



Twelfth International Symposium on Pollination (ISPXII)



16 - 20 October 2023

Kirstenbosch Botanic Gardens, Cape Town, South Africa

PROGRAMME

*Subject to Change

MONDAY, 16 OCTOBER 2023		
08:30 – 10:00	Set up of exhibition tables	
08:30 – 17:30	Registration	
10:00 – 10:30	Symposium Opening Session	
10:30 – 11:00	Tea / Coffee Break	Foyer
Plenary Session		
Chairperson: Connal Eardley		
11:00 – 12:30	Evolution of Flowers Under Pollinator Change	Maria Clara Castellanos
12:30 – 14:00	Lunch Break	Foyer / Gardens
Floral Advertisements		
Organiser and Chairperson: Elza Guimarães & Priscila Tunes		
14:00 – 14:20	Temporal and Spatial Variations in Floral Advertisements	Elza Maria Guimarães Santos
14:20 – 14:40	Landscape-Scale Structuring of Flower Colour Across Pollinator Mosaics in Cape Daisies	Allan G. Ellis
14:40 – 15:00	Does Florivory Affect Floral Scent Emission Along Flower Lifetime?	Priscila Teixeira Tunes
15:00 – 15:20	Pollination Ecotypes: The Key Roles of Flower Color, Morphology and Scent Chemistry in Pollinator Shifts Within Three South African Plant Species	Ruth Cozien
15:20 – 15:50	Tea / Coffee Break	Foyer
Floral Advertisements		
Organiser and Chairperson: Elza Guimarães & Priscila Tunes		
15:50 – 16:10	The Role of Short-Tongued Flies as Pollinators in Southern African High Elevation Systems: A Case Study of <i>Crassula Peploides</i> Crassulaceae	Nkitseng Oageng Modise
16:10 – 16:30	Pollinator-Mediated Adaptive Wandering in a Florally Diverse Annual Daisy: <i>Dimorphotheca pluvialis-sinuata</i> (Asteraceae)	Arjan Engelen
16:30 – 16:50	When Flowers Bleed to Cheat – Deceptive Pollination Strategies in South African <i>Ceropegia</i> (Apocynaceae)	Annemarie Heiduk
16:50 – 17:10	Floral Diversification Driven by A Pollinator Shift in The <i>Duvernoia</i> Clade of <i>Justicia</i>	Arjun Adit
17:10 – 17:30	Can Drought Affect Floral Colour to Bees in An Agricultural Pollination System?	Priscila Teixeira Tunes
17:30	Free Evening	
TUESDAY, 17 OCTOBER 2023		
08:00 – 18:00	Registration	
Plenary Session		
Chairperson: Patricia Nunes Silva		
09:00 – 10:30	So, You Want to Study Orchid Pollination: Maximizing Observations and Data Sets	Peter Bernhardt
10:30 – 11:00	Tea / Coffee Break	Foyer
Climate Change & Land Use Effects on Pollinators		
Organiser: Patricia Nunes Silva		
Chairperson: Sjirk Geerts		
11:00 – 11:30	Moving With Your Mutualist: Predicted Climate-Induced Mismatch Between Proteaceae Species and Their Avian Pollinators	Sjirk Geerts

11:30 – 11:50	Soil And Atmospheric Nutrient Enrichment Alter How Larger Plant-Pollinator Networks Organized Across the Globe	Adrian David Gonzalez Chaves
11:50 – 12:10	The Buzz About Town: The Effects of Urbanisation on Bee and Wasp Communities in Cape Town, South Africa	Gemma Walker
12:10 – 12:30	Drivers Of Diversity and Community Structure of Bees in an Agroecological Region of Zimbabwe	Gugulethu Tarakini
12:30 – 14:00	Lunch Break	Foyer / Gardens
Climate Change & Land Use Effects on Pollinators		
Organiser: Patricia Nunes Silva		
Chairperson: Sjirk Geerts		
14:00 – 14:20	Relationship Between Temporal Dynamics of Flowers and Climate Change	Amanda Eburneo Martins
14:20 – 14:40	Bee Functional Traits and Climate Variability Drive Bee Phenological Patterns in Tropical and Subtropical Regions	Paula María Montoya Pfeiffer
14:40 – 15:00	Understanding the Impacts of Climate Change on Lepidopteran Pollinator Communities: Insights from a 30-Year Dataset in Finland	Emilie E. Ellis
15:00 – 15:20	Fire Maintains Coexistence of Divergent Flower Forms	Sam Zamosa McCarren
15:20 – 16:00	Tea / Coffee Break	Foyer
Pollinator Taxonomy		
Organiser and Chairperson: Connal Eardley		
16:00 – 16:20	A Growing Need for Taxonomy	Connal Eardley
16:20 – 16:40	Characterization Of the Diversity of Pollinating Insects and Their Interactions with The Flora of the “Agro Forêts Pour Le Développement De Kipushi” (Afodek) Perimeter.	Pierre Makolo Kasongo
16:40 – 17:00	A Knowledge Collation Process Towards SANParks’s First State of The Knowledge Report on Invertebrates and Pollinators	Tlou Masehela
17:00 – 17:30	Honey, How the Environment Impacts on the Sensory Properties of Honey	Natasha Lyon
17:30 – 18:30	ICPPR Meeting	
18:30	Free Evening	

WEDNESDAY, 18 OCTOBER 2023		
08:30 – 17:00	Registration	
Plenary Session		
Chairperson: Patrícia Nunes-Silva		
09:00 – 10:30	A Walk of 20 Years for Bumble Bee Health: From Risk Assessment of Pesticides Towards Entomovectoring for Enhanced Pollination and Biocontrol	Guy Smagghe
10:30 – 11:00	Tea / Coffee Break	Foyer
11:00 – 12:30	Poster Session	
12:30 – 14:00	Lunch Break	Foyer / Gardens
Crop Pollination		
Organiser: Patrícia Nunes-Silva		
Chairperson: Katja Hogendoorn		
14:00 – 14:20	Enhancing Apple Pollination Under Net	Katja Hogendoorn
14:20 – 14:40	Development of Pollinator-Friendly Flower Mixes to Support Conservation in West African Urban Gardens	Lauren Lynch
14:40 – 15:00	Morphological Variation of Blueberry Flowers and Pollination	Patrícia Nunes-Silva
15:00 – 15:20	Understanding Insect Pollinator Dynamics in The Agricultural Highlands of Guatemala	Natalia Escobedo-Kenefic
15:20 – 16:00	Tea / Coffee Break	Foyer
Crop Pollination		
Organiser: Patrícia Nunes-Silva		
Chairperson: Katja Hogendoorn		
16:00 – 16:20	Influence Of the Behavior of Wild Bees (Hymenoptera: Apoidea) And the Presence of Viruses in Coffee Production	Patricia Landaverde
16:20 – 16:40	Future Trajectory of Crop Pollination Service Demand in South Africa Necessitates Monitoring of <i>Apis mellifera</i> And Native Pollinator Habitat	Ruan Veldtman
16:40 – 17:00	Increasing Yield of Hass Avocado by Adding Bumble Bee (<i>Bombus terrestris</i>) To the Orchards	Raphael A. Stern
17:00	Free Evening	

THURSDAY, 19 OCTOBER 2023		
08:30 – 17:30	Registration	
Plenary Session		
Chairperson: Connal Eardley		
09:00 – 10:30	Oligolecty in Bees: Predictable Plethora or Poisonous Pollen	Katja Hogendoorn
10:30 – 11:00	Tea / Coffee Break	Foyer
Non-Apis Pollinators of Crops		
Organiser: Mohamed Shebl		
Chairperson: Massimo Nepi		
11:00 – 11:20	Trap Nesting: An Easy Way to Conserve Leafcutter Bees for Enhanced Pollination in Pigeon Pea	Amala Udayakumar
11:20 – 11:40	Evolutionarily Inspired Solutions to The Crop Pollination Crisis	Timotheüs van der Niet
11:40 – 12:00	Non-Protein Amino Acids of Floral Nectar Affects Survival and Locomotion of Pollinators	Massimo Nepi
12:00 – 12:20	Native bee communities in agroecosystems of the lower Mississippi Alluvial Valley, United States	Katherine A. Parys
12:20 – 14:00	Lunch Break	Foyer / Gardens
Plant-Pollinator Interactions & Pollination		
Organiser and Chairperson: Patrícia Nunes-Silva		
14:00 – 14:20	The Economy of Pollen Dispersal in Flowering Plants	Lawrence D. Harder
14:20 – 14:40	An Improved Interpretation of Holocene Fossil Pollen Archives Based on The Understanding of The Pollen Vegetation Relationship and Pollination Pathways in The Savanna Biome of The Greater Kruger National Park, South Africa	Nikiwe Ndlovu
14:40 – 15:00	Who Is the Best Pollinator? Tracking The Pollen Fate of a Buzz Pollinated Plant	Amanda Vieira da Silva
15:00 – 15:20	Southern Afrotropical Forest Trees Are Pollinated by A Diverse Array of Diurnal and Nocturnal Insects	Rudi Crispin Swart
15:20 – 15:50	Tea / Coffee Break	Foyer
Plant-Pollinator Interactions & Pollination		
Organiser and Chairperson: Patrícia Nunes-Silva		
15:50 – 16:10	The Influence of Nectar Robbers in Shaping Flower Colour	Anina Coetsee
16:10 – 16:30	Towards A Causal Understanding of Pollination Success: Introducing A Path Analysis Approach to Complement the Pollen Limitation Index, Index of Self-Incompatibility, And Other Ratio Variables in Pollination Ecology	James G. Rodger
16:30 – 16:50	Generalist pollinators underlie the function and evolution of heterostyly: studies across all angiosperm genera and in Linum species	Violeta I. Simón-Porcar
16:50 – 17:10	Evaluation Of Plant-Pollinator Interactions in The Brazilian Cerrado	Kayna Agostini
17:10 – 17:20	Pollination Biology of Enantiostylous Cyanella Alba: Where Are the Buzz-Pollinating Bees?	Alice Fairnie
17:20	Free Evening	

FRIDAY, 20 OCTOBER 2023		
08:30 – 15:30	Registration	
Plenary Session		
Chairperson: Patrícia Nunes Silva		
09:00 – 10:30	Bee Protection- Who, Why, When, How? Bee Health, Pesticides, Testing and Risk Assessment- Hazard and Risk to Bees, International Developments and The Role, Achievements and Challenges of The ICPPR Bee Protection Group	Jens Pistorius
10:30 – 11:00	Tea / Coffee Break	Foyer
Traditional Knowledge and Pollination		
Organiser and Chairperson: Patricia Landaverde		
11:00 – 11:20	Perception Of Farmers on The Relationship Between Wild Vegetation and Insect Pollinators on A Highly Heterogenous Agricultural Highlands Landscape of Guatemala	Natalia Escobedo-Kenefic
11:20 – 11:40	Traditional Slash and Burn Milpa Agriculture in Mesoamerica and its Effect on Pollinators and Their Pollination Services	Patricia Landaverde

11:40 – 12:00	Seams in the Forest Fabric: The Role of Pollinators in Supporting Forest-Dependent Livelihoods	Christine Rose Coppinger
12:00 – 12:20	Insects, Gm Maize and Changing Agricultural Knowledge Landscapes in South Africa	Maya Marshak
12:20 – 13:50	Lunch Break	Foyer / Gardens
Tools for Studying Pollination and Pollinators		
Organiser and Chairperson: Connal Eardley		
13:50 – 14:10	Citizen Science as A “Hands-On” Tool to Link Science Learning to Conservation on Pollinators and Pollination Service	Fabiana Oliveira da Silva
14:10 – 14:30	Close-Focusing Camera Traps: A Valuable New Tool for Pollination Studies	Steven Johnson
14:30 – 14:50	Using Nectar Landscapes to Assess Competition Between Domesticated Honeybees and Wild Insects in South Africa and Scotland	Maisie Brett
14:50 – 15:10	Standardizing Bee Sampling: A Systematic Review of Pan Trapping and Associated Floral Surveys	André Krahnert
15:10 – 15:30	Tea / Coffee Break	Foyer
15:30 – 16:00	Symposium Closing & Awards Ceremony	