

SD 2022

**TENTH INTERNATIONAL SYMPOSIUM OF
CHEMICAL AND NON CHEMICAL SOIL
AND SUBSTRATE DISINFESTATION**

Qingdao, China

October 2022



ORGANIZERS:

- **Institute of Plant Protection, Chinese Academy of Agricultural Sciences**
- **Branch of Soil Disinfestation, Chinese Society of Agro-ecological Environment Protection**
- **International Society of Plant Pathology**
- **International Society of Horticultural Sciences**

INTERNATIONAL SCIENTIFIC COMMITTEE (ISC)

- Aocheng Cao (Chinese Academy of Agricultural Sciences, Beijing, *China*)
- Eris Tjamos (Agricultural University of Athens, *Greece*)
- Maria Lodovica Gullino (Agroinnova, University of Torino, *Italy*)
- Angelo Garibaldi (Agroinnova, University of Torino, *Italy*)
- Jaacov Katan (University of Jerusalem, *Israel*)
- Abraham Gamliel (Agricultural Research Organization Volcani Center, *Israel*)
- Joeke Postma (Plant Research International, Wageningen, *The Netherlands*)
- Mark Mazzola (USDA-ARS, Washington State, *USA*)
- Alphons Vanachter (Scientia Terra Research Institute, *Belgium*)
- Richard Falloon (Lincoln University, *New Zealand*)
- Dan Chellemi (California, *USA*)
- Riccardo Savigliano (UNIDO, Vienna, *Austria*)
- Esserrhini Laraisse (UNIDO, Juba, *South Sudan*)
- Maria del Mar Guerrero Diaz (Instituto Murciano de Investigacion y Desarrollo)
Agrario y Alimentario (Murcia, *Spain*)
- Khoury Wafa (IFAD, Rome, *Italy*)
- Krishna Subbarao (University of California, Davis, California, *USA*)
- Dong Wang (USDA-ARS, *USA*)

LOCAL ORGANIZERS

**Institute of Plant Protection, Chinese Academy of
Agricultural Sciences**

**Branch of Soil Disinfestation, Chinese Society of Agro-
Ecological Environment Protection**

Local Organizing Committee

Aocheng Cao (Chinese Academy of Agricultural Sciences, Beijing)

Quanhui Wang (Branch of Soil Disinfestation, Chinese Society of Agro-Ecological Environment Protection)

Yanping Zhang (Branch of Soil Disinfestation, Chinese Society of Agro-Ecological Environment Protection)

Jie Huang (Branch of Soil Disinfestation, Chinese Society of Agro-Ecological Environment Protection)

Qiuxia Wang (Chinese Academy of Agricultural Sciences, Beijing)

Yuan Li (Chinese Academy of Agricultural Sciences, Beijing)

Canbin Ouyang (Chinese Academy of Agricultural Sciences, Beijing)

Dongdong Yan (Chinese Academy of Agricultural Sciences, Beijing)

Local Organizing committee in Qingdao

Zhaolong Ding (Zhaolong Technology Development Co., Ltd.)

Yuejin Wang (Longkou Chemical Factory)

Yan Chen (Zhaolong Technology Development Co., Ltd.)

Zhenwei Wang (Anqiu Supply and Marketing Co., Ltd.)

Bingyong Zhao (Anqiu Supply and Marketing Co., Ltd.)

Zhaoling Qu (Shandong Energy and Environmental Protection Station)

Yue Yan (Shandong Energy and Environmental Protection Station)

Why we choose Qingdao City

Qingdao is located in the southeast coast of the Shandong Province, bordering the Yellow Sea, with a total area of 11,282 km². The total resident population is 9.29 million.

She is considered as the economic center of Shandong Province, important coastal center city, coastal resort city, international port city, Northeast Asia international shipping hub, and marine sports base.



Famous for Grape cultivation, Qingdao Beer and Laoshan Tea



Qingdao has a temperate marine climate. The air is humid, the rainfall is abundant, the temperature is moderate, and the four seasons are distinct.

Qingdao's famous tourist attractions include Badaguan, Zhanqiao, Lushan North Jiu Shui Scenic Area, Olympic Sailing Center, Xiao Qingdao, Signal Hill, and so on.



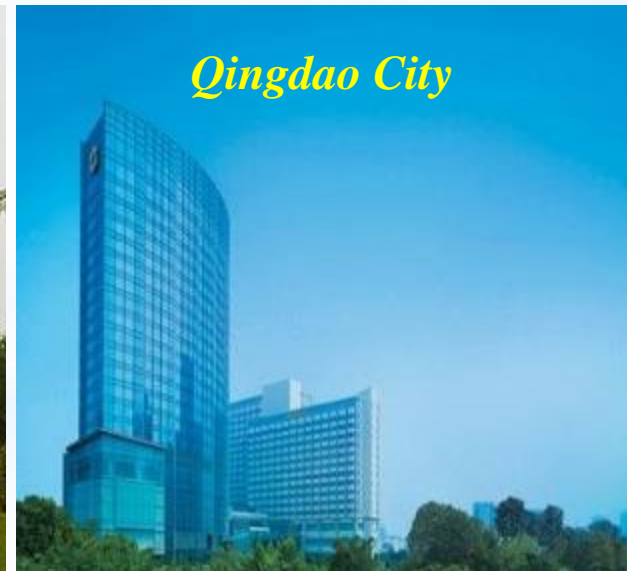
Laoshan



Badaguan



zhangqiao



How to get to Qingdao

There are international flights from Frankfurt, San Francisco, Los Angle, Melbourne, Sydney, Vancouver, London, Mosco, Tokyo to Qingdao directly.

There are more than 10 flights from Beijing, Guangzhou, Shenzhen and 20 flights from Shanghai everyday. All Chinese Provincial cities have flights to Qingdao every day.

There are high speed trains to Qingdao from Beijing, Shanghai and other provincial cities.

Advantages for the participants

Many direct flights or high speed trains from Beijing to Qingdao with low cost fares

Many hotels to be selected for all kinds of accommodation

Low registration fees

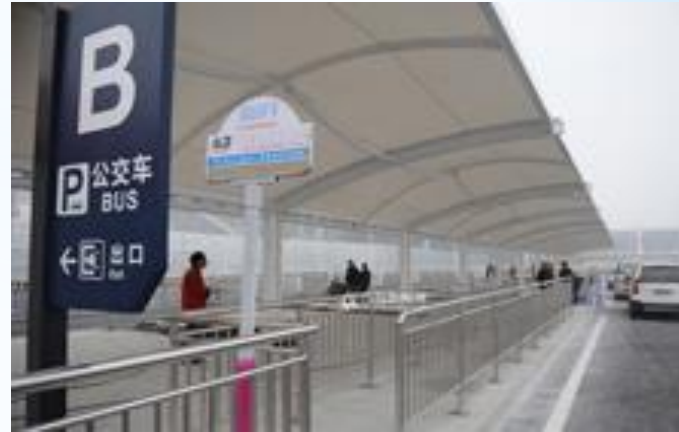
Excellent traditional Shandong food

Scientific tour to Weifang vegetable production center

Cultural tour to the Badaguan, Zhanqiao, Lushan North Jiu Shui Scenic Area, Olympic Sailing Center, etc.

Qingdao Liuting International Airport





High quality Hotels in Qingdao



HOLIDAY INN QINGDAO CENTRAL is located in the most prosperous government, business, finance, shopping, food and entertainment center in downtown Qingdao. It is surrounded by Carrefour and Sunshine Department Store. It is close to major banks and multinational companies. It takes more than ten minutes to walk to the beach and is convenient to Qingdao Liuting Airport and railway station.





Proposed Highlights of the Symposium

Soil disinfestation and soilless cultures

Anaerobic soil disinfestation

Biosolarization biofumigation

Soil disinfestation machinery

Physical treatment

Biological control agents

Seed and seedling treatment

New plastic film

Emerging phytopathological problems

Organic farming and soil disinfestation

The role of new chemicals

Environment impacts

Nematodes, soil insects and weeds

Sustainable agriculture

Field trip in Weifang:

Soil disinfestation

Soil disinfestation machinery

High barrier film manufacturer

New biological control products for disease prevention

Soilless cultivation of vegetables

Ginger and vegetable cultivation

Commercial machinery for soil treatment



Fumigant Reduction Technology

High barrier film



New biological products for disease prevention



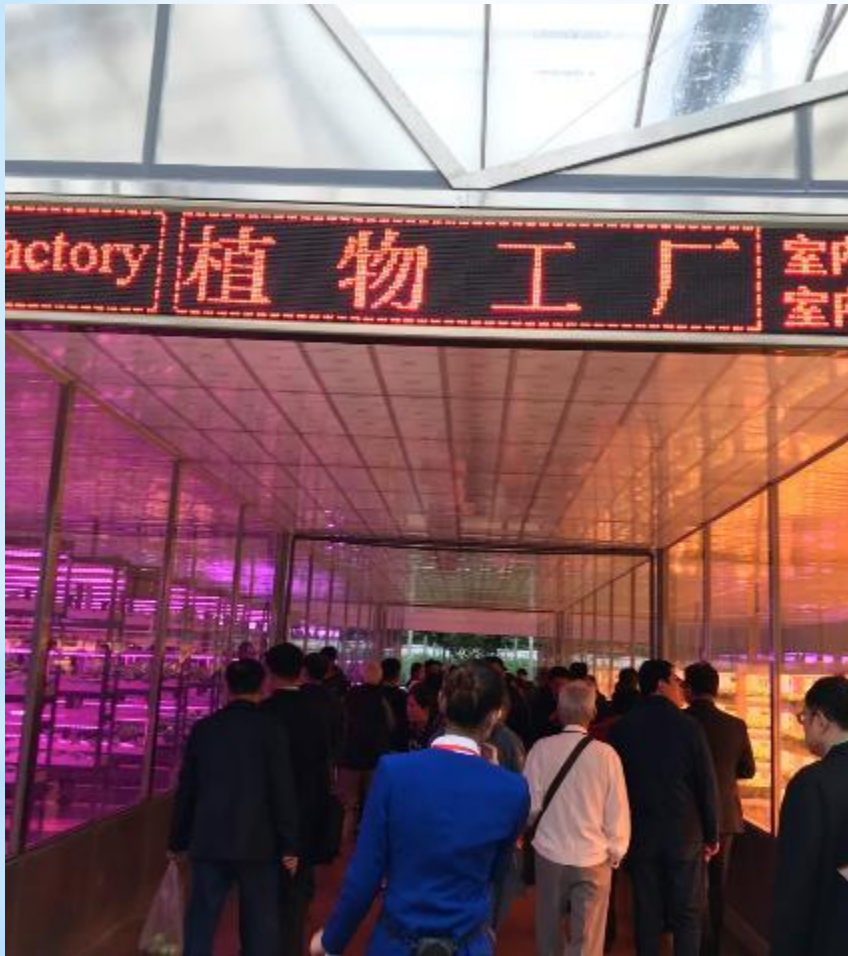
Soilless cultivation of vegetables



Soilless cultivation of vegetables



Plant factory



Advantages for Plant Protection Institute, CAAS, to organize the 10th International Symposium of Chemical and Non Chemical Soil and Substrate Disinfestation

(1) Prof. Aocheng Cao is the chair for the Branch of Soil Disinfestation, Chinese Society of Agro-ecological Environment Protection, and a member of MBTOC. Cao and his team has worked in phasing out methyl bromide and been working on soil disinfestation for more than 20 years. More than 100 research papers have been published by the members of the team.

(2) We have rich experience working on soil disinfestation in many provinces in China, such as Beijing, Tianjin, Shandong, Hubei, Hunan, Hebei, Henan, Shanxi, Sichuan, Zhejiang, Jiangxi, Yunnan, etc., on strawberry, tomato, cucumber, eggplant, pepper, watermelon, ginger, taro, yam, ginseng, pseudo-ginseng, etc.







(3) We successfully organized the International Workshop on Soil Disinfection Technologies in Beijing, July 4-7, 2010.



(4) We jointly organized the 7th International Strawberry Symposium in Beijing, February 18, 2012.



Welcome to Qingdao in 2022 !

