

中国科学院遗传与发育生物学研究所农业资源研究中心

Center for Agricultural Resources Research

Institute of Genetics and Developmental Biology , Chinese Academy of Sciences

Explore China’ s Frontiers in Sustainable Agriculture:

A Fully Funded 2026 International Summer School

Program Introduction

The Center for Agricultural Resources Research (CARR), Institute of Genetics and Developmental Biology, Chinese Academy of Sciences (CAS), is a research-intensive institution dedicated to developing theories, technologies and strategies for agroecosystem management, in support of sustainable agriculture and food security.

The CARR International Summer School (ISS) aims to provide international young talents with an authentic and immersive experience of graduate-level research at CARR. Sponsored by the Chinese Academy of Sciences, the 2026 ISS will be held under the theme “Sustainable Development of Agriculture” .

CARR is located in Shijiazhuang, Hebei Province. It is 280 kilometers away from Beijing, the capital of China, and only a one-hour high-speed train ride away.

We look forward to bringing together global young talents to collectively address global challenges for a shared future.

About CARR: <http://english.sjziam.cas.cn/>

About 2026 International Summer School: <http://english.sjziam.cas.cn/et/ipp/>

Program Highlights

- **Enrollment Quota:** 20 students
- **Full Funding:** Round-trip international airfare, meals & accommodation, insurance, and domestic transportation within China are fully covered.

Program Overview

1. Opening Ceremony & Ice-breaking Session

- Introduction to the Center for Agricultural Resources Research (CARR)
- Overview of Sino-European research cooperation
- Participant self-introductions

2. Face-to-Face Exchanges with CARR Research Groups

Major research groups include:

- Environmental Biotechnology Research Group
- Marginal Land Ecological Processes and Efficient Resource Utilization Research Group
- Root Phenotype Research Group
- Nitrogen Flow and Environmental Effects in Farmland Critical Zones Research Group
- Agricultural Hydrology and Water Resources Research Group
- Eco-hydrological Simulation and Water Environment Management in River Basins Research Group
- Agricultural Waste Resource Utilization and Carbon-Nitrogen Conversion Mechanism Research Group
- Farmland Water-Saving Mechanism and Technology Research Group
- Water and Material Cycle Mechanism and Simulation Research Group

- Plant Water- Carbon Coupling and Environmental Feedback Mechanism Research Group
- Plant- Mediated Above- and Below- Ground Interactions Research Group
- Farmland Ecological Processes and Material Cycle Regulation Research Group
- Efficient Utilization of Water and Soil Resources in Saline- Alkali Areas Research Group
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3. Young Scholars Academic Exchange

Participants and CARR researchers will present their work and exchange academic insights.

Main topics include:

- Agricultural water conservation and efficient water/fertilizer use
- Agroecosystem processes and management
- Agricultural germplasm innovation and new variety development.

4. Academic Training & Field Station Visits

- Luancheng Agricultural Ecosystem Experimental Station: Resource-saving and efficient utilization and management technologies such as modern water-saving agricultural technology, clean fertilization management technology, molecular breeding technology, and precision agriculture application technology.
- Taihang Mountain Ecosystem Experimental Station: Agricultural water resource utilization in mountainous areas. Energy, water, and nutrient transport processes at the interface of mountain ecosystems and their intrinsic regulatory mechanisms.
- Nanpi Ecological Agriculture Experimental Station: Efficient utilization of saline water resources, innovation of stress-resistant and salt-tolerant germplasm, and new models and technical systems for efficient development and utilization of saline-alkali land.

- Nandagang Coastal Wetland Ecosystem Experimental Station: Research on biodiversity and its resource utilization, as well as the evolution process and improvement techniques of saline soil quality in wetland adjacent areas.
- Saibei Ecological Research Station of the Agro-Pastoral Ecotone: The collaborative evolution process of water, soil, air, and living elements in the agricultural and pastoral system; the integration of planting and breeding, the circulation of agricultural and pastoral energy and material, and the resource utilization.
- Visits to agricultural-related enterprises: Aim to learn about smart and precision agriculture.

5. Visit to the University of Chinese Academy of Sciences (UCAS)

- UCAS will host participants for a campus tour. Participants will learn about CAS graduate admission policies and experience the academic environment.

6. Immersive Local Chinese Cultural Activities

- Visit the National Museum of China or the Great Wall.

Program Schedule

- Application Period: May 15 (Friday)-June 19 (Friday), 2026. Please submit application materials to the contact email.
- Admission Confirmation: June 15 (Monday)-June 19 (Friday), 2026. CARR will review applications and send admission notifications with the detailed schedule.
- On-site Research: July 19 (Sunday)-August 1 (Saturday), 2026 (14 days).

Eligibility

1. **Applicants must be master' s students, doctoral students, or postdoctoral fellows, young scholars (under 35 years old).**

2. Major in Agricultural Science, Environmental Science, Ecology, Biology or related fields.
3. Strong academic performance and genuine interest in frontier agricultural research.

Application

- Deadline: Friday, Jun 19th, 2026.
- Documents Required:
 1. Completed application form (See Attachment).
 2. Certificate of highest degree (Optional).
 3. First page and abstract of published papers (Optional).

Contact Information

Center for Agricultural Resources Research (CARR), Institute of Genetics and Developmental Biology of Chinese Academy of Sciences (CAS)

(<http://english.sjziam.cas.cn/>)

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Pictorial introduction of CARR

	
<p>Main campus of CARR-1</p>	<p>Main campus of CARR-2</p>
	
<p>Main campus of CARR-3</p>	<p>Luancheng Agriculture Ecosystem Experimental Station</p>
	
<p>Taihang Mountain Ecosystem Experimental Station</p>	<p>Nandagang Coastal Wetland Ecosystem Experimental Station</p>
	
<p>Saibei Ecological Research Station of the Agro-Pastoral Ecotone</p>	<p>Nanpi Ecological Agriculture Experimental Station</p>

About CAS

Founded in 1949, the Chinese Academy of Sciences (CAS) is China's highest academic institution and national think tank in science and technology, and the national strategic force in basic research and integrated high-tech development. CAS integrates research institutes, academic divisions, and educational institutions into a unified system, with research covering nearly all areas of the natural sciences. It currently comprises 108 research institutes, two universities, six academic divisions, 908 CAS Members, as well as 173 international CAS Members from more than 30 countries.

About CAS: <http://english.cas.cn/>



Chinese Academy of Sciences (CAS)



Center for Agricultural Resources Research(CARR),
Institute of Genetics and Developmental Biology of CAS

Welcome to ISS!

Welcome to CARR!

Welcome to CAS!