

The 5th International Conference on Black Soils Conservation and Utilization (ICBS5)

一、Conference Background

Black soils are the cornerstone and stabilizer of China's food security. Under intensive agricultural use, the high yields of crops come at the cost of severe degradation of black soils, which are becoming "thinner, poorer, and harder." On July 22, 2020, during an inspection in Lishu County, Siping City, Jilin Province, President Xi Jinping emphasized: "We must take effective measures to protect black soils, the 'pandas of cultivated land'." At the second meeting of the Central Financial and Economic Affairs Commission on July 20, 2023, President Xi underscored: "Food security is a matter of national importance, and farmland is the lifeblood of food production." Guided by this national priority, science and technology shoulder a critical mission. In July 2021, the Chinese Academy of Sciences (CAS) launched the Strategic Priority Research Program "Black Soil Granary" (Category A). With guidance and support from the Ministry of Agriculture and Rural Affairs, Ministry of Science and Technology, and National Development and Reform Commission, and leveraging multi-disciplinary, system-based, and institutionalized strengths, CAS has collaborated closely with Jilin, Liaoning, Heilongjiang, and Inner Mongolia. Together, we have worked tirelessly and achieved fruitful results in the grand cause of black soil protection and utilization.

All things originate from soil; with soil comes food. Since 2021, the International Conference on Black Soils Conservation and Utilization (ICBS) has been successfully held for four consecutive years. It has gained broad recognition and strong support from major black soil regions around the world and from the academic community. ICBS has become a high-level international platform for gathering global wisdom and jointly discussing the future of black soils. To continue fostering cross-border collaboration and jointly innovate theories and technologies for black soil protection and utilization, we are honored to announce that the 5th International Conference on Black Soils Conservation and Utilization (ICBS5) will be held in Changchun, Jilin Province, China—from December 7 to 11, 2025. The conference will focus on topics including soil Health and Improvement, crop yield and sustainability, soil ecological protective screen, and soil big data mining. Distinguished guests include leaders of the Soil Science Society of China, academicians of the Chinese Academy of Sciences and Chinese Academy of Engineering, senior experts from the Food and Agriculture Organization of the United Nations (FAO), and scholars from China and abroad.

Through high-level academic exchanges and the presentation of innovative achievements, we aim to further enhance China's international influence in the field of black soil conservation and utilization. We sincerely invite research institutes, technology extension agencies, large cooperatives, and related enterprises committed to black soil protection and utilization worldwide to participate in the event. Let us work together to safeguard and sustainably utilize this "panda of cultivated land"!

二、Conference Organization

Sponsor: Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences

Organizers: Soil Science Society of China

State Key Laboratory of Black Soils Conservation and Utilization

Strategic Priority Research Program (Category A) "Science and Technology Innovation Project of Black Soil Conservation and Utilization (Black Soil Granary)" of Chinese Academy of Sciences, Management Office

Co-organizers:

Pedosphere
Soil Ecology Letters
Eco-Environment & Health
Chinese Geographical Science

Academic Council:

Academic Committee Chairs

Jiabao Zhang
William R. Howarth
Xiaofeng Cao

Committee Members of the Conference Organization Committee

Boris Boincean, Hojeong Kang, Jonathan Adams, Jizheng Jim He, Kazuo Isobe, Laura Bertha Reyes Sánchez, Mikhail Komissarov, Vandna Rai, Werner Liesack, William R. Howarth, Yigal Achmon, Chen Haihua, Chu Haiyan, Huang Yingxin, Jia Zhongjun, Jiang Ming, Leng Guoyong, Li Lujun, Liang Aizhen, Liao Xiaoyong, Liu Guohua, Liu Huanjun, Song Xianwei, Tian Chunjie, Wang Chao, Yu Zicheng, Zeng Zhaohai, Zhang Lili, Zhang Xuexian, Zhang Yucheng, Zou Wenxiu, Zou Yuanchun

Organizing Committee:

Organizing Committee Chairs

Jiang Ming
Jia Zhongjun

Committee Members

Chen Haihua, Chu Haiyan, Huang Yingxin, Leng Guoyong, Li Lujun, Liang Aizhen, Liao Xiaoyong, Liu Guohua, Liu Huanjun, Song Xianwei, Tian Chunjie, Wang Chao, Zeng Zhaohai, Zhang Lili, Zhang Yucheng, Zou Wenxiu, Zou Yuanchun, Cui Mingxing

三、Conference Schedule

ICBS5 Main Conference Schedule		
Agenda	Program	Venue
December 09	08:00-22:00 Registration	Huatian Hotel
December 10	Section 1 Soil Health and Improvement	Huatian Hotel
	Section 2 Crop Yield and Sustainability	
December 11	Section 3 Soil Ecological Protective Screen	Huatian Hotel
	Section 4 Soil Big Data Mining	
December 11	Conference concludes; participants depart	

Pre-Conference Academic Exchanges (ICBS5)		
Agenda	Program	Venue
December 07	08:00-20:00 Registration	Quanji Hotel
December 08	Single-Cell Coupled Isotope Omics for Black Soil Research	IGA, CAS

四、Conference Information

1、Dates: December 7–11, 2025

2、Venues:

Main Conference: Changchun Huatian Hotel (2288 Jingyang Road, Lvyuan District, Changchun)

Pre-Conference Exchange: Northeast Institute of Geography and Agroecology, CAS (4888 Shengbei Street, High-tech Zone, Changchun)

3、Accommodation: Participants enjoy negotiated discount rates. When checking in, please mention “ICBS5”:

(1) Changchun Huatian Hotel

- Deluxe Room: 350 RMB/night (twin/king, breakfast included)
- Address: 2288 Jingyang Road, Lvyuan District, Changchun
- Phone: +86-0431-81168888, +86-0431-87809999

(2) Ji Hotel (Changchun Beihu Branch)

- Deluxe Room: 280 RMB/night (twin/king, breakfast included)
- Address: Intersection of Minsk Road and Shengde Street, Kuancheng District, Changchun
- Phone: +86-0431-89391770, +86-15568707097

五、Transportation

Shuttle services will not be provided. Participants should travel to the venues independently

(1) Changchun Huatian Hotel

From Changchun Longjia International Airport (Approx. 30.4 km)

- 1 Taxi:** Take a taxi from the airport directly to Changchun Huatian Hotel. The fare is approximately ¥120.
- 2 High-Speed Rail (HSR) → Metro Line 1 → Metro Line 2:** Take the HSR from Longjia Station at the airport to Changchun Railway Station. Transfer to Metro Line 1 (towards Beihuancheng Road) and get off at Jiefang Road Station. Transfer to Metro Line 2 (towards Automobile Park) and get off at Wanfu Street Station (Exit D). Walk 400 meters to the hotel.
- 3 Airport Express Bus Line 3 → Metro Line 2:** Take Airport Express Bus Line 3 from the airport and get off at Dongfang Square Station. Transfer to Metro Line 2 (towards Automobile Park) and get off at Wanfu Street Station (Exit D). Walk 400 meters to the hotel.

From Changchun Railway Station (Approx. 7 km)

- 1 Taxi:** The taxi fare is approximately ¥20
- 2 Metro Line 1 → Metro Line 2:** Take Metro Line 1 (towards Hongzuizi) from Changchun Railway Station and get off at Jiefang Road Station. Transfer to Metro Line 2 (towards Automobile Park) and get off at Wanfu Street Station (Exit D). Walk 400 meters to the hotel.

From Changchun West Railway Station (Approx. 7 km)

- 1 Taxi:** The taxi fare is approximately ¥10.
- 2 Metro Line 2:** Take Metro Line 2 (towards Dongfang Square) from Changchun West Railway Station and get off at Wanfu Street Station (Exit D). Walk 400 meters to the hotel.

(2) Ji Hotel (Changchun Beihu Branch)

From Changchun Longjia International Airport (Approx. 35 km)

- 1 Taxi:** Take a taxi directly to Ji Hotel (Changchun Beihu Branch). The fare is approximately ¥120.

- 2 **High-Speed Rail (HSR) → Metro Line 1 → Metro Line 8:** Take the HSR from Longjia Station at the airport to Changchun Railway Station. Transfer to Metro Line 1 (towards Beihuancheng Road) and get off at Beihuancheng Road Station. Transfer to Metro Line 8 (towards Guangtong Road) and get off at Geographical Research Institute Station (Dilisuo Station). Take a taxi from the station to the hotel (approx. ¥9).
- 3 **Airport Express Bus Line 3 → Metro Line 2 → Metro Line 1 → Metro Line 8:** Take Airport Express Bus Line 3 from the airport and get off at Dongfang Square Station. Transfer to Metro Line 2 (towards Automobile Park) and get off at Jiefang Road Station. Transfer to Metro Line 1 (towards Beihuancheng Road) and get off at Beihuancheng Road Station. Transfer to Metro Line 8 (towards Guangtong Road) and get off at He'an Street Station. Take a taxi from the station to the hotel (approx. ¥8).

From Changchun West Railway Station (Approx. 26 km)

- 1 **Taxi:** The taxi fare is approximately ¥60.
- 2 **Metro Line 2 → Metro Line 1 → Metro Line 8:** Take Metro Line 2 (towards Dongfang Square) from Changchun West Railway Station and get off at Jiefang Road Station. Transfer to Metro Line 1 (towards Beihuancheng Road) and get off at Beihuancheng Road Station. Transfer to Metro Line 8 (towards Guangtong Road) and get off at He'an Street Station. Take a taxi from the station to the hotel (approx. ¥8).

From Changchun Railway Station (Approx. 15 km)

- 1 **Taxi:** The taxi fare is approximately ¥30.
- 2 **Metro Line 1 → Metro Line 8:** Take Metro Line 1 (towards Beihuancheng Road) from Changchun Railway Station and get off at Beihuancheng Road Station. Transfer to Metro Line 8 (towards Guangtong Road) and get off at He'an Street Station. Take a taxi from the station to the hotel (approx. ¥9).

六、Exhibition Opportunities

The conference provides the following exhibition options:

1. Inclusion of one full-page company advertisement in the conference manual
2. On-site promotional booth
3. Placement of materials in the registration package

For details, please contact the organizing committee.

七、Contact Information

Ma Jingjing: 13174443280; Email: majingjing@iga.ac.cn (General Coordinator)

Li Shuang: +86-0431-82536090; Email: res2024@iga.ac.cn (General Coordinator)

Jiang Jing: 18626656321; Email: jiangjing@iga.ac.cn (Registration)

Li Shuangyi: 18943929592; Email: lishuangyi@iga.ac.cn (Transportation)

Luan Chang: 18946734675; Email: luanchang@iga.ac.cn (Accommodation, Catering, and Exhibition)

Han Bing: 18513661213; Email: hanbing@iga.ac.cn (December 10 Conference)

Zhang Yifeng: 13578975447; Email: zhangyifeng@iga.ac.cn (December 11 Conference)

Liu Hongwen: 15041247520; Email: liuhongwen@iga.ac.cn (Pre-conference Academic Exchange)

八、Registration and Fees

Conference fees cover materials, venue rental, and catering. On-site payment is not accepted.

Fees:

- **Faculty: 2000 RMB/person**

- Graduate students: 1500 RMB/person

Please register by scanning the QR code and complete registration before December 7, 2025.



Registration Form &
Hotel Reservation



Conference Payment &
Invoice Request

Official electronic invoices will be issued. Please provide invoice title, tax ID, and choose the invoice category when registering.

九、Presentation Arrangements

(一) Invited Presentations (Dec 10–11): 15–20 minutes

Applicants must submit abstracts (title, personal information, full text) in both Chinese and English, along with presentation slides.

Deadline: December 1, 2025

Email: icbs5@iga.ac.cn

(二) Poster Session (Dec 10–11)

Participants should print posters themselves and bring them to the venue.

Poster size: 0.9 m (W) × 1.2 m (H)

Electronic version due by December 8, 2025

Email: icbs5@iga.ac.cn