

# First Announcement and Call for Abstracts



## 36th Annual Meeting of the International Society of Chemical Ecology

Stellenbosch, South Africa | 6-11 September 2020

### CHEMICAL ECOLOGY AND SUSTAINABLE DEVELOPMENT

The 36th annual meeting of the ISCE will be held in Stellenbosch, South Africa and hosted by Drs. Jeremy Allison (Canadian Forest Service), Christian Pirk (University of Pretoria), Francois Roets (Stellenbosch University) and Bernard Slippers (FABI, University of Pretoria).

The theme of the conference "Chemical Ecology and Sustainable Development" will emphasize the immense potential chemical ecology has to both inform our understanding of the natural world and the potential for practical applications. Talks will cover the chemistry, biochemistry and function of

natural products, their importance at all levels of ecological organization in diverse taxa, and their evolutionary origins.

We invite you to reserve the date of 6 – 11 September 2020 to attend the meeting of the International Society of Chemical Ecology, possibly present in one of the symposia and experience the beautiful Cape region of South Africa. The symposia and organisers are listed below and the abstract template, key dates and additional information are available on the conference website at [www.isce2020.science](http://www.isce2020.science)

SYMPOSIA	ORGANIZERS
Application of Semiochemicals in insect pest management	Aijun Zhang and Jian Chen
Chemical ecology in the Anthropocene	Shannon Olsson
Chemical ecology of disease vectors: from fundamental to applied research	Marcelo Lorenzo and Rickard Ignell
Eusocial Insects: chemical ecology of social organisation at the genetic, behavioural and ecological levels	Anne-Geneviève Bagnères-Urbany, Robin Crewe, Baldwyn Torto, Yusuf Abdullahi Ahmed
Chemical ecology of fruit flies: from olfactory and behavioral mechanisms to pest management	Dong Cha and Paul Cunningham, Alvin Hee
Chemical ecology of marine holobionts	Catherine Leblanc and Soizic Prado
Chemical mediators of antagonistic and mutualistic interactions with fungi	Marko Rohlfs
Chemical mimicry	Andreas Jürgens and Katherine Goodrich
Commercialization of pheromone-based mating disruption: a success story for chemical ecology	Larry Gut and Don Thomson
Evolution of Plant Chemical Defenses	Shuqing Xu
Insect olfactory neuroethology	Bill Hansson
Insect physiological responses to plant toxins	Susanne Dobler and Franziska Beran
Low and high molecular weight secondary metabolites of microorganisms structure ecological niches	Birgit Piechulla
Recent discoveries and new approaches to the study of plant volatiles and their roles in plant communication	Andrea Clavijo-McCormick
Sexual communication in the Hymenoptera	Joachim Ruther and Johannes Stöckl
The attractive/ repellent chemistry of flowers: pollinators, robbers and florivores	Felipe Yon, Alexander Haverkamp and Julia Bing
Commemorating Prof. Kenji Mori - Synthesis and Chemical Ecology	Stefan Schulz
The role of volatiles in mediating specialized plant-pollinator interactions	Steven D. Johnson and Stefan Dötterl
Using chemical ecology in push-pull control of insect pests: from theory to implementation	John Pickett

