et affichées sur la page Web de la société.

### **Règles**

- 1 La vidéo doit être centrée sur une maladie de la plante et doit inclure le ou les hôtes, l'agent pathogène, les symptômes et les signes apparaissant sur l'hôte ou les hôtes.
- 2 La vidéo peut être en anglais ou en français.
- 3 La vidéo doit être divertissante, attrayante et facile à comprendre pour les étudiants du secondaire et du premier cycle. La créativité est fortement encouragée.
- 4 La vidéo ne doit pas durer plus de 5 minutes.
- 5 Une seule candidature par participant sera prise en compte.
- 6 En soumettant un fichier vidéo, vous indiquez que vous acceptez de partager la vidéo sur le site Web phytopath.ca et sur les médias sociaux. De plus, nous aurons le droit de partager cette vidéo avec des instituts de éducation du monde entier. Vous conservez le droit de publier et de partager votre vidéo sur vos propres canaux de médias sociaux.

### **Date limite**

**23:59 ET, 19 juin, 2023**

### **Comment soumettre votre vidéo?**

Envoyez votre vidéo (.MOV, .MPEG4, .MP4 ou .AVI) et le formulaire de demande suivant à CPS.Education.Committee@gmail.com. Si la taille du fichier de votre vidéo est trop grand pour être envoyée par e-mail, veuillez envoyer un e-mail à cette adresse pour obtenir des instructions supplémentaires sur la manière de soumettre.

### **Prix**

**Premier Prix: 500\$, Deuxième Prix: 300\$, Troisième Prix: 200\$**

Toutes les inscriptions seront jugées par le comité d'éducation de la SCP.

Les prix sera présenté à la cérémonie de remise lors de la réunion de 2023 de les trois sociétés en Ottawa.

## Educational Video Award Application Form/ Formulaire d'application de vidéo éducative



THE CANADIAN PHYTOPATHOLOGICAL SOCIETY

LA SOCIÉTÉ CANADIENNE DE PHYTOPATHOLOGIE

NAME/NOM: \_\_\_\_\_

DEGREE or POSITION/GRADE ou POSITION: \_\_\_\_\_

INSTITUTION: \_\_\_\_\_

DEPARTMENT/DÉPARTEMENT: \_\_\_\_\_

Mailing Address /Adresse postale: \_\_\_\_\_

e-mail address/Courriel: \_\_\_\_\_

Are you a student member of the CPS/Êtes-vous étudiant membre de SCP?

Yes/Oui or No/Non

Title of your Video/Titre de votre vidéo: \_\_\_\_\_

### **Contest Terms / Conditions du concours**

By submitting a video file you indicate your agreement to share the video on the Canadian Phytopathological Society's website and social media channels. Additionally, permission will be granted to share this video with educational institutes worldwide. You retain the right to post and share your own video on your own social media channels.

En soumettant un fichier vidéo, vous indiquez que vous acceptez de partager la vidéo sur le site [www.phytopath.ca](http://www.phytopath.ca) et sur les médias sociaux. De plus, il sera autorisé à partager cette vidéo avec des instituts de formation du monde entier.

## **The Canadian Phytopathological Society Photography and Image Awards 2023**

### **Eligibility**

All students and professionals within the fields of plant sciences and plant pathology are eligible for the awards. However, preference may be given to CPS members. All photos will be posted on the society's web page and social media channels.

### **Rules**

- 1 The image should be clearly show elements relative to the submission category.  
Categories:
  - Plant Pathology in the Field
  - Plant Pathology in the Lab
  - Microscopic Plant Pathology
  - People in Plant Pathology
  - Art in plant pathology
- 2 The image must be accompanied with a description, which should include plant and/or pathogen names.
- 3 Participants may submit photos to multiple categories (one image per category). Participants will be limited to a maximum of one award each.
- 4 By submitting an image file you indicate your agreement to share the image on the Canadian Phytopathological Society's website and social media channels. Additionally, permission will be granted to share these images with educational institutes worldwide. You retain the right to post and share your own image on your own social media channels.

### **Deadline:**

**11:59 PM PT, June 17, 2023**

### **How to submit?**

Email your image (.JPEG, .TIFF, .PNG, .BMP) and description to [CPS.Education.Committee@gmail.com](mailto:CPS.Education.Committee@gmail.com) OR post on Twitter or Instagram with the hashtag #CPSphotos2023. Please clearly identify the submission category and in your email or in the description accompanying your post.

### **Award**

Entries will be judged in each category. All entries will be pre-judged by the CPS Education Committee, and winners from each category will be selected by popular vote during the 2023 Tri-Society Meeting, and award winners will be announced during the awards ceremony.

**For each category: First prize: \$75; Second Prize: \$45**

## **Societe Canadienne de Phytopathologie 2023 Prix pour les photos et images**

### **Admissibilité**

Tous les professionnels des domaines de la phytologie et de la phytopathologie sont éligibles. Toutefois, la préférence peut être donnée aux membres de la SCP. Toutes les images seront affichées sur la page Web de la société.

### **Règles**

1 La photo doit clairement montrer les éléments relatifs à la catégorie de soumission.

Catégories:

- Phytopathologie sur le terrain
- Phytopathologie en laboratoire
- Phytopathologie microscopique
- Personnes en phytopathologie
- L'art en phytopathologie

2 La photo doit être accompagnée d'un fichier texte décrivant la photo, pouvant inclure des noms de plantes et / ou de pathogènes.

3 Les participants peuvent soumettre plusieurs photos (une pour catégorie). Les participants ne seront éligibles que pour un seul prix.

4 En soumettant des images, vous indiquez que vous acceptez de la partager sur le site Web [phytopath.ca](http://phytopath.ca) et les médias sociaux. De plus, l'autorisation sera accordée pour partager ces images avec des établissements d'enseignement mondiale. Vous conservez le droit de publier et de partager votre image sur vos propres canaux de médias sociaux.

### **Date limite:**

**23:59 PT, 17 juin, 2023**

### **Comment soumettre votre photo?**

Envoyez votre photo par courrier électronique avec la description à [CPS.Education.Committee@gmail.com](mailto:CPS.Education.Committee@gmail.com) OU publier sur Twitter ou Instagram avec le hashtag #CPSphotos2023. Veuillez identifier clairement la catégorie de soumission et dans votre e-mail ou dans la description accompagnant votre message.

### **Prix**

Les inscriptions seront jugées dans chaque catégorie par vote populaire lors de la réunion de les trois sociétés. Les gagnants seront annoncés à la cérémonie de remise.

**Pour chaque categorie: Premier Prix: 75\$; Deuxième Prix: 45\$**



## Canadian Plant Disease Survey: Annual Report

In 2022, 53 papers were published in Volume 102 of the Canadian Plant Disease Survey (CPDS) covering the 2021 crop season. Reports included 19 Cereal, 18 Oilseed, Pulse, Forage and Specialty, nine Diagnostic Lab, three Vegetable, two Fruit and Berry, one Forestry report, and the second survey of crop diseases in Yukon Territory. This issue was published online on **July 15, 2022**.

Submissions for the 2023 survey are down slightly from previous years. Currently, 45 reports have been accepted for the 103rd edition of the CPDS comprising 16 Cereal, 15 Oilseed, Pulse, Forage and Specialty, nine Diagnostic Lab, one Berry, three Vegetable reports and the third survey of crop diseases in the Yukon. This issue covering the 2022 crop season is expected to be published online in fall 2023.

Starting with Volume 99 in 2019, the CPS Board of Directors has contracted with Taylor & Francis to publish the survey as an annual, online supplement to the Canadian Journal of Plant Pathology (CJPP). As of May 17, 2023, the 2019 issue (Vol. 99) has been viewed 6145 times, the 2020 issue (Vol. 100) 5813 times, 2021 (Vol. 101) 4228 times and 2022 (Vol. 102) 2595 times.

Since we began publishing the CPDS as an annual supplement to the CJPP, it has not been available online until October/November, instead of May-June. I had hoped that after the first year or two with Taylor and Francis, we would have been able to publish earlier. In 2022, with the help of an experienced publication editor at Taylor and Francis, we were able to achieve a publication date of July 15 for Vol. 102. However, Vol. 103 is currently behind schedule due to delays in article submissions and revisions, so it is not certain whether we will be able to publish before the fall of 2023.

To compensate for the late publication date of the supplement, the Oilseed and Pulse section is sent separately to users by the National Editor each spring so that timely information on disease incidence can be shared and utilized by the industry.

### Editorial Board Updates:

The position of Section Editor for Vegetable crops has been vacant since September 2022. If you are considering volunteering, please contact me. Usually, there are only two or three vegetable reports a year and each is only one or two pages, so it is not a very time-consuming job.

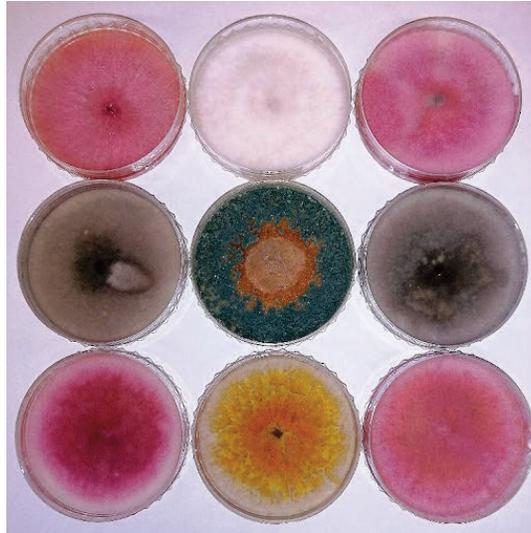
Many thanks, as always, to our authors, section editors, compiler Deidre Wasilyw and the hard-working production editors and typesetters at Taylor and Francis, who help to ensure that the CPDS remains an important and relevant publication for plant disease management in Canada.

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



## Announcements

### **Deposit Your Fungal Isolates with the Canadian Collection of Fungal Cultures (DAOMC)** **Contribute to research and product development in Canada by making your strains accessible**



If you are a plant pathologist working at a company, university or government institute, chances are you have had someone request a pathogen isolate from you. You may have also tried in vain to revive an old isolate from the freezer and emailed around to colleagues looking for a replacement. Although making and filling such requests is generally straightforward, internal requirements around nondisclosure and material transfer can turn a simple strain transfer into a months-long process.

That's where the Canadian Collection of Fungal Cultures comes in.

The Canadian Collection of Fungal Cultures (DAOMC) is the largest collection of its kind in Canada and acts as a repository and distributor of fungal genetic resources for national and international researchers. The DAOMC accepts deposits of unique and useful fungal isolates and maintains those isolates free of charge. For a nominal fee, the DAOMC distributes isolates to researchers who want to use them. When accepting a strain from the DAOMC, the recipient agrees to a simple MTA that prevents them from commercializing or further distributing or releasing it.

By depositing fungal isolates with the DAOMC, plant pathologists make their research accessible to everyone. Requests for isolates from local colleagues or researchers from abroad can be dealt with quickly and easily by referring them to the DAOMC. To place an order from or to deposit material to the Canadian Collection of Fungal Cultures please contact [aafc.culturesfongiques-daomc-fungalcultures.aac@agr.gc.ca](mailto:aafc.culturesfongiques-daomc-fungalcultures.aac@agr.gc.ca).



## Plant Pathology in the Social Media Age: ISPP Survey

Enhancing social media delivery to plant pathologists: time waster or community of trust? Views differ, but there is no denying the potential of social media to enhance plant disease research progress, record keeping and community engagement. Focussing on social media offered by plant pathology societies and plant pathologists, a session at ICPP2023 - *APP-titude for Social Media in Plant Disease Research* will consider the use and engagement with social media by plant pathologists and considers how to improve social media relevance.



The starting point is a survey of the plant pathology community during 2023 to gauge the ethical use of social media to

- improve access to the latest 'hot' findings in plant pathology and food security
- improve extension and enhance contact with farmers and supply chain people
- provide services and inspiration through plant pathology societies
- support mental health and inspire the spirit
- enhance the impact and access to journals and newsletters
- promote meetings and report social news about plant pathologists

We would like to publicise the survey as widely as possible and encourage a wide range of responses. Please help us by taking part in the survey and by publicising the survey among your Society and colleagues.

The survey will help us gain insights for the plant pathology societies and plant pathologists who use, or are considering use of, social media so they might reach their audiences more effectively.

At ICPP2023 and in our report via the ISPP newsletter, survey findings will be summarised under

- topics most important to social media readership
- platforms respondents use to access plant pathology related topics and inspiration
- scientific societies and other sources of plant pathology information and
- the demographic profiles of users and non-users.

Finally, we will hope to identify opportunities for improving social media use to enhance science outreach, career prospects and well-being of plant pathologists.

Participants in the survey will be asked to provide an email address to help avoid duplicate responses or SPAM but this information will remain confidential to ISPP. Here is the link to the survey. Your answer is important! Help us spread and get a large number of responses so that we can achieve meaningful results!

[\*\*Click here to take the survey!\*\*](#)

Submitted by Greg Kohnson and Andrea Masino



## Young Scientists' Corner

### FEATURED STUDENT:

**Harini Aiyer**

University of British Columbia



Harini with her plants

I am a PhD student in the Faculty of Land and Food Systems at University of British Columbia, working under co-supervisors Dr. Luke Bainard (AAFC-Agassiz) and Dr. Jean-Thomas Cornelis (UBC). I completed my BSc in Biomedical Sciences at University of Ottawa and MSc in Agriculture at Dalhousie University.

I have always loved the field of microbiology, fascinated by advances in sequencing technology and their use in understanding microbial interactions with plants and animals. I was

introduced to the world of plant pathology as an Honours student, working under the supervision of Dr. James Tambong (AAFC-Ottawa). My Honours thesis, entitled “Genome sequencing and analysis of selected bacterial pathogens of corn”, focused on using whole genome sequencing for high resolution identification and characterization of species such as *Pectobacterium carotovorum*, *Dickeya zeae*, and *Xanthomonas campestris*. Aside from my own project, I had the opportunity to work on biocontrol assays studying the antifungal effects of *Pseudomonas chlororaphis*. This piqued my interest in learning more about interactions between different microbial communities.

All my interests came together in my MSc project, titled “Effects of cover crops on the soil microbiome and carry over impact on Fusarium root and crown rot in barley and soybean”, which I completed with guidance from my co-supervisors Dr. Adam Foster (AAFC-Charlottetown) and Dr. Claude Caldwell (Dalhousie). We used amplicon sequencing to understand how bacterial and fungal communities responded to growing cover crops, followed by barley or soybean under conservation agricultural practices. Through this project we found that different cover crops can influence the associated soil microbiome, thereby affecting Fusarium root and crown rot incidence and severity in subsequently planted crops. This project helped me realize how interconnected these ecosystems are; with changes in land use practices as well as adverse weather events affecting microbial community composition and function, which then increased or decreased subsequent plants’ resilience to attack by pathogenic microorganisms.

This led me to my current project, which focuses on the effects of cattle grazing management on the soil microbiome. I am hoping to better understand the indirect effects of cattle grazing

on the structure and function of soil microbial communities. We are using shotgun metagenomic sequencing to get more insight into how microbial communities use root exudates released by plants in response to grazing under different environmental conditions.

In the future, I hope to continue my research journey as a scientist with my own lab where I can contribute to improving our knowledge-base about plant-microbe interactions. I would like to thank all my previous and current lab members, supervisors, and colleagues for their guidance, and for helping me find my passion. I would also like to thank my family and friends for all their support.



## 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 53 (4) April 2023

- Fundraising Campaign for ISPP Resilience Bursary for Plant Pathologists
- Türkiye after the earthquake, and impact on plant pathologists and institutions
- Twelfth Update on ISPP Resilience Bursary for Plant Pathologists
- International Day of Plant Health is 12th May
- ICPP2023
- Call for nominations for ISPP Fellows 2023
- ISPP Council 2023-2028
- Second Reminder – Please Complete our Survey on Plant Pathology in the Social Media Age
- Immunized Plants – New book

- Wheat's ancient roots of viral resistance uncovered
- Webinar “Chemical treatments to manage seedborne pathogens” – 21 April 2023
- Research team proves bacteria-killing viruses deploy genetic codeswitching to deceive hosts
- 7th edition of the summer school Plant Health and Quality, University of Angers, France
- Current Vacancies
- Acknowledgements
- Coming Events

### **ISPP Newsletter 53 (5) May 2023**

- Plant Health TV: Promoting the importance of Plant Health research
- DPIRD's animated movie celebrates plant protection on International Day of Plant Health
- Young Filipino researchers recognised for their scientific contribution to Plant Pathology
- Thirteenth Update on ISPP Resilience Bursary for Plant Pathologists
- How expat scientists can help advance science back home
- Agriculture takes over Torino with ColtivaTo
- Notice to ISPP Councillors – Ballot on changes to the ISPP Statutes and Rules of Procedure
- Chat GTP and Plant Pathology in the Social Media Age
- Nematodes: Friend or Foe
- Plant fungus *Chondrostereum purpureum* - Human infection
- Advances in monitoring of native and invasive insect pests of crops – New book
- Webinar “Chemical treatments to manage seedborne pathogens”

- Fungal infections threatening global food security
- Current Vacancies
- Acknowledgements
- Coming Events

### **ISPP Newsletter 53 (6) June 2023**

- :Fourteenth Update on ISPP Resilience Bursary for Plant Pathologists
- Address the growing urgency of fungal disease in crops
- Notice to ISPP Councillors – Changes to the ISPP Statutes and Rules of Procedure Agreed
- Third Reminder - Please Complete our Survey on Plant Pathology in the Social Media Age
- ICPP2023 Joint Satellite Event: Oomycete Molecular Genetics
- Network (OMGN) & 7th International Oomycetes Workshop
- (IOW) (19-20 August 2023 – Lyon France)
- Scientist Kelemu feted with French award
- New artificial intelligence algorithm for more accurate plant disease detection
- Advances in understanding insect pests affecting wheat and other cereals – New book
- Incredible bacterium can transfer its genes into plants and give them superpowers
- GM Cavendish offers safety net to world banana industry
- Obituary of Professor Zoltan Kiraly, 1925-2021
- 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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### Volume 55(4), December / décembre 2023

<b>Up front / Avant-propos</b>	157
<b>Memories of JAM 2022 / Souvenirs de la RAC 2022</b>	160
<b>STEP Corner / Le coin de la relève</b>	164
<b>2022 ESC Student Awards / Bourses d'études de la SEC 2022</b>	166
<b>2023 ESC Student Awards / Bourses d'études de la SEC 2023</b>	168
<b>News from the Regions / Nouvelles des régions</b>	169
<b>Equity, Diversity and Inclusion / L'équité, la diversité et l'inclusion</b>	
Summary of the First ESC EDI Survey: I / Résumé du premier sondage de la SEC sur l'ÉDI : I (Boyd Mori, Catherine Scott, Diana Wilches Correal, Jess Vickruck, Morgan Jackson, Sebastian Ibarra Jimenez)	171
<b>Special Features / Articles spéciaux</b>	
Wider aspects of a career in entomology. 20. Further field adventures (Hugh V. Danks)	181
Highlighting the Work of Canada's Insect Museums and Zoos: Entomica Insectarium, Sault Ste. Marie (Christopher Lee)	189
<b>In Memory / En souvenir de</b>	
Roy Frank Shepherd (Staffan Lindgren and Les Safranyik)	191
<b>Books available for review / Livres disponibles pour critique</b>	193
<b>Book review / Critique de livre</b>	
The Mind of a Bee by L. Chittka (Peter Kevan)	195
<b>Society business / Affaires de la Société</b>	
Call for Nominees: ESC Achievement Awards / Appel à candidature: 2023 Prix d'excellence de la SEC	197
Call for nominations: Societal Director, Director at Large, and Director for Equity, Diversity, and Inclusion / Appel à candidatures : de	

direction sociétale, de conseiller ou conseillère, et administrateur pour l'équité, la diversité et l'inclusion	200
Executive Meeting - Call for Agenda Items / Réunion du conseil exécutif –Points à l'ordre du jour	200
<b>Members' discounts / Remise pour les membres</b>	200
<b>Winners of the 2022 Entomological Society of Canada Photo Contest / Gagnants du concours de photographie 2022 de la Société d'entomologie du Canada</b>	201
<b>Announcements / Annonces</b>	
Advertising in the Bulletin / Publicité dans le Bulletin	203
<b>List of Contents: Regional Journals / Table des matières : Revues des sociétés régionales</b>	204
<b>Contents of newsletters / Contenu des bulletins</b>	
Canadian Weed Science Society / Société canadienne de malherbologie	205
Canadian Phytopathological Society / Société Canadienne De Phytopathologie	206
<b>Meeting announcements / Réunions futures</b>	207
<b>Officers of affiliated societies / Dirigeants des sociétés associées</b>	209
<b>The last word / Le dernier mot</b>	210
<b>Governing board / Conseil d'administration</b>	inside back cover cover



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## Submission Deadline for the September 2023 Issue of CPS-SCP News

**PLEASE NOTE:** The submission deadline for the September 2023 issue of CPS-SCP News is **August 25, 2023**. 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.

