



# International Symposium on Weed Management and Biosafety

(2<sup>nd</sup> Round of Announcements)

## 1. Background

Weeds have great impact on crop growth and agricultural production as they always co-occur with crops, inflicting yield losses and diminishing quality. China is one of the countries where weeds have most severely effects. During the agricultural transformation process, the contradiction between the demand for weed control and control technology has become increasingly prominent, which has threatened the sustainable development of agriculture and national food security. The current agricultural technology revolution, which is marked by the popularization and cultivation of genetically modified crops, especially those resistant to herbicides, and the rapid scientific and technological development, especially in areas such as information technology, robotics, nanomaterials and molecular biology (CRISPR-Cas9, RNAi and Omics studies.), not only have had far-reaching impacts on agricultural production, but also have greatly enriched the connotation of weed control, and provided greater possibilities for developing new weed control technologies in the future. The excessive dependence on chemical herbicides for weed control has led to many serious problems in China: increasing number of cases and severity of herbicide resistance, rapid weed population shifts, spreading of aggressive and hard-to-control weed, serious and widespread herbicide damage to crops. Besides, invasive plants are causing increasing economic losses and ecological damage. The Chinese government has proposed that agricultural development in the future should ensure the zero increase in the use of pesticides. The "double reduction" policy of pesticides and chemical fertilizers is conducting to ensure the ecological safety and food quality. Under the above circumstances, weed scientists face new challenges in finding ways to control weeds efficiently and economically, ensuring the safety of crop production. To discuss these problems, the new advances in weed research and the new technology of weed control, the International Symposium on Weed Control and Biological Safety will be held in Nanjing, Jiangsu Province, in November 2018 jointly by the Weed Science Branch of Jiangsu Association of Agricultural Science Societies, the Biosafety Association of the Chinese Society of Agricultural Biotechnology, Weed Science Society of China Society of Plant Protection.





We enthusiastically invite both domestic and foreign weeds scientists and managers and the representatives of domestic and foreign enterprises to discuss the challenges and countermeasures of weeds science.

## 2. Main Topic

### 2.1 Keynote Lecture

Speaker	Institute	Title
Stephen Powles	The University of Western Australia, Australia	Herbicide resistance around world and its control
Bernal Volverde	Former president in International weed society, Costa Rica	Multiple-herbicide resistant weeds : a menace to global rice production
Dabing Zhang	Shanghai Jiaotong University, China	Molecular characteristics of transgenic organisms
HeeNam Lim	Korea institute of chemical technology, Korea	Frontiers of agrochemical research in the Korea Research Institute of Chemical Technology(KRICT)
OkJae Won	Chung Nam university in South Korea, Korea	Distribution and Mechanism of ALS and ACCase Inhibiting Herbicide Resistant Echinochloa oryzicola in Korea
Degang Zhao	Guizhou Academy of agricultural sciences, China	Genetic engineering safety strategy and its application of cropland weed control
Chaoxian Zhang	Former president in Chinese Weed Society, China	Herbicide resistant weeds in China
Longjiang Fan	Zhejiang University, China	The Echinochloa genomes and their interactions with rice
Weijun Zhou	Zhejiang University, China	Root parasitic weed broomrape issues and its possible management solutions
Shiguo Chen	Nanjing Agricultural University, China	Mechanism of singlet oxygen signaling during weed disease development caused by Necrotrophic Alternaria alternata

### 2.2 Lecture on identification and control of weed species

Sheng Qiang	Nanjing Agricultural University, China	Weed identification
Yuanlai Lou	Jiangsu Academy of agricultural sciences, China	Weed occurrence and control in paddy field, Jiangsu province





## 2.3 Annual Meeting of Weed Science Branch of Jiangsu Association of Agricultural Science Societies (Weed Science Society of Jiangsu Province)

### 3. Conference Fee

Registration Fee: 1200 RMB;

Registration Fee only for students: 700 RMB;

### 4. Dates and Venue

**1. Dates:** 11-13 November, 2018.

All-day registration is on 11<sup>th</sup> November, opening ceremony on the 12<sup>th</sup>, and plenary lectures, presentations and discussion on the 12<sup>th</sup> and 13<sup>th</sup>.

**2. Venue:** Purple-east Ecological Conference Center, Zidong road 2, Qixia district, Nanjing City, China Nanjing, China.

南京紫东酒店(紫东生态会议中心), 中国 南京 栖霞区紫东路2号





## 5. Organizers

### Organizers:

Weed Science Branch of Jiangsu Association of Agricultural Science Societies  
(Weed Science Society of Jiangsu Province)

Biosafety Association of the Chinese Society of Agricultural Biotechnology

Weed Science Society of China Society of Plant Protection

**Co-organizers:** Nanjing Agricultural University, Nanjing University,

**Undertaker:** Weed Research Laboratory, Nanjing Agricultural University

## 6. Instructions on Conference Paper Submission:

Anyone who would like to present a scientific paper in a plenary, oral or poster session should submit an abstract to the Congress office ([sxl@njau.edu.cn](mailto:sxl@njau.edu.cn)) by **1 th November**.

## 7. Contacts:

Dr. Weimin DAI

Weed Research Laboratory, Nanjing Agricultural University, Nanjing 210095,  
China Tel & Fax. 86-25-84395117, mobile phone:13451810876 Email:  
[daiweimin4@njau.edu.cn](mailto:daiweimin4@njau.edu.cn)

Dr. Xiaoling SONG

Weed Research Laboratory, Nanjing Agricultural University,  
Nanjing 210095, China  
Tel & Fax. 86-25-84395117, mobile phone:18951941530  
Email: [sxl@njau.edu.cn](mailto:sxl@njau.edu.cn)

Dr. Yanjun PANG

College of Life Science, Nanjing University,  
Tel & Fax. 86-25-89686820, mobile phone: 13072518481  
Email: [pangyj@nju.edu.cn](mailto:pangyj@nju.edu.cn)

**2018.10.15**

