



BeeCon 2022 - A Global Conference for Bee Researchers *Final Schedule*

Hosted by the Centre for Bee Ecology, Evolution and Conservation, York University, Ontario, Canada

Funded by the Faculties of Science, Environmental and Urban Change, and the VPRI, York University

Full program, including abstracts, available at www.yorku.ca/bees/beecon-2022/

BeeCon 2022, Day 1, Thursday, October 13: All Virtual Presentations Streamed Live via Zoom Webinar*

Note: the Zoom link will be sent to all registered participants in advance of the event by beec@yorku.ca

All times are given are in Eastern Daylight Time (Toronto/New York, UTC/GMT -4)

Day	Time (EDT)	Title	Name and Affiliation of Presenter
Thurs	8:00 AM	Welcome to BeeCon 2022!	Centre for Bee Ecology, Evolution and Conservation, York University
Thurs	8:15 AM	Species Diversity of the Apidae Family (Apoidea: Hymenoptera) in District Dehradun, Uttarakhand, India	Shivani Sharma, Senior Research Fellow, Zoological Survey of India (MoEFCC) and Department of Environmental Sciences, Kanya Gurukula Campus, India
Thurs	8:30 AM	A comparison of collection methods for evaluating Canadian bumble bee diversity	Jocelyn Armistead, MSc Student, Brock University
Thurs	8:45 AM	'Every third mouthful...'	Pamela Martin, Artist, Chatwin : Martin
Thurs	9:00 AM	Seasonal impact of landscape complexity, nesting substrate, and nest orientation on cavity-nesting solitary bees in southern Punjab, Pakistan	Mudssar Ali, Assistant Professor Entomology, MNS University of Agriculture, Pakistan
Thurs	9:15 AM	Wild bee utilization of engineered pollinator habitats in eastern Nebraska agroecosystems	Shianne Lindsay, MSc Student, University of Nebraska-Lincoln (UNL), Department of Entomology
Thurs	9:30 AM	Effectiveness of bee pollination on the yield components of broad bean, <i>Vicia faba</i> L. in Ismailia, Egypt	Mohamed Shebl, Professor, Department of Plant Protection, Faculty of Agriculture, Suez Canal University, Egypt
Thurs	9:45 AM	Pollination studies in Shea Parklands in Northern Ghana.	Peter Kwapong, Professor, University of Cape Coast, International Stingless Bee Center
Thurs	10:00 AM	Morning Break (Virtual)	
Thurs	10:30 AM	Announcing Big-Bee: An initiative to promote understanding of bees through image and trait digitization	Madeleine Ostwald, Postdoctoral Scholar, University of California, Santa Barbara
Thurs	10:45 AM	Evidence for lack of bilateral transfer of olfactory learned information in <i>Apis dorsata</i> and <i>Apis mellifera</i>	Meenakshi Vengarai, Postdoctoral, Case Western Reserve University
Thurs	11:00 AM	Pollination biology and pollinator communities of the endangered Willamette Daisy in Oregon Prairies	Scott Harris, Director of Conservation Research, Institute for Applied Ecology
Thurs	11:15 AM	Prescribed fire in grassland restoration is associated with increased plant-pollinator community resilience to plant species losses	Susan Waters, Research Ecologist, Quamash EcoResearch

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Thurs	11:30 AM	Consequences of microsporidian prior exposure for virus infection outcomes and bumble bee host health	Elyse McCormick, Ph.D. Student, University of Massachusetts, Amherst
Thurs	11:45 AM	Variations in bee responses to thermal stress	Victor Gonzalez, Assistant Teaching Professor, University of Kansas
Thurs	12:00 PM	Lunch Break (Virtual)	
Thurs	1:00 PM	The Ontogeny of Sociality in Bumble Bee Queens	Hollis Woodard, Associate Professor; Lead PI, University of California, Riverside; National Native Bee Monitoring Network RCN
Thurs	2:00 PM	Ultrastructural and histological characterisation of the hairiness involved in electrostatic pollination phenomena in species of the genus <i>Bombus</i> from urban and peri-urban areas of Bogotá D.C., Colombia.	Fabián David Rosas Dávila, Biologist, Pontifical Xaverian University of Colombia
Thurs	2:15 PM	Decreases in <i>Centris pallida</i> male head widths across five decades (Hymenoptera: Apidae)	Meghan Barrett, Postdoctoral fellow, California State University Dominguez Hills
Thurs	2:30 PM	Afternoon Break (Virtual)	
Thurs	3:00 PM	Pesticide residues in the hive products and their potential risks to honey bees in China	Hongmei Li-Byarlay, Associate Professor, Central State University
Thurs	3:15 PM	Admixture in Africanized honey bees (<i>Apis mellifera</i>) from Panamá to San Diego, California (U.S.A.)	Daniela Zarate, Postdoctoral Fellow, UC San Diego & UC Riverside
Thurs	3:30 PM	Reconciling estimates of diploid male frequencies in populations of Euglossine bees; allozymes vs. microsatellites	Robin Owen, Professor, Department of Biology, Mount Royal University, Alberta
Thurs	3:45 PM	Wild bees of Manitoba: there's more than you may think	Jason Gibbs, Associate Professor, University of Manitoba
Thurs	4:00 PM	Minnesota Statewide Bee Survey	Jessica Petersen, Invertebrate Ecologist, Minnesota Department of Natural Resources
Thurs	4:15 PM	Bee\$Pay: Calculating honey bee stocking rates for lowbush blueberry and almonds	Richard E.L. (Dick) Rogers, Entomologist / Science Communicator, Bayer Crop Science
Thurs	4:30 PM	A Decade of WPC's Bumble Bee Recovery Program: Annual Surveys	Tiffani Harrison, Ontario Program Coordinator- Native Pollinator Initiative, Wildlife Preservation Canada
Thurs	4:45 PM	An enduring aesthetic appreciation of bees in art and culture through the ages	Kit Prendergast, Bee ecologist
Thurs	5:00 PM	Wrap-up (Virtual)	Centre for Bee Ecology, Evolution and Conservation, York University



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**BeeCon 2022, Day 2, Friday, October 14: All In-Person Presentations, Given Live at York University (LSB 105)
AND Streamed Live via Zoom Webinar**

Note: the Zoom link will be sent to all registered participants in advance of the event by beec@yorku.ca
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Day	Time (EDT)	Title	Name and Affiliation of Presenter
Friday	8:30 AM	Arrival, Networking (In-Person, with Refreshments)	
Friday	9:00 AM	Welcome to Day 2 of BeeCon 2022!	Centre for Bee Ecology, Evolution and Conservation, York University
Friday	9:15 AM	Urbanization effects on wild bee community assemblages and plant interactions	Anthony Ayers, PhD Biology, York University
Friday	9:30 AM	Impacts of systemic insecticide exposure on the movement ecology of bumble bee queens	Amanda Liczner, Postdoctoral fellow, University of Guelph
Friday	9:45 AM	The nuances of neonicotinoids effect on cognition in honey bees	Nadejda Tsvetkov, Postdoctoral Fellow, University of British Columbia
Friday	10:00 AM	Molecular machinery of honey bee (<i>Apis mellifera</i>) detoxification systems: neonicotinoids versus traditional pesticides	Aidan Jamieson, MSc Student, York University
Friday	10:15 AM	Effects of urban land use gradients on the wild bee microbiome	Phuong (Cindy) Nguyen, MSc Student, York University
Friday	10:30 AM	The brain-gut axis of honey bees: Testing how microbiota affect individual and collective behavior	Anna Chernyshova, PhD, Western University
Friday	10:45 AM	Morning Break (In-Person, with Refreshments)	
Friday	11:15 AM	Museomics: a powerful tool to understand wild bees' genetic responses to climate and land use change	Sandara Brasil, Postdoctoral fellow, York University
Friday	11:30 AM	Regulatory changes underly the transition from solitary to social behavior in <i>C. calcarata</i>	Dova Brenman-Suttner, PhD Candidate, York University
Friday	11:45 AM	Is the mutation rate different in bees with varying lifespans?	Clement Kent, adjunct professor, Dept of Biology, York University
Friday	12:00 PM	No evidence of environmental filtering of solitary cavity-nesting solitary bees and wasps via urbanization	Garland Xie, PhD Candidate, University of Toronto Scarborough
Friday	12:15 PM	Dominance hierarchy formation and maintenance in a facultatively social bee species (<i>Xylocopa virginica</i>)	James Mesich, MSc Student, Brock University
Friday	12:30 PM	Honey bee exposure to multi-stressor landscapes	Sarah French, Postdoctoral fellow, York University
Friday	12:45 PM	Closing Comments	Centre for Bee Ecology, Evolution and Conservation, York University
Friday	1:00 PM	Lunch, Networking (In-Person, with Refreshments)	

More Information Available at www.yorku.ca/bees/beecon-2022/



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