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OPENING CEREMONIES AND ENTOMOLOGICAL SOCIETY OF CANADA ACHIEVEMENT AWARDS

Ambassador 1–2 13:30–15:00 Chair: Rob Johns Session ID: SUN_PM_1
13:30 Welcome to the Joint Annual Meeting — **Kateryn Rochon**
13:50 Greetings from ESC, Achievement Awards Presentation — **Rob Johns**
14:00 Gold Medal Address — **Sandy Smith**

15:00–15:30 Refreshment Break

PLENARY SYMPOSIUM: INSECT APOCALYPSE

Ambassador 1–2 15:30–17:30 Chair: Jason Gibbs Session ID: SUN_PM_1
15:30 **David Wagner:** Status update on North America’s insect biodiversity
16:30 **May Berenbaum:** Insect apocalypse redux—Silent springs, summers, and falls?

WELCOME RECEPTION

Ambassador 1–2 19:30–22:00



STUDENT COMPETITION: PHYSIOLOGY AND GENETICS

Ambassador K 08:30–11:30 Chair: Sheila Wolfe Session ID: MON_AM_1

08:30 **Poudel, Ajay**
Virome characterisation of *Tropilaelaps mercedesae* parasitising *Apis mellifera* and *Apis dorsata* in Thailand: A comparative metatranscriptomic analysis

08:45 **Wickramasinghe, Yashoda**
Evaluating the coinfection dynamics of atypical and typical *Melissococcus plutonius* strains in honey bee larvae and adults

09:00 **Bilton, Bree**
Evaluating the safety and efficacy of fenbendazole as a treatment for nosema disease in Saskatchewan honey bees

09:15 **Strelaeff, Danika**
Cage trials of the DWV honey bee vaccine

09:30 **Rosa-Teijeiro, Chloe**
Tenebrio molitor as an insect model for the toxicopathological effects of microplastic ingestion

09:45 **Currie, Mabel**
The proof is in the midgut: Sanger sequencing reveals mammal hosts of Tabanidae near Manitoba cattle operations

10:00–10:30 Refreshment Break

10:30 **Colman, Olivia**
Assessing the vector potential of bitinfor filarial nematodes in the Canadian Arctic

10:45 **Slobodian, Hunter**
Feasibility of using deoxynivalenol-contaminated barley as a feed source for yellow mealworms

11:00 **Pickett, James**
Antixenosis and antibiosis to the aphid vector *Ericaphis fimbriata* in highbush blueberry: Progress toward resistant cultivars for blueberry scorch virus management

11:15 **Correa Ramos, Jose**
Ground beetle diversity and community composition in pea-canola intercrops

12:00–13:30 Lunch — Prefunction Area

STUDENT COMPETITION: PEST MANAGEMENT

Ambassador 4 08:30–12:00 Chair: Neil Holliday Session ID: MON_AM_2

08:30	Rack, Sydney Entomopathogenic nematodes and fungi as biological control agents for plum curculio (<i>Conotrachelus nenuphar</i>)
08:45	Mackeil, Janelle Two ways to see a fly: thermal forecasting and computer vision in wild blueberry IPM
09:00	Mantel, Margaret (Peggy) Transmission of grapevine red blotch virus by <i>Stictocephala bisonia</i>
09:15	Donker, Dominic The impact of pea (<i>Lathyrus oleraceus</i>)-canola (<i>Brassica napus</i>) intercropping on flea beetle (<i>Phyllotreta</i> spp.) host location, feeding behaviour and crop yield
09:30	Irvine, Jeremy Sweep-net detection limits and sequential sampling for lesser clover leaf weevil larvae in Prairie red clover seed fields
09:45	Woolaver, Amelia Quit bugging me: Indigenous pest management practices in agriculture
10:00–10:30	Refreshment Break
10:30	Liber, Alexandra Development of a kairomone-based monitoring tool for flea beetles, <i>Phyllotreta</i> spp., in canola
10:45	El Hani, Chloe Scents and sensibilities: Assessing the attraction of <i>Coleomegilla maculata</i> to Solanaceae plant volatiles for conservation biological control
11:00	Burgess-Akitt, Zachary Surveying pyrethroid-resistant alfalfa weevil populations across western Canada
11:15	Vieira Santos, Leonardo Late to the party: Predator peaks lag behind alfalfa weevil
11:30	Gao, Yanchen Climate change reshapes global migration pathways of the diamondback moth (<i>Plutella xylostella</i>)
11:45	Ceesay, Sainey Effects of aster yellows phytoplasma infection on the fitness and microbiome of the aster leafhopper, <i>Macrosteles quadrilineatus</i> (Hemiptera: Cicadellidae)

12:00–13:30 Lunch — Prefunction Area

STUDENT COMPETITION: SYSTEMATICS AND BIODIVERSITY

Ambassador 3 08:30–12:00 Chair: Suzie Blatt Session ID: MON_AM_3

- 08:30 **Krongold, Benjamin**
An updated checklist of the ants in Manitoba
- 08:45 **Freeth, Ellen**
Taxonomic study of the halictid bee genus *Lasioglossum* of the Leeward Islands, Lesser Antilles leads to the delimitation of nine new species.
- 09:00 **Rojas-Arias, Laura Alexandra**
Two gynandromorphs in *Heriades cressoni* and *Heriades timberlakei* (Hymenoptera: Megachilidae: Osmiini), first records for the species
- 09:15 **Jackson, Leah**
Updating the Alberta mosquito species list with an accompanying DNA barcode database
- 09:30 **Chiu, Hou Wai Colin**
Are sex chromosomes the key to species trees? Phylogenetic inference amidst rampant discordance in the spruce budworm species complex (Tortricidae: *Choristoneura*)
- 09:45 **Hettiarachchi, Thilina**
Linking bee diversity, plant use, landscape context, and phylogenomics in southern Manitoba grasslands

10:00–10:30 Refreshment Break

- 10:30 **Rowland, Rowan**
Associations between soil disturbance in cereal agricultural systems and carabid diversity in Southern Alberta
- 10:45 **Lechshenko, Veronika**
Syrphid fly bycatch from prairie bee surveys across southern Manitoba grasslands: Diversity, dominance, and comparison with bees
- 11:00 **Giesbrecht, Lesa Shea**
A review of how floral abundance and specialist bee species influence the interpretability of passive pollinator trap data
- 11:15 **Mills, Jennie**
Evaluating truck-based aerial insect sampling as a tool for insect surveillance in Nova Scotia
- 11:30 **Boddez, Ivy**
Wood-inhabiting insect communities following forest fire in Alberta
- 11:45 **Thompson, Ang**
The effect of mountain pine beetle (*Dendroctonus ponderosae* Hopkins) disturbance to spider (Araneae) communities

12:00–13:30 Lunch — Prefunction Area

STUDENT COMPETITION: CONSERVATION AND BENEFICIAL INSECTS

Ambassador 1–2 08:30–12:00 Chair: Nuria Morfin Session ID: MON_AM_4

08:30	Ott, Ethan Analysis of the effects of different cropping systems on carabid (Coleoptera: Carabidae) abundance, size, and wing morphology
08:45	Aguiar-Cordero, Teresa Winners and losers: Do environmental conditions favour pests and beneficial insects differently?
09:00	Wynn-Williams, Sydney Natural enemy responses to perennialization in prairie agroecosystems
09:15	Elsayed, Hadil A multifaceted dilemma: The impacts of anthropogenic threats on insects in protected areas since the 1990s
09:30	Flynn, Sylvain Successional trajectory and recovery of ground beetles among stand ages of black spruce (<i>Picea mariana</i>) following clearcut harvesting using a chronosequence approach
09:45	Shiuly Khan, Ummey Honey Effects of biomass harvest and herbicide application on carabid beetle communities: A 13th-year post-harvest assessment
10:00–10:30	Refreshment Break
10:30	Sanchez Jasso, Jessica Mariana Management influences plant species associated with suitable habitat for Dakota skipper (<i>Hesperia dacotae</i>) in Manitoba
10:45	Athanas, Sophia Developing long-term pollinator habitat in prairie agriculture
11:00	Cullen, Emmelyn Effects of agricultural perennialization on wild bee diversity in Manitoba and Saskatchewan
11:15	Watson, James Impact of bison grazing on wild bee abundance and diversity in Manitoba
11:30	Rajala, Brooke Pollinating insect responses to alternative herbicide treatments in power transmission corridors
11:45	Pollock, Nicola Predictors of habitat use by wild bees across natural and agricultural habitats in Southern Saskatchewan

12:00–13:30 Lunch — Prefunction Area

SYMPOSIUM: GRADUATE STUDENT SHOWCASE

Ambassador 1–2	13:30–15:30	Chair: Berenice Romero	Session ID: MON_PM_1
13:30	Chinchin, Raquel	Spatial ecology of flea beetles in canola fields: Relationships with damage and natural enemies to inform management	
14:00	Stainforth, Emma	What's happening in Nova Scotia? Leafhoppers, their potential biological control agents, and blueberry stunt phytoplasma in Nova Scotia lowbush blueberry agroecosystems	
14:30	Peters, Kira	Understanding potential mechanisms for managing virus spillover to wild bees	
15:00	Vadboncoeur, Émile	Resource availability and physiological demand shape resilience in the house cricket <i>Acheta domesticus</i>	

15:30–16:00 Refreshment Break

POSTER SESSION

TYC Event Centre 16:00_17:30
 16:00–17:30 See list of posters at the end of this document

STUDENT RECEPTION

Torque Brewing (830 King Edward St #330)
 19:30–22:00



POSTER SESSION

TYC Event Centre 08:30–16:00

08:30–16:00 See list of posters at the end of this document

SYMPOSIUM: BORN TO BE WILD

Ambassador 3 09:00–11:45 Chair: Jason Gibbs Session ID: TUE_AM_1

9:00 **Frost, Carol**
How to use agricultural field border vegetation to support specific pollinator species in the Aspen Parkland region of Alberta

9:30 **Domnich, Ilan**
Monitoring Alberta's native bees: Province-wide sampling, DNA metabarcoding, and community stewardship

10:00–10:30 Refreshment Break

10:30 **Gibbs, Jason**
Working with nightmare bees is a dream come true

11:00 **Sheffield, Cory**
The identity of *Megachile vidua* Smith, 1853 with implications on the status of *Megachile (Xanthosarus)* Robertson, 1903 sensu lato (Hymenoptera: Megachilidae)

11:30 **Delano Lewis**
The illusion of stability: Traditional metrics fail to capture butterfly declines in central Alberta

12:00–13:30 Lunch — Prefunction Area



SYMPOSIUM: ARTHROPODS AND CULTURAL IMAGINATION

Ambassador 1 08:30–12:00 Chair: Ang Thompson Session ID: TUE_AM_2

08:30	Berenbaum, May Insects in animated films—Or not all bugs are bunnies
09:00	Acorn, Benjamin Lepidochromy: The forgotten method of butterfly and moth preservation, circa 1665
09:30	Petrov, Julia Creepy-crawly couture: Arthropods in fashion
10:00–10:30	Refreshment Break
10:30	Thompson, Ang Man-bug or bug-man? A look at historical insect artwork from 19th century Britain and France
11:00	Bissette, Stephen Atom Ants, Black Scorpions and Arachnophobia: Insect and arachnid archetypes in pop culture
11:30	Domnich, Ilan From phobia to fascination: Approaches for entomological outreach

12:00–13:30 Lunch — Prefunction Area



SUBMITTED PAPERS: INSECT VECTORS AND PESTS

Ambassador 2 08:30–12:00 Chair: Andi Fischer Session ID: TUE_AM_3

08:30	Krokovsky, Larissa Detection of West Nile virus and canine heartworm (<i>Dirofilaria immitis</i>) in <i>Ochlerotatus trivittatus</i> mosquitoes in southern Ontario
08:45	Drahun, Ivan Mosquito birth control: Synthetic steroids disrupt reproduction in <i>Aedes aegypti</i>
09:00	Spicer, Kathryn Early developmental exposure to low temperatures reduces juvenile survival of fungal infection in the mosquito <i>Aedes aegypti</i>
09:15	MacNeil, Madeline Investigating potential drivers of tick abundance and pathogen prevalence in Nova Scotia
09:30	Cutler, Chris Insect hormesis: Patterns, responses, and trade-offs
09:45	Hervet, Vincent What's bugging farmers' stored grain
10:00–10:30	Refreshment Break
10:30	Sylvestre, Florent Genomics of Nearctic leafhoppers and their symbionts to advance sustainable crop protection
10:45	Perez-Lopez, Edel Establishing the potato leafhopper as a new model for sustainable agriculture
11:00	Rodensky, Teramene Dissecting pea aphid resistance in lentil
11:15	Castro-Torres, Ricardo Can oil residues act like sticky traps? The case of the prickly pear cochineal (Hemiptera: Dactylopiidae)
11:30	Ullah, Aziz Tracking the movement of flea beetles across the Canadian Prairies
11:45	Renkema, Justin Bad news for local beer drinkers: A new invasive flea beetle (<i>Psylliodes attenuata</i>) threatens Ontario and Quebec hops

12:00–13:30 Lunch — Prefunction Area

BIOLOGICAL SURVEY OF CANADA SYMPOSIUM

Ambassador 4	08:30–12:00	Chair: Morgan Jackson	Session ID: TUE_AM_4
8:30	Jackson, Morgan	Welcome & introduction to the Biological Survey of Canada	
08:45	Galloway, Terry	The "Familiarity Gap": A pitfall in the long-term survey of ectoparasites infesting wildlife in Manitoba	
9:00	Proctor, Heather	Bigger birds, more mites? Relationships between host size and feather mite prevalence, abundance and species richness.	
9:15	Douglas, Hume	Targeted detection of new non-native beetles on non-native weeds	
9:30	Scott, Catherine	The future of conferences: Beyond the status quo	
9:45	Jackson, Morgan	Current trends in Canadian entomology: Insects in undergraduate education	
10:00–10:30	Refreshment Break		
10:30	Biological Survey of Canada Workshop		
	The future of Canadian entomology is now		

BIOLOGICAL SURVEY OF CANADA MEET AND GREET

Ambassador 4
12:00–13:30

12:00–13:30 Lunch — Prefunction Area



SYMPOSIUM: ARTHROPODS AND VECTOR-BORNE DISEASES

Ambassador 1–2	13:00–15:00	Chair: David Wade	Session ID: TUE_PM_1
13:00	Voordouw, Maarten	The ecology of ticks that transmit Lyme disease—A tale of mast, mice, and time lags	
13:20	Faraone, Nicoletta	Tick management and tick chemical ecology: New frontiers at the Canadian Tick Research and Innovation Centre	
13:40	Bouchard, Catherine	From outbreak to One Health action: Emergence of anaplasmosis in Québec, Canada	
14:00	Vidya, Elva	Investigating the role of microRNAs on behavioural shifts in <i>Aedes aegypti</i> mosquitoes	
14:20	Soghigian, John	Vector and pathogen: Genomics <i>Culex pipiens</i> and West Nile virus in Alberta	
14:40	Hunter, Fiona	25 Years of mosquito surveillance in Ontario: Discoveries and "never in my lifetime" moments	

SUBMITTED PAPERS: BEHAVIOUR AND ECOLOGY

Ambassador 3	13:30–15:00	Chair: Boyd Mori	Session ID: TUE_PM_2
13:30	Owens, Avalon	Moths are more day-active following a night of flight-to-light	
13:45	Fischer, Andreas	Vulnerability of chemical sexual signals to urbanization: Pollutants impair pheromone signalling in <i>Araneus diadematus</i>	
14:00	Holliday, Neil	Finding a place on the beach: Within-habitat movement in <i>Chlaenius cordicollis</i> (Coleoptera: Carabidae)	
14:15	Pacheco, Ammy	Exploring co-infection dynamics between chronic bee paralysis virus (CBPV) and Israeli acute paralysis virus (IAPV) in <i>Apis mellifera</i> .	
14:30	Kochar, Hargun	Identification of possible genotype dependent virulence of black queen cell virus in honey bees (<i>Apis mellifera</i>)	
14:45	Symak, Brianne	Uncharted territory: exploring Cicadellidae (Hemiptera) communities in Canadian Prairie canola fields.	

SUBMITTED PAPERS: EVOLUTION AND SYSTEMATICS

Ambassador 4	13:30–15:00	Chair: Aziz Ullah	Session ID: TUE_PM_3
13:30	Brunet, Bryan	Illuminating a cryptic species complex through morphometric analysis of the poplar leaf aphid, <i>Chaitophorus populicola</i> (Hemiptera: Aphididae)	
13:45	Marcus, Jeffrey	Mistakes were made: Cryptic species among melanic <i>Junonia</i> butterfly lineages	
14:00	Stormer, Hannah	Developing a portable, in-field eDNA metabarcoding protocol for surveying wetland invertebrate diversity	
14:15	Oram, Ryan	Natural history collections: A second life to your specimens	
14:30	Pan, Tiffany	Investigating the evolution of the loss of blood-feeding in Sabethini mosquitoes	
14:45	Bowden, Joseph	The natural enemies of the eastern spruce budworm (Lepidoptera: Tortricidae) during the epidemic phase in Newfoundland	

15:00–15:30 Refreshment Break

ENTOMOLOGICAL SOCIETY OF CANADA ANNUAL BUSINESS MEETING

Ambassador 4
15:30–16:30

BANQUET AND STUDENT AWARDS

Ambassador 1–2	Chair: Kateryn Rochon
18:30	Cocktails
19:00	Dinner
20:30	Heritage Lecture
21:00	Awards



SYMPOSIUM: MANAGED POLLINATORS

Ambassador 1–2	08:30–12:00	Chairs: Nuria Morfin & Derek Micholson	Session ID: WED_AM_1
8:30	Morfin, Nuria Introduction		
08:35	Pernal, Steve Evaluation of a novel acaricide against <i>Varroa destructor</i>		
08:50	Bahreini, Rassol Evaluating delivery systems for novel acaricide to control <i>Varroa destructor</i> mites in honey bee (<i>Apis mellifera</i>) colonies		
09:05	Tokach, Rogan <i>Tropilaelaps mercedesae</i> : An emerging threat to global apiculture		
09:20	Broccard-Bell, Heather Finding solutions: Recent field trials using formic pro to combat <i>Tropilaelaps</i> in Asia and Europe		
09:35	Foster, Leonard Bringing new technology to bear on honey bee (<i>Apis mellifera</i>) pheromones —We've only seen the tip of the iceberg		
10:00–10:30	Refreshment Break		
10:30	Romero, Berenice Using the honey bee as an invertebrate model for studying Fetal Alcohol Spectrum Disorder (FASD)		
10:45	Newman, Kiera Milkweed cardenolides as a potential natural resource for supporting honey bee health		
11:00	Retzlaff, Jenn Advancing alfalfa leafcutting bee (<i>Megachile rotundata</i>) health and management through applied research on the Canadian Prairies		
11:15	Watt, Caitlin Turn up the heat: Management of the alfalfa leafcutter bee parasitoid <i>Pteromalus apum</i>		
11:30	Van Nest, Byron From dogma to data: Rethinking honey bee behaviour		
11:45	Smid, Deanna The Last Beekeeper x3: Imagining the future of pollinator health		

SYMPOSIUM: APOCALYPSE PLOWED

Ambassador 3	08:40–12:00	Chair: Tyler Wist	Session ID: WED_AM_2
08:40	Mori, Boyd Insecticide susceptibility of flea beetles varies by species and insecticide class in Canadian canola		
9:00	Costamagna, Alejandro Cover crops as a control strategy for flea beetle herbivory in canola crops		

9:20	Vankosky, Meghan Integrated pest management of <i>Delia</i> spp. root maggots in Saskatchewan
9:40	Saguez, Julien Beyond ear damage: The hidden impact of western bean cutworm on mycotoxins and livestock health and productivity.
10:00–10:30	Refreshment Break
10:30	Wist, Tyler Wheat the heck!? Leafhopper vectored aster yellows disease in wheat?
10:50	De Silva Weeraddana, Chaminda Factors influencing oviposition and larval performance of wheat midge
11:10	Evenden, Maya Underground interactions between field pea and larval pea leaf weevils, <i>Sitona lineatus</i> (Coleoptera: Curculionidae), mediated by a pea-rhizobia symbiosis
11:30	Carcamo, Hector Towards a dynamic action threshold for aphids and lygus in lentils

SUBMITTED PAPERS: FORESTRY AND ECOLOGY:

Ambassador 4	09:00–11:30	Chair: Neil Holliday	Session ID: WED_AM_3
09:00	Campbell, Erin Comparative genomics and population structure of the emerald ash borer (<i>Agrilus planipennis</i> Fairmaire) in North America		
09:15	Stockdale, Sammy Evaluating cold tolerance of <i>Laricobius nigrinus</i> for biological control of the hemlock woolly adelgid (<i>Adelges tsugae</i>) in Nova Scotia		
09:30	Byeon, Ui-Joung Responses of Flying Beetle Diversity and Assemblages to Biomass Harvesting Intensity		
09:45	Lee, Seung-Il Exploring forest entomology at Lakehead University: Arthropod biodiversity and sustainable forest management		
10:00–10:30	Refreshment Break		
10:30	Mackay, Pat Population dynamics of a native aphid: Colony structure and abundance		
10:45	Lamb, Robert J. Population dynamics of a native aphid: Impact of predation		
11:00	Kasdorf, Sophie Chronic exposure of crickets (<i>Acheta domesticus</i>) to simulated hypergravity		
11:15	Friesen, Margaret There ought to be a law: Protections needed for insects from anthropogenic non-ionizing electromagnetic fields such as emissions from wireless telecommunications infrastructure		

12:00–13:30 Lunch (on your own)

SYMPOSIUM: EXTENSION APICULTURE

Ambassador 1–2 **13:30–16:30** **Chairs: Derek Micholson & Nuria Morfin** **Session ID: WED_PM_1**

13:30	Micholson, Derek Introduction
13:35	Smid, Deanna Talking to and about honeybees: the history and necessity of beekeeping dialogue
13:50	Broccard-Bell, Heather The effect of timing and application method on efficacy and colony performance of a slow-release formic acid mite treatment
14:05	Tokach, Rogan Managing <i>Varroa</i> : Evaluating treatments from California almonds through North Dakota honey production
14:20	Wickramasinghe, Yashoda Evaluating the coinfection dynamics of atypical and typical <i>Melissococcus plutonius</i> strains in honey bee larvae and adults
14:35–15:00	Refreshment Break
15:00	Vickers, Maren Investigating three pad materials with oxalic acid and glycerin for varroa mite control
15:15	Sharma, Charu Effects of oxalic acid trickle and vapor treatments on varroa mites, virus dynamics, and honey bee colony performance
15:30	Pernal, Stephen Evaluating a new vaccine against American foulbrood disease
15:45	Strelaeff, Danika Cage trials of the DWV honey bee vaccine
16:00	Polinsky, Matthew KRTP overview and updates
16:15	Micholson, Derek Final remarks



LIST OF POSTERS

Poster number	Presenting author and title * after the author's name indicates an entry in the President's Prize Competition
1	Lilja Anderson * Effects of a synthetic queen mandibular pheromone on emergency queen rearing in the honey bee (<i>Apis mellifera</i>)
2	Declan McKelvy Electric bees: Appetitive conditioning to electric field signals in honey bees
3	Sam Bennett * How does organic farming and the landscape context impact pollination services for soybean?
4	Madeleine Dupuis * Mites behind bars: Meta-analysis comparing poultry red mite (Mesostigmata: Dermanyssidae: <i>Dermanyssus gallinae</i>) abundance in cage-free and caged laying-hen (Galliformes: Phasianidae: <i>Gallus gallus domesticus</i>) housing systems
5	Ian M. Scott Bioconversion of Canadian crop residues by black soldier fly (<i>Hermetia illucens</i>) for poultry feed: efficiency and contaminant safety
6	Ophelia K. Carter * Optimizing electrophysiological recording techniques for chemosensory responses of ixodid ticks to volatile organic compounds
7	Natalie Savoia * Evaluation of synthetic plant semiochemicals for Colorado potato beetle (<i>Leptinotarsa decemlineata</i>) management
8	Serena Page Developing pheromone traps to manage riceworm (<i>Apamea apamiformis</i>) infestations in North American wild rice (<i>Zizania</i> spp.)
9	Ahmed Ben Hassine * Understanding and evaluating strategies for controlling leafhoppers using both synthetic insecticides and biopesticides
10	Suzanne Blatt Strategies to improve pesticide efficacy for <i>Delia radicum</i> L. control in Brassicas
11	Kanishka M. Senevirathna Genomic insights into pea aphid biotypes and pyrethroid resistance across the Canadian Prairies
12	Sébastien Boquel Cabbage seedpod weevil in Quebec: Parasitism rate and action thresholds for sustainable management
13	Roselyne Labbé Integrating steam treatment and biological control for management of cyclamen mite (<i>Phytonemus pallidus</i>) in greenhouse strawberry

Poster number	Presenting author and title * after the author's name indicates an entry in the President's Prize Competition
14	Anita Feng * Exploring silver flies (<i>Leucotaraxis argenticollis</i> , <i>Leucotaraxis piniperda</i>) as biocontrol agents of hemlock woolly adelgid in Nova Scotia
15	Sara Edwards Monitoring and management of beech leaf-mining weevil in its invasive range
16	Lauren Des Marteaux New open-source software to rapidly quantify leaf area and insect feeding damage from standardized images
17	Rob C. Johns Adaptive area-wide management for controlling spruce budworm outbreaks: Insights from an early intervention strategy case study
18	Lydia Jocius Evaluating hybridization between the native <i>Laricobius rubidus</i> and the introduced <i>Laricobius nigrinus</i> following biological control releases against hemlock woolly adelgid (<i>Adelges tsugae</i>) in eastern Canada
19	Daniel Z. Lowe Patterns of parasitoid functional diversity and relative parasitism in a spruce budworm (<i>Choristoneura fumiferana</i>) community along Quebec's North Shore
20	Carys McMurray Small pest, big problem: Impact of hemlock woolly adelgid (Hemiptera: Adelgidae) infestations and neonicotinoid insecticide treatments on native insect biodiversity
21	Kristina Wall Effects of herbicide treatments after biomass harvesting on flying beetle diversity and assemblage structure
22	Jacqueline Bowles * Dung beetle and canopy response to grazing by bison on a ranch near Pine River, Manitoba
23	Jaden L. E. Kovacs Diversity and assemblage structure of carabid beetles in beaver habitat
24	Jordanne Jacques Developing an illustrated identification guide to the leafhopper genera of Quebec
25	Daniel J. Erasmus Biodiversity of Ephemeroptera, Plecoptera, and Trichoptera in the Bowron River, BC
26	Yang Liu Functional morphology and kinematics across clicking beetles: a shared jumping mechanism achieved by diverse latching apparatus (Coleoptera: Elateroidea)
27	Yanchen Gao Climate change reshapes global migration pathways of the diamondback moth (<i>Plutella xylostella</i>)