



## Scientific Program of the 8<sup>th</sup> EOC Symposium

### Green Pesticides: Development and Application

On line mode

Zoom ID: 836 7435 3136, Password: 377682

### Saturday, July 9, 2022

- 8:30 – 8:40      **Welcome Remarks**    Chaired by *Prof. Zhen Xi*
- Session I. Chair: *Prof. Zhen Xi*
- 8:40 – 9:25      **Prof. Xuhong Qian** (East China Normal University)
- Pesticides Crystalline Polymorph and Micro/Nano fluidics*
- 9:25 – 10:00     **Prof. Hanhong Xu** (South China Agricultural University)
- Fine Tuning of Agrochemical Transporter in Crop: A New Way to Improve Pesticide Bioavailability*
- 10:00 – 10:10    **Coffee Break**
- Session II. Chair: *Prof. Qingmin Wang*
- 10:10 – 10:45    **Prof. Xili Liu** (Northwest A&F University)
- Resistant Risk and Mechanism of OSBPI Fungicides in *Phytophthora spp.**
- 10:45 – 11:20    **Prof. Feng Zhang** (Nanjing Agricultural University)
- Discovery of the Target for Phenamacril and Creation of Novel Myosin Inhibitors with Broad-Spectrum*
- 11:20 – 11:40    **Prof. Huahua Sun** (Nankai University)
- Sodium Channel Mutations and Insecticide Resistance*



## Saturday, July 9, 2022

Session III. Chair: *Prof. Xiaohua Xu*

14:00 - 14:35 **Prof. Yongquan Zheng** (Institute of Plant Protection, Chinese Academy of Agricultural Sciences)

Progress on Risk Identification and Control of Pesticide Application

14:35 – 15:10 **Prof. Zhijin Fan** (Nankai University)

Studies on the Plant Immunity Activation Based Novel Pesticide Development and its Mode of Action

15:10 – 15:45 **Prof. Xinling Yang** (China Agricultural University)

A Novel Bee-friendly Peptidomimetic Insecticide

15:45 – 15:55 **Coffee Break**

Session IV. Chair: *Prof. Chi Zhang*

15:55 – 16:30 **Prof. Changling Liu** (Shenyang Research Institute of Chemical Industry)

The Discovery of Novel Herbicide SY -1604 for Controlling Glyphosate Resistant Weeds

16:30 – 16:50 **Dr. Dawei Wang** (Nankai University)

Discovery and Mechanism Study of Novel Strigolactone Agonists



## Sunday, July 10, 2022

Session V. Chair: *Prof. Zhong Li*

8:30 – 9:15 **Prof. Bart Kahr** (New York University)

Mosquito Meets Crystal

9:15 – 9:50 **Prof. Guangfu Yang** (Central China Normal University)

Chemical Biology of 4-Hydroxyphenylpyruvate Dioxygenase and  
Herbicide Discovery

9:50 – 10:00 **Coffee Break**

Session VI. Chair: *Prof. Zhijin Fan*

10:00 – 10:35 **Prof. Wensheng Xiang** (Northeast Agricultural University)

Discovery and Application of Natural Plant Growth Regulator  
Gvermectin

10:35 – 11:10 **Prof. Qing Yang** (Institute of Plant Protection, Chinese  
Academy of Agricultural Sciences)

Exploring Chitin Degradation and Synthesis Enzymes as Novel  
Pesticides Targets

11:10 – 11:45 **Prof. Peng Wang** (China Agricultural University)

Environmental Behavior and Risks of Pesticides



## Sunday, July 10, 2022

Session VII. Chair: *Prof. Xinling Yang*

14:00 - 14:45 **Prof. Qing X. Li** (University of Hawaii at Manoa)

Pesticide R&D: Perspective

14:45 - 15:10 **Prof. Zhong Li** (East China University of Science and Technology)

Structural Diversity and Biological Activities of *cis*-Neonicotinoids

15:10 - 15:30 **Prof. Jingxiang Yang** (Nankai University)

Crystal Engineering for Better Agrochemicals

15:30 - 15:40 **Coffee Break**

Session VIII. Chair: *Prof. Guangfu Yang*

15:40 - 16:15 **Prof. Qiliang Huang** (Institute of Plant Protection, Chinese Academy of Agricultural Sciences)

Advances on Target Dose Transfer and Enhancement of Pesticides

16:15 - 17:00 **Prof. Bao'an Song** (Guizhou University)

Innovation and Application of High-efficiency and Low-risk Small Molecule Green Pesticides

17:00 - 17:05 **Closing Remarks** (Given by *Prof. Chunming Cui*)