Host Organization： Hebei Academy of Agriculture and Forestry Sciences (HAAFS)

Organizer： Institute of Agricultural Resources and Environment, Hebei Academy of Agriculture and Forestry Sciences

China Agricultural University

Stanley Agriculture Group Co., Ltd

Co-organizer： Hebei Provincial Society of Agricultural Systematics

Hebei Soil and Fertilizer Society

Sponsor： Stanley Agriculture Group Co., Ltd

GenLiduo Biotech Co., Ltd

Hebei MonBand Water-Soluble Fertilizer Co., Ltd

Hebei Oceanus Agri-Tech Group Co., Ltd

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Sino-EU Conference on Agricultural Nutrient Management Based on Nature-Solutions

Conference Handbook

Shijiazhuang, Hebei, China

January, 2026

Warmly Welcome

All Leaders and Experts to Shijiazhuang for Guidance and Exchange!

Please Scan the QR Code to Join the Academic Exchange Conference

Conference Notice

The "EU-China International Cooperation on Agricultural Nutrient Management Based on Natural Solutions" (ECONUTRI) project, funded by the Chinese and EU governments, aims to promote better research outcomes in EU-China international cooperation projects. Hosted by the Hebei Academy of Agriculture and Forestry Sciences, an academic exchange meeting will be held in Shijiazhuang, Hebei Province, from January 25 to 28, 2026. The purpose is to facilitate full exchange and mutual benefit of EU-China scientific and technological cooperation achievements. The relevant matters are hereby notified as follows:

1.Conference Services

Time： From January 25th to 28th, 2026

Registration venue： At **Area A** of the Holiday Inn Royal Garden, Xinhua District, Shijiazhuang City, Hebei Province，China

Accommodation： At **Area C** of the Holiday Inn Royal Garden, Xinhua District, Shijiazhuang City, Hebei Province，China

Conference & Exhibition Venue：Zhengyuan Conference Hall， On the **second floor** at **Area B** of the Holiday Inn Royal Garden, Xinhua District, Shijiazhuang City, Hebei Province，China

Dining location：Jinyuan Conference Hall， On the **first floor** at **Area B** of the Holiday Inn Royal Garden, Xinhua District, Shijiazhuang City, Hebei Province，China

Observation time： In the morning of January 28th，2026

Observation Add： Jinzhou Experimental Demonstration Base;National Agricultural Science Observation Shijiazhuang Experimental Station

Conference committee

Leader： Shenglin Hou 18603116387

Coordinator： Shiyou Sun 13833108626 Zengfa Ji 18931875662

Liangliang Jia 15133182599 Zhenyu Liu 13780219140

Contact： Liying Wang 13653215766

Transportation： Yunma Yang 13931889743

Materials： Ling Wang 13933074703

Venue： Jieli Peng 13653110506

Food and beverage accommodation： Limin Ma 13831199689

Audio-visual publicity： Shiguo Liu 15200022115

Observation： Jianshuo Shi 13623312507

2.Participating unit

We invite 8 foreign experts and young scientists from the China-Europe project（ Italy, Poland, Norway ）, conveners and research backbones of each work package (WP) of the China-Europe project, technical beneficiaries of the project, as well as leaders from the Hebei Academy of Agriculture and Forestry.

3.Supporting Project

Horizon Europe, EU-China Cooperation Projects on National Key R&D (such as Agricultural Nutrient Management Based on Natural Solutions between China and Europe, International Cooperation Special Project of Major Science and Technology Support Plan in Hebei Province, and Modern Agricultural Science and Technology Innovation Special Project of Hebei Academy of Agriculture and Forestry Sciences), etc.

4. Conference Agenda

The conference agenda includes the opening ceremony, expert presentations, achievement exhibitions, project summary discussions, and on-site observations. The expert presentations focus on the theories, technologies, and

products related to nitrogen and phosphorus nutrient management and emission reduction across the entire agricultural chain based on natural solutions. The aim is to build a cross-disciplinary and cross-border exchange platform, strengthen scientific and technological innovation and achievement transformation, achieve win-win interactions among multiple parties, and promote global agricultural carbon sequestration, emission reduction, and green development.

Sino-EU Conference on Agricultural Nutrient Management Based on Nature-Solutions Conference Agenda

Conference opening and Presentation
Date: January 26th, 2026
Meeting room： Zheng Yuan, 2nd Floor, Area B
Hoster： Qing Chen Shenglin Hou

Time	Agenda	Location
9:00-9:30	Opening Ceremony	
	Speech by Qiang Zhang,Vice President of Hebei Academy of Agriculture and Forestry Sciences	Hoster: Meishen Zhang 2nd Floor ,Area B
	Speech by Prof. Luisella CELI European Representative, Vice Rector of the University of Turin, Italy	
	Speech by Prof.Qing chen, China Project Head, China Agricultural University	
9:30-9:40	Inauguration Ceremony of the China-Europe Joint Research Center	
9:40-9:50	Group Photo	Front of the Hotel
9:50-10:00	Exhibition Visit & Break	ZhengYuan, 2nd Floor Area B
Time	**Presentation**	**Speaker**
10:00-10:30	Optimizing technologies for waste management and nutrient recovery	Luisella CELI Università degli Studi di Torino (UNITO)
10:30-11:00	Integrated strategies for pig manure nutrient valorisation in livestock-orchard systems	Elio Dinuccio (UNITO)
11:00-11:30	Removal of nitrogen and phosphorus from organic waste through struvite precipitation	Dmitry Kechasov Norwegian Institute of Bioeconomy Research (NIBIO)
11:30-12:00	Optimizing nutrient balance in livestock waste to improve resource recovery and reduce soil losses	Alice Boarino (UNITO)
12:00-13:00	**Lunch**	**Xinyuan, 1st Floor, Area B**

Presentation

Date: January 26th, 2026

Meeting room： Zheng Yuan, 2nd Floor, Area B

Hoster： Liangliang Jia Yangyang Li

Time	Presentation	Speaker
13:30-14:00	Prediction and optimization of phosphorus resource recovery in hydrothermal carbonization of livestock and poultry manure by machine learning	Tao Zhang (CAU)
14:00-14:30	From waste to organic fertilizer and insect protein – a new approach for food security and carbon neutrality in China	Xuan Wang Center for Agricultural Resources Research, (IGDB, CAS)
14:30-15:00	Mitigation measures for phosphorus and nitrogen diffuse pollution: A review of Norwegian results	Jian Liu (NIBIO)
15:00-15:30	Mitigating methane emissions from temperate rice paddies: sustaining the transition to “climate-smart” systems	Daniel Said Pullicino (UNITO)
15:30-15:50	**Tea Break**	
15:50-16:20	Nature-based solutions for reducing nutrient pollution in agriculture	Michał Oskiera National Institute of Horticulture, Poland (Inhort)
16:20-16:50	Assessment mechanisms for the potential of denitrification-driven oxidation processes to reduce greenhouse gas emissions in agricultural fields	Jiaqi Wang (CAU)
16:50-17:20	Environmental-economic tradeoffs of organic substitution strategies in greenhouse vegetable systems: a coupled LCA-TEA framework for sustainable intensification	Yangyang Li (CAU)
17:20-17:50	Nutrient optimization management under organic vegetable planting system	Yuhui Qiao (CAU)
18:00-19:30	**Dinner**	

Presentation

Date: January 27th, 2026

Meeting room: Zheng Yuan, 2nd Floor, Area B

Hoster: Xuan Wang Liying Wang

Time	Presentation	Speaker
08:30-09:00	Physiological response and mechanism of action of plants under drought stress	Francesca CARDINALE (UNITO)
09:00-09:30	A study on the develppong Bacillus Biofertilizer and its Potential for plant Growth Promoting, Disease Suppression, and Greenhouse Gas Emissions Reduction（on line）	Zongzhuan Shen (NAU)
09:30-10:00	Ridden vegetable fields and enhancement of productivity	Yongqiang Tian (CAU)
10:00-10:20	**Tea Break**	
10:20-10:50	Mechanism of inositol and its effects combined use with corn steep liquor (CSL) on growth promotion and salt resistance	Kangguo Mu (CAU)
10:50-11:20	Precise water and fertilizer integrated smart management and control: From data to application models	Bin Liang Qingdao Agricultural University(QAU)
11:20-11:50	Biology + Organic + Inorganic: Exploring the Enhancement Directions and Standards of Biofertilizers	Peng Huang Genliduo Bio-Tech Co., Ltd.
12:00-13:00	**Lunch**	

Project Summary

Date: January 27th, 2026

Meeting room: Zheng Yuan, 2nd Floor, Area B

Hoster: Chen Qing

Time	Presentation	Speaker
13:30-13:40	Nitrogen and phosphorus emission reduction technology in the process of hydrothermal carbonization treatment and returning to the field of aquaculture wastewater	Jianshuo Shi
13:40-13:50	Airflow Membrane Fermentation Technology for Efficient Fermentation of Organic Solid Wastes with Reduced Nitrogen and Phosphorus Losses	Zongzhuan Shen
13:50-14:00	Technology for reducing pollution gas emissions from vegetable waste composting	Ruixue Chang
14:00-14:10	Nitrogen and phosphorus synergistic fertilizer and precision coupling application technology of water and fertilizer	Liying Wang
14:10-14:20	Nitrogen and phosphorus emission reduction technology for continuous cropping maize system under organic material substitution and no-tillage mode in black soil region	XueJia Gu
14:20-14:30	Nitrogen and phosphorus emission reduction technology through the coordination of summer fallow and straw returning in protected vegetable fields	Shuchang Lu
14:30-14:40	Technology of combining slow-release organic fertilizer and quick-acting organic fertilizer based on DSS	Yuhui Qiao
14:40-14:50	Soilless cultivation production technology that synergizes cultivation medium improvement with enhancing crop resistance	Yongqiang Tian
14:50-15:00	Innovative integrated technology for nitrogen and phosphorus emission reduction under the protected vegetable cultivation system in North China	Zhou Jia
15:10-15:20	Integrated technology of functional fertilizer coupling with precise water and fertilizer regulation under no-tillage cultivation crop system in black soil region	Shuming Wan
15:20-15:30	Integrated technology of functional fertilizer (bio-organic fertilizer + water-soluble fertilizer) coupled with precision water and fertilizer regulation under the vegetable planting system in the middle and lower reaches of the Yangtze River	Xuhui Deng
15:30-15:40	Integrated technology of improved substrate and nutrient solution formula for circular soilless cultivation	Wenchao Cao
15:40-16:00	**Tea Break**	

Project Summary

Time: January 27th,2026

Venue: Zhengyuan Garden, 2nd Floor, Block B

Host: Chen Qing

Time	Presentation	Reporter
16:00-16:10	Demonstration of Innovative Technologies for Microbial Strains, Organic Fertilizer Products and Nitrogen and Phosphorus Emission Reduction	Shuqing Li
16:10-16:20	R&D of New Efficiency-Enhanced Fertilizer Products	Kangguo Mu
16:20-16:30	R&D of New Efficiency-Enhanced Fertilizer Products and Demonstration of Innovative Technologies for Nitrogen and Phosphorus Emission Reduction	Mingyuan You
16:30-16:40	Demonstration of Innovative Technologies for Product Screening and Combination as well as Nitrogen and Phosphorus Emission Reduction in Vegetable and Field Crop Systems in Hebei Region	Liying Wang
16:40-16:50	Demonstration of Innovative Technologies for Rapid-Available Fertilizer Sources and Nitrogen and Phosphorus Emission Reduction in Organic Agriculture Systems	Yuhui Qiao
16:50-17:00	DSS-Based Precision Water and Fertilizer Control Platform for Soil Cultivation	Bin Liang
17:00-17:10	Demonstration of Innovative Nitrogen and Phosphorus Emission Reduction Technologies in Different Crop Systems of the Northeast Black Soil Region	Shuming Wang
17:10-17:20	Demonstration of Innovative Nitrogen and Phosphorus Emission Reduction Technologies in Soilless Culture Systems	Subo Tian
17:20-18:00	Project Summary and Work Plan for 2026	Qing Chen
18:00-19:30	**Dinner**	

Observation

Date: January 28th, 2026

Hoster: Jianshuo Shi

Time	Observation
7:30-11:00	Demonstration area for nitrogen and phosphorus emission reduction technology during the hydrothermal carbonization treatment and returning to the field of aquaculture wastewater (Nanxiaowu, Jinzhou, Hebei)
11:00-12:00	National Agricultural Science Shijiazhuang Observation and Experimental Station (Dahe, Luquan, Hebei)
12:00-13:00	**Lunch**
	Departure

5.Participating leaders and guests

Name	organization
Qiang Zhang	Hebei Academy of Agriculture and Forestry Sciences (HAAFS) Vice President
Meishen Zhang	Hebei Academy of Agriculture and Forestry Sciences (HAAFS) Director of Division of International Cooperation
Zengfa Ji	Hebei Academy of Agriculture and Forestry Sciences (HAAFS) Deputy Director of Division of International Cooperation
Luisella CELI	Università degli Studi di Torino (UNITO) Professor
Daniel Said Pullicino	Università degli Studi di Torino (UNITO) Professor
Elio Dinuccio	Università degli Studi di Torino (UNITO) Associate Professor
Francesca CARDINALE	Università degli Studi di Torino (UNITO) Professor
Alice Boarino	Università degli Studi di Torino (UNITO) Postdoctor
Jian Liu	Norwegian Institute of Bioeconomy Research (NIBIO) Professor
Dmitry Kechasov	Norwegian Institute of Bioeconomy Research (NIBIO) Associate Professor
Michał Oskiera	National Institute of Horticulture, Poland (Inhort) Postdoctor
Qing Chen	China Agricultural University (CAU) Professor
Jingguo Wang	China Agricultural University (CAU) Professor
Fanqiao Meng	China Agricultural University (CAU) Professor
Yuhui Qiao	China Agricultural University (CAU) Professor
YongQiang Tian	China Agricultural University (CAU) Professor
Kangguo Mu	China Agricultural University (CAU) Associate Professor
Tao Zhang	China Agricultural University (CAU) Associate Professor
Yangyang Li	China Agricultural University (CAU) Associate Professor
Jiaqi Wang	China Agricultural University (CAU) Associate Professor
Ruixue Chang	China Agricultural University (CAU) Associate Professor
Zongzhuan Shen	Nanjing Agricultural University (NAU) Professor
Xuan Wang	Center for Agricultural Resources Research, (IGDB CAS) Senior Researcher
Shuai Zhang	Institute of Agricultural Resources and Regional Planning(CAAS) Associate Researcher

Name	organization
Bin Liang	Qingdao Agricultural University (QAU) Professor
Shuchang Lu	Tianjin Agricultural University Professor
Shuming Wan	Heilongjiang Black Soil Protection and Utilization Research Institute Associate Researcher
Xuejia Gu	Heilongjiang Black Soil Protection and Utilization Research Institute Associate Researcher
Qi Sun	Heilongjiang Black Soil Protection and Utilization Research Institute Assistant Researcher
Shengchao Zhang	Stanley Agriculture Group Co., Ltd Genearal Manager/Senior Engineer
Zhou Wang	Stanley Agriculture Group Co., Ltd Manager
Mingyuan You	Stanley Agriculture Group Co., Ltd Manager
Subo Tian	Shouguang Vegetable Industry Holding Group Co., Ltd. Director
Wenchao Cao	Weifang University of Science and Technology Associate Professor
Peng Huang	GenLiduo Biotech Co., Ltd Genearal Manager/Senior Engineer
Xuehu Wang	Hebei Mengbang Water Soluble Fertilizer Co., Ltd. Manager
Zhaohui Liu	Hebei Shuirun Jiahe Agricultural Group Co., Ltd Chairman
Shenglin Hou	Institute of Agricultural Resources and Environment, Hebei Academy of Agriculture and Forestry Sciences (HAAFS) Director
Shiyou Sun	Institute of Agricultural Resources and Environment, Hebei Academy of Agriculture and Forestry Sciences (HAAFS) Deputy director
Liying Wang	Institute of Agricultural Resources and Environment, Hebei Academy of Agriculture and Forestry Sciences (HAAFS) Deputy director
Liangliang Jia	Institute of Agricultural Resources and Environment, Hebei Academy of Agriculture and Forestry Sciences (HAAFS) Deputy director
Jianshuo Shi	Institute of Agricultural Resources and Environment, Hebei Academy of Agriculture and Forestry Sciences (HAAFS) Associate Professor
Zhou Jia	Institute of Agricultural Resources and Environment, Hebei Academy of Agriculture and Forestry Sciences (HAAFS) Assistant Researcher

Expert Profiles

Luigella Celi
Professor Vice Rector
Università degli Studi di Torino

Luisella Celi is Full Professor in Soil Biogeochemistry at the Department of Agricultural, Forest and Food Sciences (DISAFA) where she served as Vice Director for Research (2018-2024).

She holds an academic degree in Chemistry, a Ph.D. in Agricultural and Environmental Science, and has 30 years of expertise and experience in nutrient cycling in soil and plant nutrition. She is renowned internationally for her research on the interactions between carbon and nutrient cycles in agricultural ecosystems, with a particular focus on soil biogeochemical processes that enhance crop productivity and minimize nutrient losses. She has coordinated and participated in numerous national and international projects.

Luisella Celi also serves as the President of the Italian Agricultural Chemistry Society and has been the head of the Open Access Laboratory for Elemental Isotopes at DISAFA, University of Turin; She is a member of the Scientific Committee of the Open Access Laboratory of Magnetic Resonance at the University of Turin, as well as a member of the PhD board of Agricultural, Forest and Agrofood Sciences at the same university.

She is the author of over 300 scientific publications, 12 book chapters, and holds 1 patent. She is also the Editor of SOIL and a member of the Editorial Boards of Geoderma and the Journal of Biology and Fertility of Soil.

Daniel Said Pullicino
Professor
Università degli Studi di Torino

Daniel Said Pullicino is Full Professor in Soil Science at the Dept. of Agricultural, Forest and Food Sciences (DiSAFA) of the University of Torino (Italy). He also serves as Editor-in-Chief of Geoderma, an internationally renowned soil science journal with an impact factor of 5.6 and recognized as a top-tier publication in the field. As a soil scientist, his research interests primarily focus on the biogeochemical cycles of carbon and nutrients within soil across various scales, with a particular emphasis on their significant role in climate change mitigation strategies, soil conservation, enhancing plant nutrient use efficiency, and ensuring food safety. With over 25 articles in In his research, he has focused on the biogeochemistry of paddy soils, contributing to highly-ranked journals such as Nature, Soil Biology and Biochemistry, Geoderma, Biology and Fertility of Soils, and Field Crops Research.

His work has been pivotal in advancing the understanding of soil organic matter (OM) composition, stabilization, and turnover, as well as the intricate interactions between carbon (C), nitrogen (N), and iron (Fe) cycling in the redox -dynamic environments of rice paddy soils. Together with his collaborators and thanks to important funding streams (CarboPAD, GreenRICE, ROOTARMOUR projects), In the past 15 years, significant conceptual advancements have been made in understanding soil organic carbon (SOC) dynamics in rice paddies, particularly in China, where large-scale increases in organic carbon have been observed. These developments have laid the foundation for elucidating the complex processes that govern the balance between SOC sequestration and methane emissions. Currently, he serves as the Head of the Stable Isotope Lab, a member of the Research Commission of the DiSAFA, and a member of the Directorate of the Italian Soil Science Society.

Elio Dinuccio
Associate Professor
Università degli Studi di Torino

Elio Dinuccio is Associate Professor of Agricultural Mechanisation at the Department of Agriculture, Forest and Food Sciences (DISAFA) of the University of Turin. He holds a doctoral degree in Agricultural and Environmental Engineering. His research primarily focuses on advanced technologies for the management, valorisation, and sustainable use of mineral and organic fertilizers, livestock manure, and agro-industrial residues, aligning with the sustainable agricultural practices promoted by institutions such as the College of Agricultural and Environmental Sciences at UC Davis, the College of Agriculture and Life Sciences at Iowa State University, and the University of Maryland's College of Agriculture and Natural Resources.

He has specific expertise in bio-waste treatment technologies; optimization of biogas plants, including biomass supply chains and logistics, feedstock pre - treatment processes, innovative process equipment, and advanced solutions for the efficient treatment and management of digestate, as well as for the measurement and reduction of particulate matter, ammonia, and greenhouse gas emissions. He is also active in precision agriculture, with specific experience in the development and testing of high-precision spreaders for synthetic and organic fertilizers. He coordinates the Biomass & Waste Management Group (B&WM) at DISAFA has participated in several regional, national, and EU-funded research projects focusing on sustainable waste and residue management, emission reduction, nutrient recycling, and digital technologies for agriculture. His activities also encompass providing professional and technical support to farmers and stakeholders.

He has been actively involved in several technical working groups that support national and regional authorities in formulating regulations regarding the agricultural utilization of organic waste and animal manure. He currently acts as a technical and scientific advisor within the institutional working group established by the Piedmont Region under the Regional Air Quality Plan. His technical contributions are centered on the implementation of strategies to reduce ammonia emissions, especially from livestock manure, digestate, and nitrogen fertilizers, and on mitigating the formation of secondary particulate matter. These efforts are crucial in the context of China's environmental policies, where ammonia emissions are a significant contributor to air pollution and PM2.5 levels.

He is author or co-author of about 150 has published numerous national and international scientific papers and serves as an Editorial Board Member of Environmental Science and Ecotechnology.

Francesca Cardinale
Professor
Università degli Studi di Torino

Francesca Cardinale holds the position of Full Professor of Plant Physiology at the Department of Agricultural, Forest and Food Sciences (DISAFA), and currently serves as the departmental QA delegate.

She obtained her academic degree in Biology in 1992, earned a Ph.D. in Biology and Biotechnology of Fungi from Italy and the USA in 1996, and has nearly 30 years of expertise in background in molecular plant biology, having spent 4 years as a post-doc researcher in France and Austria. Her research has generally focused on a set of thematic areas, including molecular plant physiology and pathology, biotic and abiotic stress perception and signal transduction, and phytohormones. Some individual projects span multiple areas. Her current research delves into the roles of phytohormones such as strigolactones and karrikins, which are bioactive molecules that influence plant growth and development. Studies have shown that these hormones interact with proteins like KAI2 and MAX2 to regulate various physiological processes in Arabidopsis, including immune responses and seed germination. *thaliana* and tomato (*Solanum lycopersicum* L.) with emphasis on cell type/organ specificity in biosynthesis, perception and effects; role in long-range stress signalling and in stomata closure under drought; interactions with abscisic acid and micro RNAs; effects in developmental phase transition and during nutrient deprivation. These interests are accompanied by translational efforts, as exemplified by the co-authorship in one patent on a biostimulant composition and the fact that she is co -charter member of StrigoLab S.r.l. since 2013 (www.strigolab.eu). She has coordinated and/or taken part in many national and international projects.

Prof. Cardinale is the author of numerous scientific publications and book chapters, and also serves as the editor of one book. Moreover, she has been an associated editor for several well - known journals, including the Journal of Plant Pathology, Journal of Plant Growth Regulators, Plants, Frontiers in Plant Science, and Environmental Microbiology.

Alice Boarino
Postdoctor
Università degli Studi di Torino

Alice Boarino is a postdoctoral fellow, and her work integrates sustainable materials science with agro-environmental applications. She earned her degrees in Chemistry at the University of Turin (Italy), where she also conducted a two-month research stay at the University of California (USA), contributing to the field of silicon nanostructure functionalization. and a two-month internship at the International Iberian Nanotechnology Laboratory (Portugal) focused on covalent organic frameworks. She subsequently joined the Polymers Laboratory at the École Polytechnique Fédérale de Lausanne (Switzerland) to pursue her PhD studies. In 2023, she earned her PhD, with her thesis centered on the synthesis and conversion of sustainable polymers for agricultural use. Currently, she serves as a postdoctoral fellow at the University of Turin's Department of Agricultural, Forest and Food Sciences, focusing on biomass valorisation and plant nutrient recovery.

Jian Liu
Professor
Norwegian Institute of Bioeconomy Research (NIBIO)

He holds a BSc in Environmental Science from Northwest A&F University (China), and subsequently obtained an MSc and PhD in Soil Science from the Swedish University of Agricultural Sciences. With decades of expertise in soil and water sciences, his primary research concentrates on the intricate processes of nutrient cycling within agricultural ecosystems, encompassing the dynamics of agricultural water quality in cold climates, and strategies for mitigation. strategies to reduce environmental impact while maintaining agricultural productivity. His research findings have been instrumental in the development of strategies for agricultural non-point source pollution control and climate-smart agriculture, as evidenced by the systematic analysis of pollution sources and current situation detailed in recent studies (Reference 0, Reference 2, Reference 4). This has contributed to his high standing in the international academic community. Prof. Liu boasts a rich academic background, having served as a postdoctoral scholar and research fellow at institutions such as Pennsylvania State University (USDA collaborative research), University of Saskatchewan, and University of Manitoba (Canada).

He currently serves in multiple academic leadership roles, including Management Committee Member and Working Group Co-leader for EU COST Action CA23160, Board Member of the Norwegian Division of the Nordic Association of Agricultural Scientists (NJF), and Founding Editorial Board Member of Land Degradation & Development and Associate Editor of Journal of Environmental Quality, among other international journal editorial positions. He has long been a leader or key contributor to a multitude of significant projects, many of which have been funded by the EU's Horizon Programme, including the Horizon Europe strategic plan. These projects are at the forefront of research, encompassing areas such as European nutrient management, climate -resilient agriculture, soil contaminant transport modeling, and cyanobacteria management. He has published 82 peer-reviewed articles and book chapters, over 150 popular science articles and conference presentations, with a Google Scholar citation count reaching 4958, reflecting an impressive h-index of 39, and an i10-index of 62. He has received several academic honors, including the Canadian Water Security Research Excellence Award and the American Society of Agronomy Editor's Choice Award.

Dmitry Kichasov
Associate Professor
Norwegian Institute of Bioeconomy Research (NIBIO)

As a Research Scientist in the Horticulture Section at the Norwegian Institute of Bioeconomy Research (NIBIO), he is of Norwegian nationality and holds both an MSc and a PhD in Biochemistry from the University of Stavanger, Norway. His core research interests are concentrated in controlled environment agriculture, encompassing the utilization of liquid organic waste fertilizers (e.g., digestate, aquaculture effluent) in greenhouses and vertical farms, the refinement of nitrogen and phosphorus via struvite precipitation and ammonia stripping/removal, the research and development of recycling and precision fertilization technologies, as well as the study of biostimulant applications in crop production. Researcher Kichasov possesses a substantial academic background, having served as a collaborative researcher at the Department of Chemistry, Bioscience and Environmental Engineering, University of Stavanger, and as a postdoctoral researcher at NIBIO from 2017-2021. He has extensive experience in project management. Currently, he serves as a project leader or task leader for multiple projects, including the Tuen Hydroponics Project and vertical farming feasibility studies.

He has also led or participated in several important projects funded by the EU Horizon Programme and the Norwegian Research Council, covering various areas such as eco-sustainable nutrient management, horticultural innovation, soil -friendly practices, and bee colony biosensing technology. He has conducted in -depth research on hydroponic cultivation of crops, such as tomatoes, as well as the effects of organic fertilizer application and light regulation technologies. He has published 6 peer-reviewed papers and delivered over 10 presentations and posters at international academic conferences, covering key topics such as postharvest quality regulation of He focuses on greenhouse tomatoes, exploring the impact of organic fertilizers on crop yield and metabolic profiles. Meanwhile, he actively engages in science communication, having authored numerous popular science articles for the industry and supervised several BSc and MSc students in their research endeavors.

Michał Oskiera
Assistant Professor
National Institute of Horticulture, Poland (Inhort)

He is working in the Microbiology Department, National Institute of Horticultural Research, Poland. Research areas mainly include: Bioinformatics, I possess expertise in Molecular Biology and Microbiology, with a focus on Regenerative Agriculture, Cover Crops, Microbiome, Metagenomics, and Bioinformatics. Additionally, I am skilled in Molecular Identification, Taxonomy, and Phylogenetics of Bacteria and Fungi. I have extensive experience in Bayesian phylogenetic analysis, as well as in PCR, Real-time PCR, Sanger sequencing, and NGS sequencing techniques. I am proficient in Linux workstation management and skilled in bioinformatics research programming, utilizing Bash, R, and Python languages. Specializes in bioinformatic analysis of NGS data, encompassing amplicon, metagenomic, and single-cell genomics, with a focus on leveraging AI and machine learning to uncover insights from complex biological datasets. metatranscriptomic data, as well as RNAseq transcriptome analysis of non-model plants. Has been honored with awards such as the 2017 Minister of Agriculture and Rural Development Award and the 11th EFPP Conference Poster Award. Has published a total of 19 academic papers.

Qing Chen
Professor
China Agricultural University (CAU)

Professor and Doctoral Supervisor at the College of Resources and Environmental Sciences, China Agricultural University. National Industrial Technology System for Bulk Vegetables - Position Expert, Vice Chairman of the Beijing Soil Science Society, Standing Director of the China Vegetable Association, Vice President of the Substrate Branch, and Deputy Director of the Soil, Fertilizer, and Water Professional Committee. Main research areas include facility soil improvement and heavy metal pollution prevention and control, efficient nitrogen and phosphorus utilization and control of agricultural non-point source pollution, and resourceful utilization of waste into fertilizers. He has taught courses such has been engaged in Fertilizer Science, Agrochemical Service, New Fertilizers research, and Introduction to Modern Agricultural Resource Utilization for many years. He has made multiple visits to and conducted research in countries such as the UK, Israel, USA, Germany, Belgium, Japan, and the Netherlands.

In the past five years, he has led or participated in over ten national and provincial/ministerial-level scientific and technological projects, including the National Science and Technology Support Program, as evidenced by similar project lists., National Natural Science Foundation projects, and the Modern Agricultural Industrial Technology System. He has published over 50 papers in SCI journals, a testament to their significant contribution to the scientific community, and over 40 articles in Chinese core journals, showcasing their broad academic influence., authored or co-authored 7 monographs, and was recognized with 9 national and provincial/ministerial-level science and technology awards, including the prestigious National Science and Technology Awards., including the Second Prize of National Science and Technology Progress, the Second Prize of Agricultural Technology Promotion Achievement by the Ministry of Agriculture, and the China Agricultural He has won the Third Prize of the Science and Technology Award for Scientific Research Achievements, as well as the Third Prize of the Shandong Province Science and Technology Progress Award. He holds authorization for more than ten invention and utility model patents.

Yuhui Qiao
Professor
China Agricultural University (CAU)

As a professor and doctoral supervisor at the School of Resources and Environment, China Agricultural University, he is engaged in teaching and research on organic agriculture and ecological agriculture technology systems, key technologies, and ecological value mechanisms. and key technologies of organic agricultural products, soil pollution ecology and soil health for a long time. He has been a member of the Certification and Review Committee for Pollution Free Agricultural Products and the International IOAS Accreditation Committee. Currently, he holds the position of a professor in the Department of Ecological Science and Engineering at the School of Resources and Environment, China Agricultural University, a department that has been pivotal in the field of agricultural ecology and has established one of the earliest doctoral programs in ecology in China. He also serves as a member of the China Green Food Expert Advisory As a member of the Committee and the China Organic Technology Expert Working Group, I also serve as a director of IFOAM Asia. In recent years, there have been monographs such as "Report on the Development of China's Organic Industry and Organic Product Certification" (2015-2022), "Introduction to Organic Agriculture" (Second Edition), "Production Technology and Practice of Green and High quality Agricultural Products", etc. I have also participated in the writing and compilation of multiple textbooks and works such such as "Soil Ecology", "Organic Agriculture Planting Technology", and "Ecological Agriculture - Theory and Practice of Sustainable Agriculture in China". The main courses offered include undergraduate courses in pollution ecology, pollution ecology experiments, and organic agriculture, as well as graduate courses in agricultural product safety production technology and its application, organic agriculture and sustainable food systems, and agricultural ecology professional English.

Yongqiang Tian
Professor
China Agricultural University (CAU)

Professor and Doctoral Supervisor, College of Horticulture, China Agricultural University. Expert, Beijing Intelligent Greenhouse Vegetable Innovation Team, Deputy Secretary-General, Protected Horticulture Committee, Chinese Society of Agricultural Engineering, Deputy Secretary-General, Protected Horticulture Branch, Chinese Society for Horticultural Science, Vice President, Soilless Cultivation Branch, China Vegetable Association. Research directions include the stress resistance mechanisms of vegetable root microbiome-host interactions, and simplified cultivation and resource-efficient utilization of vegetables. To tackle the major industrial issue of the frequent occurrence of root zone stress disorders in vegetables, he has long been systematically and profoundly engaged in research on the causes and control mechanisms of these disorders. He teaches undergraduate courses "Protected Horticulture (National First-class Undergraduate Course)" and "Soilless Cultivation," and graduate courses "Horticultural Plant Cultivation and Protected Horticulture Topics" and "Case Studies in Smart Protected Horticulture Research and Application." He has guided undergraduate students, enabling them to win the First Prize in the National College Student Life Science Competition and receive the Beijing Excellent Undergraduate Thesis award. He has presided over more than 20 national, provincial, and ministerial-level projects, including the National Natural Science Foundation projects and National Key R&D Program projects. He has elucidated new mechanisms of root microbiome-host interactions that enhance the resilience of vegetable crops against stress disorders, proposed innovative strategies for preventing and controlling root zone stress disorders through comprehensive soil quality enhancement, and published over 120 academic papers, including over 60 in SCI -indexed journals such as Nature Communications, The ISME Journal, and Transactions of the Chinese Society of Agricultural Engineering. As the first inventor, I have been awarded 12 national invention patents and recognized with 6 provincial/ministerial-level science and technology awards, a testament to the innovation and technological leadership in my field.

Zongzhuan Shen
Professor
Nanjing Agricultural University（NAU）

Professor at Nanjing Agricultural University, primarily focuses on research in the areas of solid waste resource utilization, soil microbial-plant interaction mechanisms, and soil health evaluation. He has successfully led and completed over 10 national and provincial projects. As the first or corresponding author (including co-authors), he has published more than 30 papers in journals such as ISME Journal and Microbiome. He holds 2 authorized invention patents as the first inventor, has received 3 provincial and ministerial awards, and serves as a part-time position in the Soil Fertility and Fertilizer Special Committee of the Soil Society and as the vice president of the Nanjing Vegetable Society.

Xuan Wang
Research Professor
Center for Agricultural Resources Research, (IGDB CAS)

Research Professor at the Center for Agricultural Resources Research, Institute of Genetics and Developmental Biology, Chinese Academy of Sciences (CAS). CAS Distinguished Research Backbone, Member of the CAS Youth Innovation Promotion Association, Hebei Province Outstanding Youth, Hebei Province Modern Agricultural Industrial Technology System - Dairy Industry Green Development and Waste Resource Utilization Position Expert. Long engaged conducts research on organic solid waste resource utilization technologies and the mechanisms of biological carbon and nitrogen transformation. His research, which is problem-oriented and works from mechanistic and technical perspectives, addresses the dual challenges of manure treatment/utilization and feed demand faced by China's animal husbandry development. He has achieved substantial results in the patterns, pathways, and regulation technologies of nitrogen transformation and loss emissions, as evidenced by the progress in the national key research and development program 'Mechanism of Fertilizer Nitrogen Migration, Transformation, and Loss Control Mechanisms' and other related studies. the utilization of livestock and poultry manure for fertilizer and feed, along with the R&D of related equipment. In the past 5 years, he has presided over over ten projects including topics under the National Key R&D Program, sub-projects of the CAS Strategic Priority Research Program, and National Natural Science Foundation General Projects. As first or corresponding author, he has published over 30 SCI papers in international authoritative journals such as PNAS, One Earth (Cell Press journal), Chemical Engineering Journal, and Bioresource Technology. He has developed multiple key technologies centered around manure resource utilization, and has applied for 39 patents, of which 32 have been authorized (including 11 invention patents). One patent was transferred for 2 million RMB. The self-developed "Intelligent Composting Reactor" has achieved technology transfer and is widely used in over 100 farms in Hebei, Shandong, Jiangsu, Inner Mongolia, Sichuan, Hainan, etc. Received the 2017 Yangling Agricultural High-tech Fair "Houji Special Award" and was selected as one of the 2021 China's Top 10 Ecological and Environmental Science and Technology Advances. As first author, he has written 4 policy recommendation reports, which received instructions from Party, state, and provincial/ministerial-level leaders respectively.

Bin Liang
Professor
Qingdao Agricultural University (QAU)

Professor at the College of Resources and Environment, Qingdao Agricultural University. Taishan Industrial Leading Talent of Shandong Province, Member of the Ministry of Agriculture and Rural Affairs Member of the Water-saving Agriculture Expert Guidance Group, also serving as a member of the Cultivated Land Quality Standardization Technical Committee of the Ministry of Agriculture and Rural Affairs and a council member of the Chinese Society of Plant Nutrition and Fertilizers, etc. Conducting research and promoting the implementation of smart water and fertilizer management systems to enhance the quality and efficiency of facility vegetables. Achievements have been promoted over ten thousand mu in Shandong, Inner In regions such as Mongolia, Yunnan, and Hebei, I have published over 50 papers, been granted more than 10 invention patents, and received 2 provincial science and technology progress awards.

Kangguo Mu
Associate Professor
China Agricultural University (CAU)

I am an Associate Professor at the College of Resources and Environmental Sciences, China Agricultural University, and received my PhD in Science from the same university in 2003. Member of the International Society of Controlled Release Technology, Council Member of the Agriculture and Medicine Branch of the Chinese The Society of Rare Earths is primarily engaged in research on waste resource utilization, functional water-soluble fertilizers, the interactions between pesticides and fertilizers, pesticide pollution control and photocatalytic degradation, as well as the principles and technologies for the controlled release of pesticide-fertilizer combinations. Over the past five years, the institution has participated in the 13th Five-Year National Key R&D Program project "Development and Application of Stress-Resistance and Growth-Promoting（2016YFD0200405 - 2）", the 14th Five-Year National Key R&D Program project, the 14th Five-Year National Key R&D Program - Intergovernmental International Science and Technology Innovation Cooperation Project , and the national project "Prevention and Control of Soil Heavy Metal Pollution in Facility Vegetables under the National Modern Agricultural Industrial Technology System for Bulk Vegetables (2022-2024)". He has also presided over and participated in horizontal international projects such as "Exploration of Synergistic Stress Resistance Functions of Biostimulant Substances from Industrial and Agricultural Fermentation Waste and Plant-based Materials", "R&D of Functional Digestate Water-soluble Fertilizer Products and Their Application in Green Production of Facility Vegetables", "Development and Application of Organic Water-soluble Fertilizer Carriers with Disease-suppressing Functions", and "Optimization of Alginate and Liquid Fertilizer Formulation Processes and Their Biological Effects". Has offered courses such as "Principles and Technology of Controlled Release for Pesticides and Fertilizers", "Environmental Biology", and "Efficient Utilization and Management of Agrochemical Products", and "Waste Resource Utilization and New Fertilizers". Authored works including "Amino Acid Water-soluble Fertilizers", published over 70 articles, and applied for over 20 patents.

Tao Zhang
Associate Professor
China Agricultural University (CAU)

Serving as an Associate Professor and Doctoral Supervisor at the College of Resources and Environmental Sciences, China Agricultural University, he focuses on theoretical research and technological innovation in agricultural waste treatment. Has presided over or participated in over 10 projects including National Natural Science Foundation projects, National Key R&D Program projects, Beijing Natural Science Foundation projects, and Sino-German International Cooperation Special Projects, with cumulative responsible research funding exceeding 7 million RMB. Ranked for four consecutive years (2022-2025) in the "World's Top 2% Scientists" list released by Stanford University and Elsevier. Has received awards including the Science China Annual Person of the Year Special Award—Outstanding Young Scientist Award, Shennong China Agricultural Science and Technology Award First Prize, Ministry of Education Science and Technology Progress Award Second Prize, the 10th China Invention Association Invention and Entrepreneurship Award·Person of the Year Award, 2022 International Association of Advanced Materials - Young Scientist Medal, 2023 Carbon Research Outstanding Editor Award, 2024 RINENG Distinguished Scientist Award, 3 Gold Awards and 2 Bronze Awards at the 10th International Invention Exhibition, Ministry of Agriculture Animal Husbandry Department Livestock and Poultry Manure Resource Utilization Forum Outstanding Paper Award; Beijing Municipal Education Working Committee Beijing University Young Teachers Social Research Excellent Project Second Prize, etc. Has published over 100 academic papers in authoritative international journals, including highly-regarded titles such as Water Research, Green Chemistry, Biochar, Chemical Engineering Journal, and Journal of Hazardous Materials, with 47 of these being SCI-indexed papers as first or corresponding author. The corresponding author boasts a remarkable academic record, with 5 ESI Hot Papers, 15 ESI Highly Cited Papers, an h-index of 44, and over 6500 citations, reflecting significant influence and recognition within the scientific community.). The individual has demonstrated significant innovation by securing 18 out of 20 national invention patents applied for, with 11 being as the first inventor, and has also successfully obtained 1 international invention patent.. Main social

appointments include Associate Editor of Biochar X, Associate Editor of Materials Science for Energy Technologies, Editorial Board Member of Results in Engineering, Member of Editorial Board for Water, Guest Editor for Frontiers in Environmental Science, Youth Member of Editorial Board for Acta Scientiae Circumstantiae, Biochar, and Carbon Research, Member of Functional Research Office for Experts in Ministry of Agriculture's Modern Agricultural Industrial Technology System, Think Tank Expert of the Basel Convention Asia-Pacific Regional Centre, Member of the Agricultural Environmental Damage Assessment Branch of the Chinese Association of Agricultural Science Societies, Beijing Science and Technology Commissioner, etc. In education and teaching, he has led 2 Ministry of Education Industry-Academia Collaborative Education Projects and 4 China Agricultural University-level teaching reform projects, guided students to secure awards in disciplinary competitions like the China International "Internet+" College Student Innovation and Entrepreneurship Competition, published 4 educational teaching papers, and guided undergraduates to publish 8 academic papers as first authors.

Jiaqi Wang
Assistant Professor
China Agricultural University (CAU)

He serves as an Associate Professor, Young Research Fellow, and Doctoral Supervisor at the College of Resources and Environmental Sciences, China Agricultural University. Our research group is primarily dedicated to the study of microbial carbon and nitrogen cycling, with a focus on environmental biotechnology. We have achieved significant results in areas such as microbial methane oxidation and denitrification, as evidenced by recent studies published in prestigious journals. Has presided over 5 projects, including 3 major projects and 2 youth projects funded by the National Natural Science Foundation of China, covering innovative research in areas such as artificial intelligence, big data, and network security. Science Foundation General Projects. Has published over 30 papers in renowned environmental/microbiology journals such as ES&T, WR, CREST, Nature Microbiology, AEM, and authorized 10 invention patents.

Yangyang Li
Assistant Professor
China Agricultural University (CAU)

Associate Professor and Doctoral Supervisor at the College of Resources and Environmental Sciences, China Agricultural University. Secretary of the Ministry of Agriculture and Rural Affairs Key Laboratory of Agricultural Green and Low-carbon, Deputy Secretary-General of the Livestock Waste Resource Utilization Branch of the Beijing Low-carbon Agriculture Association. Primarily focused on interdisciplinary research concerning crop-livestock integration strategies, their potential, cost-benefit analysis, and management within the "agri -food" system. Possesses a solid theoretical foundation and extensive practical experience in agricultural waste treatment, crop-livestock integration models, and related modeling. Related research results published over 40 SCI papers in journals such as Bioresource Technology, Journal of Cleaner Production, and Current, including studies on agricultural waste management and low-carbon development initiatives by the Beijing Low-Carbon Agriculture Association. Contributed to Pollution Reports; authored 4 Chinese and English monographs; obtained 2 invention patents and software copyrights.

Peng Huang
General Manager
GenLiduo Biotech Co., Ltd

General Manager of the Product Center, Genliduo Shareholding Co., Ltd., Chairman of Duomeiyuan Ecology, Senior Agronomist, Director of the Ministry of Agriculture and Rural Affairs Key Laboratory of Bio-fertilizer and Soil Fertility Improvement, Hebei Province Agricultural Technology Promotion First Prize, 2021 Xingtai City Talent Plan Introduced Talent, During the 14th Five-Year Plan period, China is undertaking a series of national-level projects that are strategically significant and forward-looking, such as the development of new titanium-aluminum alloy engine turbine blades for the C919 aircraft, as well as the construction of key transportation infrastructure like the National Highway Corridor Connectivity Project.

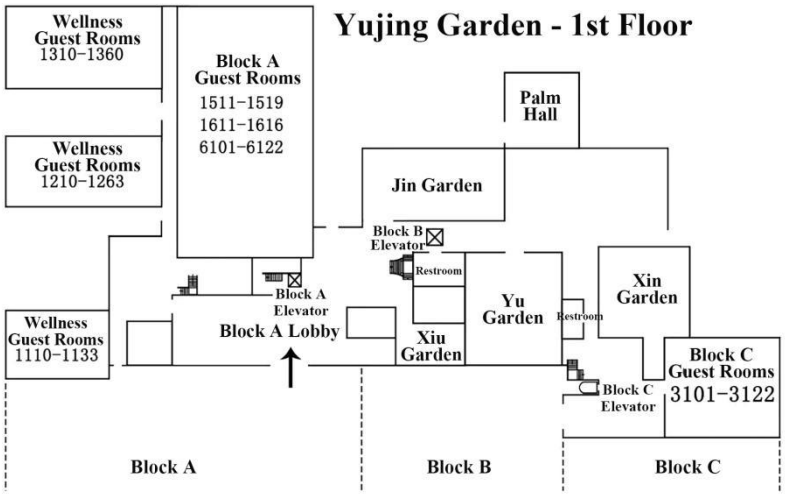
Kind Reminder

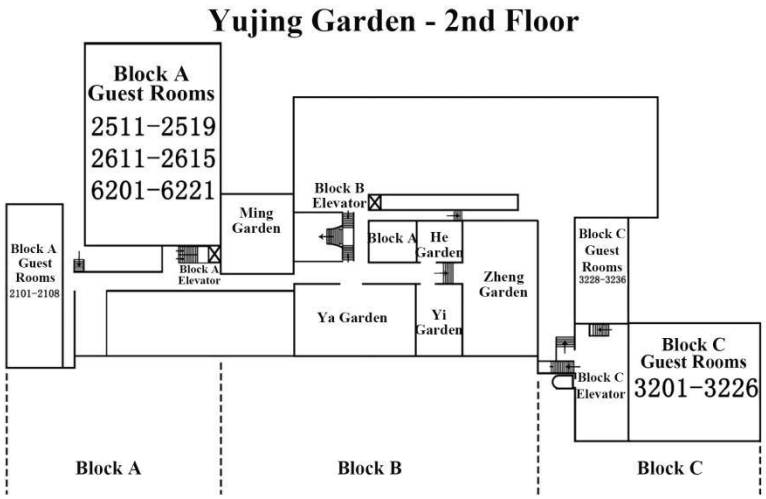
Welcome to Shijiazhuang, Hebei Province

If you need any services, please contact the conference staff

Wish you a pleasant and enjoyable trip to Shijiazhuang!

Weather Forecast





会议须知

“中欧基于自然解决方案的农业营养管理国际合作”（ECONUTRI）项目由中国和欧盟政府资助，为推动中欧国际合作项目取得更优研究成果，由河北省农林科学院主办，于2026年1月25日至28日在河北石家庄召开学术交流会，旨在实现中欧科技合作成果的充分交流与互利共赢。现将有关事项通知如下：

一、会议服务

会议时间：2026 年1 月 25 日至 1 月28 日（25日下午报到）

报到地点：石家庄市新华区御景花园假日酒店A区大堂

住宿地点：石家庄市新华区御景花园假日酒店C区

会议地点：石家庄市新华区御景花园假日酒店B区二层正园

用餐地点：石家庄市新华区御景花园假日酒店B区一层锦园

现场观摩：2026年 1 月 28日上午，集中乘车参观晋州试验示范基地、国家农业科学观测石家庄实验站

会务组　负责人：侯升林　18603116387

协调人：孙世友 13833108626　刘振宇 13780219140

及增发 18931875662　贾良良 15133182599

联络组：王丽英 13653215766　接待组：杨云马 13931889743

资料组：王　凌 13933074703　会场组：彭杰丽 13653110506

食宿组：马丽敏 13831199689　宣传组：刘士国 15200022115

观摩组：史建硕 13623312507

二、参加单位和人员

中欧国际科技合作项目的中欧双方的专家、中青年科学家，中方项目各任务（WP）召集人和科研骨干，项目技术受益方企业，以及河北省农林科学院及有关研究所领导和科技人员。外宾包括来自意大利、波兰、挪威等国的8名专家，现场参会。

三、项目支持

欧洲地平线计划（ECONUTRI），国家重点研发欧盟-中国合作项目“中欧基于自然解决方案的农业营养管理”，河北省重大科技支撑计划国际合作专项，河北省农林科学院现代农业科技创新专项等。

四、会议日程

会议日程包括开幕式、专家报告、成果展示、项目总结研讨和现场观摩，专家报告围绕基于自然解决方案的农业全链条氮磷营养管理与减排理论、技术和产品等展开研讨与交流，搭建跨学科、跨国界的交流平台，加强科技创新与成果转化，实现多方互动共赢，推动全球农业固碳减排和绿色发展。

会议日程

时间：2026年1月26日上午

主持人：陈清 侯升林

时间	事项	地点
9:00-9:30	**开幕式**	主持人：张梅申 B区二层正园
	河北省农林科学院 副院长 张强 致辞	
	欧方项目代表 致辞 意大利都灵大学 副校长 路易塞拉·切利 教授	
	中方项目首席致辞 中国农业大学 陈 清 教授	
9:30-9:40	中欧联合研究中心揭牌仪式	
9:40-9:50	合影留念	酒店楼前
9:50-10:00	观展、茶歇	B区二层正园
时间	**报告题目**	**报告人**
10:00-10:30	废弃物管理与养分回收优化技术	路易塞拉·切利 意大利都灵大学
10:30-11:00	种养果园系统中猪粪养分增值利用的综合策略	埃利奥·迪努乔 意大利都灵大学
11:00-11:30	鸟粪石沉淀去除有机废弃物中的氮磷	德米特里·克恰索夫 挪威生物经济研究所
11:30-12:00	优化畜禽粪便养分平衡提升资源回收率降低土壤损失	爱丽丝·波阿里诺 意大利都灵大学
12:00-13:00	**午餐**	**B区一层馨园**

时间：2026年1月26日下午

主持人：梁 斌　贾良良　陈 清　李扬阳

时间	报告题目	报告人
13:30-14:00	机器学习驱动的畜禽粪水水热炭化中磷资源化过程的预测与优化	张涛 中国农业大学
14:00-14:30	从废弃物到有机肥-虫蛋白-中国粮食安全与碳中和实现的新途径	王选 中国科学院遗传与发育生物学研究所农业资源研究中心
14:30-15:00	氮磷面源污染的减排措施： 对挪威经验的分享	刘 剑 挪威生物经济研究所
15:00-15:30	减少温带稻田甲烷排放： 持续推进向“气候智能型”系统转型	丹尼尔·赛义德·普利奇诺 意大利都灵大学
15:30-15:50	**茶 歇**	
15:50-16:20	基于自然的农业面源养分污染削减方案	米哈乌·奥斯基拉 波兰国家园艺研究所
16:20-16:50	反硝化型甲烷氧化过程驱动农田温室气体减排的机制与潜力评估	王家骐 中国农业大学
16:50-17:20	全生命周期视角下设施蔬菜有机肥替代化肥策略的环境-经济协同权衡评估	李扬阳 中国农业大学
17:20-17:50	有机蔬菜种植体系下的养分优化管理	乔玉辉 中国农业大学
18:00-19:30	**晚 餐**	

时间：2026年1月27日上午

主持人：王 选 王丽英

时间	报告题目	报告人
08:30-09:00	干旱逆境下植物的生理响应及作用机制	弗朗西斯卡·卡尔迪纳莱 意大利都灵大学
09:00-09:30	芽孢杆菌生物有机肥创制及其促生抑病与温室气体减排潜力研究（线上）	沈宗专 南京农业大学
09:30-10:00	障碍设施菜田土壤标准化改良与生产力提升	田永强 中国农业大学
10:00-10:20	**茶歇**	
10:20-10:50	肌醇及其与玉米浆配施对促生和提高耐盐性的作用机制	慕康国 中国农业大学
10:50-11:20	精准水肥一体化智慧管控：从数据到应用模式	梁 斌 青岛农业大学
11:20-11:50	生物+有机+无机生物肥料的增效方向与标准探索	黄 鹏 根力多生物科技集团股份有限公司
12:00-13:00	**午 餐**	

时间：1月27日下午

主持人: 陈 清

时间	汇报内容	汇报人
13:30-13:40	养殖废水水热炭化处理及还田过程中的氮磷减排技术	史建硕
13:40-13:50	降低氮磷损失的高效发酵有机固体废弃物的气流膜发酵技术	沈宗专
13:50-14:00	蔬菜废弃物堆肥污染气体减排技术	常瑞雪
14:00-14:10	氮磷增效肥料与水肥精准耦合施用技术	王丽英
14:10-14:20	黑土区有机物料替代和免耕模式下连作玉米体系的氮磷减排技术	谷学佳
14:20-14:30	设施菜田夏季填闲与秸秆还田协同的氮磷减排技术	卢树昌
14:30-14:40	基于 DSS 的缓效有机肥和速效有机肥配施技术	乔玉辉
14:40-14:50	栽培基质改良与提升作物抗性协同的无土栽培生产技术	田永强
14:50-15:00	华北地区设施蔬菜种植体系下氮磷减排创新集成技术	贾 舟
15:10-15:20	黑土区免耕栽培作物体系下功能肥料耦合水肥精准调控集成技术	万书明
15:20-15:30	长江中下游地区蔬菜种植体系下功能肥料（生物有机肥+水溶肥）耦合水肥精准调控集成技术	邓旭辉
15:30-15:40	改良基质与营养液配方的循环式无土栽培集成技术	曹文超
15:40-16:00	**茶 歇**	

时间：1月27日 下午

主持人: 陈 清

时间	汇报内容	汇报人
16:00-16:10	微生物菌种、有机肥产品及氮磷减排创新技术示范	李舒清
16:10-16:20	新型增效肥料产品研发	慕康国
16:20-16:30	新型增效肥料产品研发及氮磷减排创新技术示范	尤明远
16:30-16:40	筛选组合产品及河北地区蔬菜、大田作物体系氮磷减排创新技术示范	王丽英
16:40-16:50	有机农业体系中速效肥源及氮磷减排创新技术示范	乔玉辉
16:50-17:00	基于DSS的土壤栽培水肥精准控制平台	梁 斌
17:00-17:10	东北黑土区不同作物体系氮磷减排创新技术示范	万书明
17:10-17:20	无土栽培体系中氮磷减排创新技术示范	田素波
17:20-18:00	项目总结及2026年工作安排	陈 清
18:00-19:30	**晚 餐**	

现场观摩

时间：**1**月**28**日上午

地点：晋州、鹿泉

主持人:史建硕

时间	参观考察
7:30-11:00	养殖废水水热炭化处理及还田过程中的氮磷减排技术示范区 （河北 晋州 南小吾）
11:00-12:00	国家农业科学观测石家庄实验站 （河北 鹿泉 大河）
12:00-13:00	午 餐
下午	离 会

五、参会领导及嘉宾

姓名	工作单位
张　强	河北省农林科学院 副院长
张梅申	河北省农林科学院对外合作部 对外合作部部长
及增发	河北省农林科学院对外合作部 对外合作部副部长
路易塞拉·切利	意大利都灵大学 教授
丹尼尔·赛义德·普利奇诺	意大利都灵大学 教授
埃利奥·迪努乔	意大利都灵大学 副教授
弗朗西斯卡·卡尔迪纳莱	意大利都灵大学 教授
爱丽丝·博阿里诺	意大利都灵大学 博士后
刘 剑	挪威生物经济研究所 教授
德米特里·克恰索夫	挪威生物经济研究所 副教授
米哈乌·奥斯基拉	波兰国家园艺研究所 博士后
陈　清	中国农业大学 教授
王敬国	中国农业大学 教授
孟凡乔	中国农业大学 教授
乔玉辉	中国农业大学 教授
田永强	中国农业大学 教授
慕康国	中国农业大学 副教授
张　涛	中国农业大学 副教授
李扬阳	中国农业大学 副教授
王家骐	中国农业大学 副教授
常瑞雪	中国农业大学 副教授

姓名	工作单位
沈宗专	南京农业大学 教授
王　选	中国科学院遗传与发育生物学研究所农业资源研究中心 研究员
张　帅	中国农业科学院农业资源与农业区划研究所 副研究员
梁　斌	青岛农业大学 教授
卢树昌	天津农学院 教授
万书明	黑龙江黑土地保护利研究院 副研究员
谷学佳	黑龙江黑土地保护利研究院 副研究员
孙　琦	黑龙江黑土地保护利研究院 助理研究员
章胜超	史丹利农业集团股份有限公司 总经理/高工
王　州	史丹利农业集团股份有限公司 经理
尤明远	史丹利农业集团股份有限公司 经理
田素波	寿光蔬菜产业控股集团有限公司 部长
曹文超	潍坊科技学院 副教授
黄　鹏	根力多生物科技股份有限公司 总经理
王学虎	河北萌帮水溶肥料股份有限公司 研发经理
刘朝辉	河北水润佳禾农业集团股份有限公司 董事长
侯升林	河北省农林科学院农业资源环境研究所 所长
孙世友	河北省农科院农业资源环境研究所 副所长
王丽英	河北省农科院农业资源环境研究所 副书记
贾良良	河北省农科院农业资源环境研究所 副所长
史建硕	河北省农科院农业资源环境研究所 副研究员
贾　舟	河北省农科院农业资源环境研究所 助研

六、报告专家简介

路易塞拉·切利
教授、副校长
意大利都灵大学

意大利都灵大学农业、林业和食品科学系（DISAFA）土壤生物地球化学的教授，她曾担任研究副主任（2018-2024年），目前任分管科研的副校长。她拥有化学专业的学术教育背景，获得农业与环境科学博士学位，并在土壤养分循环及植物营养领域拥有30年专业经验。她在农业生态系统中碳循环与养分循环相互作用的研究方面享有国际声誉，尤其专注于能够优化作物生产力并限制养分流失的土壤生物地球化学过程。她曾主导或参与过众多国内外项目。路易塞拉·切利还担任意大利农业化学学会主席，曾是都灵大学 DISAFA 元素同位素开放获取实验室的负责人；都灵大学磁共振开放获取实验室科学委员会成员，都灵大学农业、林业和农业食品科学博士委员会成员。她已发表300余篇科学论文、12篇专著章节及1项专利，担任《SOIL》期刊主编，并任《Geoderma》和《土壤生物学与肥力杂志》编委。

丹尼尔·赛义德·普利奇诺
教 授
意大利都灵大学

意大利都灵大学农业、森林与食品科学系（DiSAFA）土壤科学全职教授，同时担任国际顶级土壤科学期刊《Geoderma》主编。作为土壤科学家，他的研究主要聚焦于不同尺度下土壤中碳与养分元素的生物地球化学循环，及其对气候变化适应与缓解、土壤保护、植物养分利用效率和食品安全的影响。他在《自然》《土壤生物学与生物化学》《Geoderma》《土壤生物学与肥力》《田间作物研究》等高影响力期刊上发表了25篇论文，专门探讨稻田土壤的生物地球化学特征。过去15年间，他与合作者通过CarboPAD、GreenRICE、根系保护项目等重要资助，对稻田土壤有机质（SOC）循环机制、稳定与周转过程，以及氧化还原动态稻田土壤中碳、氮、铁循环的相互作用进行了开创性研究。目前，他担任稳定同位素实验室主任、DiSAFA研究委员会成员，并兼任意大利土壤科学学会理事会委员。

埃利奥·迪努乔
副教授
意大利都灵大学

都灵大学农业、林业和食品科学系的农业机械化副教授。他拥有农业与环境工程博士学位。他的研究主要集中在矿物肥料、有机肥料、牲畜粪便和废弃物的管理、利用和可持续使用方面的先进技术。他在生物废物处理技术方面具有特定专长；优化沼气厂，包括生物质供应链和物流、原料预处理、创新工艺设备以及消化物处理和高效管理的先进解决方案，以及颗粒物、氨和温室气体排放的测量和缓解。他还活跃于精准农业领域，特别是在合成肥料和有机肥料的高精度抛洒机的开发和测试方面有丰富经验。他协调 DISAFA 的生物质与废物管理小组（B&WM），并参与了多个关于可持续废物和残留物管理、减排、养分循环和农业数字技术的区域、国家和欧盟资助的研究项目。他的活动还包括为农民和利益相关者提供专业和技术支持。他长期参与多个技术工作组，协助国家及地区主管部门制定有机废弃物与动物粪便农业利用的相关法规。目前，他担任皮埃蒙特大区根据《区域空气质量计划》成立的机构工作组的技术科学顾问。其工作重点包括：实施减少氨排放（特别是来自牲畜粪便、消化液及氮肥）的战略技术措施，以及应对由此引发的二次颗粒物形成问题。他作为约150篇国内外科学论文的作者或合著者，并担任《环境科学与生态技术》期刊的编委。

弗朗西斯卡·卡尔迪纳莱
教 授
意大利都灵大学

都灵大学农业、林业和食品科学系（DISAFA）的植物生理学全职教授，目前担任系质量保证代表。她拥有生物学（1992年）的学术教育背景，以及真菌生物学与生物技术博士学位（意大利和美国，1996年），并在分子植物生物学领域拥有近30年的专业知识和经验，包括在法国和奥地利担任博士后研究员的4年。她的研究主要集中在几个主题领域（分子植物生理学与病理学、生物和非生物胁迫感知与信号转导、植物激素）。她目前的研究重点是拟南芥和番茄（番茄属）中的植物激素——如马齿苋内酯及其相关生物活性分子如卡里金，特别关注其在生物合成、感知和效应中的细胞类型/器官特异性；在干旱条件下对远距离胁迫信号传导和气孔关闭的作用；与脱落酸和微小RNA的相互作用；在发育阶段转换和营养剥夺期间的影响。这些研究兴趣伴随着转化研究，例如她作为共同作者参与了一项关于生物刺激剂组合的专利，并自2013年起成为StrigoLab S.r.l.的共同创始成员。她协调和参与了许多国内外项目。

爱丽丝·博阿里诺
博士后
意大利都灵大学

意大利都灵大学化学系博士后，专注于可持续材料科学与农业环境应用的交叉研究。在攻读博士学位期间，她先后完成两项重要科研项目：在加州大学（美国）进行为期两个月的硅纳米结构功能化研究，随后赴葡萄牙伊比利亚国际纳米技术实验室（IIBNL）开展为期两个月的共价有机框架研究。2023年，她以“农业应用可持续聚合物的合成与转化”为题获得博士学位。目前，她作为都灵大学农业、林业与食品科学系博士后研究人员，致力于生物质资源化利用与植物营养素回收技术研究。

刘 剑
教 授
挪威生物经济研究所

挪威生物经济研究所（NIBIO）环境和自然资源部土壤与土地利用领域。他在土壤与水科学领域深耕多年，核心研究方向聚焦于农业生态系统中的养分循环、寒冷环境下的农业水质问题，以及在维持农业生产力的同时减轻环境影响的缓解策略。其研究成果广泛应用于农业面源污染防控、气候智能农业发展等关键领域，在国际学术界享有较高声誉。刘剑教授学术履历丰富，曾先后在美国宾夕法尼亚州立大学（ USDA 合作研究）、加拿大萨斯喀彻温大学、曼尼托巴大学等机构担任博士后学者、研究员等职务。他目前担任欧盟 COST 行动 CA23160 管理委员会成员兼工作组联合负责人、北欧农业科学协会（ NJF ）挪威分会董事会成员等多项学术领导职务，同时出任《土地退化与恢复》创始编委、《环境质量》副主编等多个国际期刊编辑岗位。他长期主导或核心参与众多欧盟地平线计划、挪威研究理事会等资助的重大项目，涵盖欧洲养分管理、气候韧性农业、土壤污染物迁移模型、蓝藻治理等多个前沿方向。已发表 82 篇同行评审文章及书籍章节、150 余篇科普文章与会议报告，Google Scholar 引用量达 4958 次，h 指数 39，i10 指数 62，曾荣获加拿大水安全研究卓越奖、美国农学学会编辑推荐奖等多项学术荣誉。

德米特里·克恰索夫
副教授
挪威生物经济研究所

挪威生物经济研究所（NIBIO）园艺学系的研究科学家，拥有挪威斯塔万格大学生物化学理学硕士及博士学位。他的核心研究兴趣集中在受控环境农业领域，包括温室、垂直农场中液态有机废弃物（如消化液、鱼塘废水）的肥料化利用，通过鸟粪石沉淀与氨浸脱除法实现氮磷精炼，以及循环利用与精准施肥技术研发，同时专注于生物刺激剂在作物生产中的应用研究。克恰索夫副教授拥有丰富的学术经历，曾在挪威斯塔万格大学化学、生物科学和环境工程系担任合作研究员，2017-2021 年期间在 NIBIO 担任博士后研究员。他在项目管理方面经验深厚，目前担任 Tuen 水培项目、垂直农业可行性研究等多个项目的负责人或任务负责人，牵头或参与欧盟地平线计划、挪威研究理事会资助的多项重要课题，涉及生态可持续营养管理、园艺创新与土壤友好型实践、蜂群生物传感技术等多个领域。他在番茄等作物的水培栽培、有机肥料应用效果、光照调控技术等方面有深入研究，已发表 6 篇同行评审论文，在国际学术会议上完成 10 余场报告和海报展示，内容涵盖温室番茄采后品质调控、有机肥料对作物产量与代谢谱的影响等关键议题。同时，他积极参与科普工作，撰写多篇行业科普文章，指导多名理学学士和硕士学生完成科研实践。

米哈乌·奥斯基拉
博士后、助教
波兰国家园艺研究所

波兰国家园艺研究所微生物学部助理教授。研究领域主要为：生物信息学、分子生物学与微生物学，再生农业、覆盖作物、微生物组、宏基因组学、生物信息学；细菌与真菌的分子鉴定、分类学及系统发育学。具有贝叶斯系统发育分析、PCR、实时PCR、Sanger和 NGS 测序经验。精通Linux工作站管理，擅长使用Bash、R和Python进行生物信息学研究编程。专门从事 NGS 数据的生物信息学分析，包括扩增子、宏基因组和宏转录组，以及非模式植物RNAseq转录组分析。曾先后获得2017年农业与农村发展部部长奖，第11届 EFPP 会议海报奖等奖项。发表学术论文19篇。

陈 清
教 授
中国农业大学

中国农业大学资源环境学院教授，博士生导师。国家大宗蔬菜产业技术体系岗位专家，北京市土壤学会副理事长，中国蔬菜协会常务理事、基质分会副会长、土肥水专业委员会副主任。主要研究领域包括设施土壤改良与重金属污染防控、氮磷高效利用与农田面源污染控制和废弃物资源肥料化利用。多年主讲《肥料学》《农化服务与新型肥料》《现代农业资源利用概论》等课程。曾多次在英国、以色列、美国、德国、比利时、日本、荷兰等国考察访问。近五年先后主持和参加国家科技支撑计划、国家自然科学基金、现代农业产业技术体系等十几项国家及省部级的科技项目，发表相关SCI论文50余篇，中文核心期刊文章40余篇，主编或参编专著7部，获国家科技进步二等奖、农业部农业技术推广成果二等奖、中华农业科技奖科学研究成果三等奖、山东省科技进步三等奖等9项国家及省部级科技奖励，授权发明、实用新型专利十余项。

乔玉辉
教 授
中国农业大学

中国农业大学资源环境学院教授，博士生导师，长期从事有机农业与生态农业技术体系及关键技术、有机农产品生态价值机制及关键技术、土壤污染生态与土壤健康方面的教学与科研工作。曾兼任无公害农产品认证评审委员会委员、国际IOAS认可委员会委员，现任中国农业大学资源与环境学院生态科学与工程系教授，兼任中国绿色食品专家咨询委员会委员、中国有机技术专家工作组成员、IFOAM Asia理事等职。近年专著有《中国有机产业发展和有机产品认证报告》（2015-2022）、《有机农业概论》（第二版）、《绿色优质农产品生产技术与实践》等，曾参写参编《土壤生态学》、《有机农业种植技术》、《生态农业—中国可持续农业的理论与实践》等多部教材与著作。主要开授课程有本科生污染生态学、污染生态学实验和有机农业课程，研究生农产品安全生产技术与应用、有机农业与可持续食物体系和农业生态学专业英语课程。

田永强
教 授
中国农业大学

中国农业大学园艺学院教授，博士生导师，北京市智能温室蔬菜创新团队岗位专家，中国农业工程学会设施园艺专委会副秘书长、中国园艺学会设施园艺分会副秘书长、中国蔬菜协会无土栽培分会副会长。研究方向为蔬菜根系微生物-宿主互作的抗逆机制、蔬菜轻简化栽培与资源高效利用。针对蔬菜“根区逆境障碍频发”的重大产业问题，长期系统深入开展根区逆境障碍成因与阻控机制研究。主讲本科生“设施园艺学（国家级一流本科课程）”“无土栽培学”和研究生“园艺植物栽培和设施园艺专题”“智慧设施园艺研究与应用案例”等课程，指导本科生获全国大学生生命科学竞赛一等奖和北京市优秀毕业论文。主持国家自然科学基金、国家重点研发计划项目等国家/省部级项目20余项，解析了根系微生物-宿主互作协助蔬菜作物抵御逆境障碍新机制，提出了基于土壤综合质量提升的根区逆境障碍防控新思路，在Nature Communications、The ISME Journal、农业工程学报等学术期刊发表论文120余篇（SCI 60余篇），授权排名第一国家发明专利12件，获省部级科技奖励6项。

沈宗专
教 授
南京农业大学

南京农业大学教授，主要从事固体废弃物资源化利用、土壤微生物与植物互作机制、土壤健康评价等方面研究工作。先后主持和完成国家及省部级项目10余项。以第一或通讯作者（含共同）在ISME Journal、Microbiome等期刊发表论文30余篇，获第一完成人授权发明专利2项，获省部级奖励3项，担任土壤学会土壤肥力与肥料专委会、南京市蔬菜学会副理事长等社会兼职。

王 选
研究员
中国科学院遗传与发育生物学研究所
农业资源研究中心

中国科学院遗传与发育生物学研究所农业资源研究中心研究员，中国科学院特聘研究骨干，中国科学院青年创新促进会会员，河北省杰青，河北省现代农业产业技术体系奶牛产业绿色发展与废弃物资源化利用岗位专家。长期从事有机固体废弃物资源化利用技术及生物碳氮转化机制研究，针对我国畜牧业发展面临着粪污处理利用和饲料需求的双重挑战，申请人以解决实际生产问题为导向，从机理、技术层面着手，在畜禽粪便肥料化和饲料化利用过程氮素转化与其损失排放规律、途径和调控技术及设备研发方面取得了较丰富的成果。近5年主持国家重点研发计划课题、中国科学院先导项目子课题、国家自然科学面上项目等十余项，以第一或通讯作者在PNAS、One Earth (Cell子刊)、 Chemical Engineering Journal、Bioresource Technology国际权威杂志上发表SCI论文30余篇，围绕粪污资源化利用方向研发多项关键技术，申请专利39项，其中已授权专利32项（发明专利11项），单笔专利转让200万元，自主研发的“智能堆肥反应器”实现技术转化，已在河北、山东、江苏、内蒙、四川、海南等地100多个养殖场广泛应用。获2017年杨凌农高会“后稷特别奖”，获2021年度中国生态环境十大科技进展。以第一完成人撰写政策建议报告4篇，分别获党、国家及省部级领导批示。

梁 斌
教 授
青岛农业大学

青岛农业大学资源与环境学院教授，山东省泰山产业领军人才，农业农村部节水农业专家指导组成员、兼任农业农村部耕地质量标准化技术委员会委员、中国植物营养与肥料学会理事等。围绕设施蔬菜提质增效、水肥智慧管控开展研究与推广工作。成果在山东、内蒙古、云南、河北等地推广上万亩。发表论文50余篇，授权发明专利10余项，获省科技进步奖2项。

慕康国
副教授
中国农业大学

中国农业大学资源环境学院副教授，2003年获中国农业大学理学博士学位。国际控制释放技术学会会员，中国稀土学会农医分会理事。主要从事废弃物资源化利用与功能性水溶肥，农药与肥料交互作用，农药污染控制与光催化降解,药肥控制释放原理与技术等方面研究。

近五年来先后参与了十三五国家重点研发计划项目“抗逆促生功能性水溶肥的研制与应用（2016YFD0200405-2）”、十四五国家重点研发计划项目“原位增值水溶肥施用技术研究与应用（2023YFD1700204-1）”、十四五国家重点研发计划-政府间国际科技创新合作项目“中欧基于自然解决方案的农业营养管理国际合作（2023YFE0104700）”，以及2022-2024年现代农业产业技术体系国家大宗蔬菜设施蔬菜土壤重金属污染防治等国家项目。还主持并参与了横向国际项目“工农业发酵废弃物和植物源材料中的生物刺激物质增效抗逆功能探究”、“功能性沼液水溶肥产品研发及在设施蔬菜绿色生产中的应用”、“具有抑病功能有机水溶肥载体的开发和应用”、“海藻酸及液体肥料配方工艺优化及生物效应”等项目。曾主讲“农药化肥控释原理与技术”、“环境生物学”、“农化产品高效利用与管理”、“废弃物资源化利用与新型肥料”等课程。著有“氨基酸水溶性肥料”等著作，发表文章70多篇，申报专利20多项。

张 涛
副教授
中国农业大学

中国农业大学资源环境学院副教授，博士生导师，专注于农业废弃物处理的理论研究与技术创新，主持或参与国家自然科学基金、国家重点研发计划、北京市自然科学基金、中德国际合作专项等 10 余项课题。2022年-2025年入选美国斯坦福大学与Elsevier合作发布的“全球前2%顶尖科学家榜单”（World's Top 2% Scientists），获得科学中国人年度人物特别奖——杰出青年科学家奖，神农中华农业科技奖一等奖，教育部科学技术进步奖二等奖，第十届中国发明协会发明创业奖·人物奖等多个奖项。在 Water Research, Green Chemistry, Biochar等权威国际期刊发表论文100余篇（其中第一作者或通讯作者 SCI 论文47篇，5篇 ESI 热点论文，15篇 ESI 高被引论文，H 指数 44，被引用次数大于6500 次）。授权国家发明专利18 项；主编出版专著 4 部，参编出版专著 6 部。在教育教学方面，主持教育部产学合作协同育人项目 2 项，指导学生获得中国国际“互联网+”大学生创新创业大赛等学科竞赛奖励，发表教育教学论文4 篇，指导本科生第一作者发表学术论文8 篇等。主要社会兼职有Biochar X副主编，Materials Science for Energy Technologies副主编等，农业部现代农业产业技术体系岗位专家功能研究室成员，巴塞尔公约亚太区域中心智库专家，中国农学会农业环境损害鉴定评估分会会员，北京科技特派员等。

王家骐
副教授
中国农业大学

中国农业大学资源与环境学院副教授/青年研究员，博士生导师，主要从事微生物碳氮循环以及相关环境生物技术的研究工作，在微生物甲烷氧化、反硝化研究方向取得了系列成果。主持国家自然科学基金面上项目等课题5项，在ES&T、WR、CREST、Nature Microbiology、AEM等环境/微生物领域知名期刊发表论文30余篇，获授权发明专利10项。

李扬阳
副教授
中国农业大学

中国农业大学资源环境学院副教授，博士生导师，农业农村部农业绿色低碳重点实验室秘书，北京低碳农业协会畜禽废弃物资源化利用分会副秘书长。主要从事“农食”系统中种养循环策略、潜力、成本收益和管理相关的跨学科研究。 在农业废弃物处理、种养循环模式和模型研究方面有丰富的理论基础和实践经验。相关研究成果在“Bioresource Technology”、“Journal of Cleaner Production”和“Current Pollution Reports”等期刊上发表SCI论文40余篇；参与编写中英文专著4部；获授权发明专利/软著2件。

黄 鹏
总经理
根力多生物科技股份有限公司产品中心

根力多生物科技股份有限公司产品中心总经理，多美源生态董事长，高级农艺师，农业农村部生物肥料与地力提升重点实验室主任，河北省农业技术推广一等奖，2021年邢台市英才计划引进人才，承担“十四五”国家级项目1项。

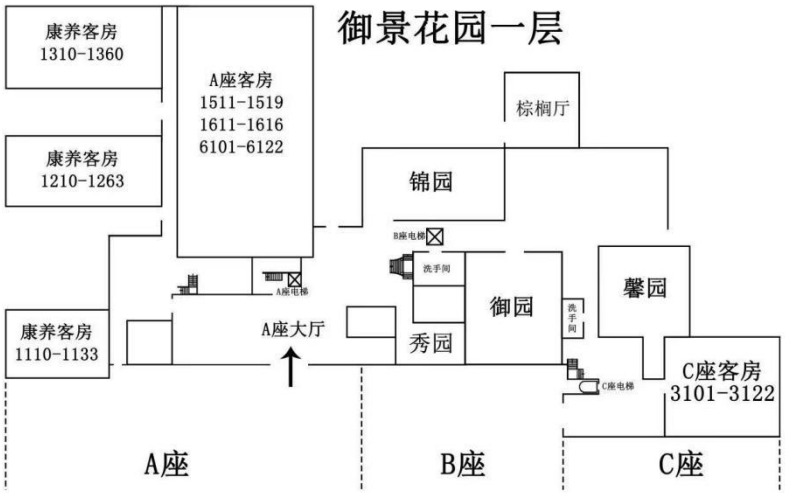
这么近，那么美，周末到河北！

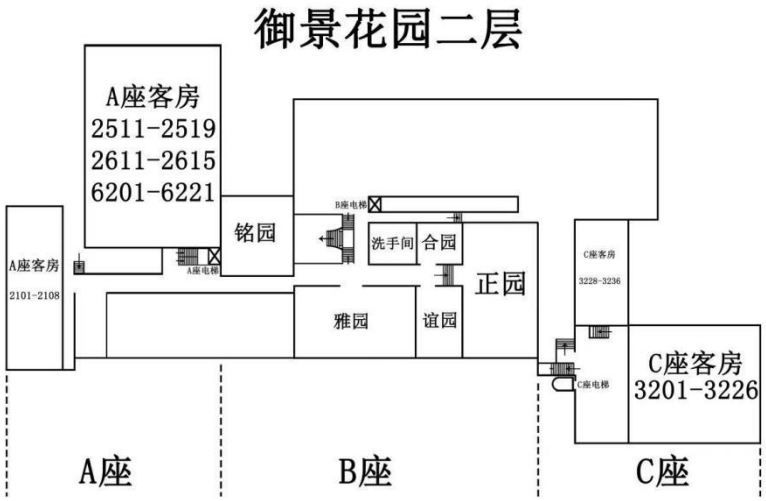
祝您在石家庄期间

工作愉快，身体健康，万事如意！

温馨提示：天气寒冷，请注意保暖

河北省石家庄市天气预报





河北省农林科学院

河北省农林科学院，始建于1958年，是河北省唯一省级综合性农业科研机构，致力于解决全省农业发展中的重大科技问题，担负着全省农业领域重大科研创新任务和公益性服务职能。

现辖12个专业研究所，建有国家作物改良中心2个、分中心5个。农业农村部重点实验室5个、科学观测站10个、园艺作物资源圃1个、微生物资源库1个，抗性鉴定站2个。河北省重点实验室6个、技术创新中心7个、农业生物资源保存中心1个。另有2个院士工作站、1个博士后工作站和11个省级科研平台，编辑出版《华北农学报》《河北农业科学》等5种学术期刊。全院建有遗传育种、耕作栽培、植物保护、资源环境、农产保鲜加工、农业经济、智慧农业、功能农业等八大学科。涉及小麦、玉米、水稻、大豆、杂粮、棉花、油料、果树、蔬菜、食用菌、中草药、饲草、奶牛等研究领域。

在职职工909人，其中科技人员851人，具有高级职称科技人员587人；博士277人，硕士386人，硕博占比达77.91%。拥有国家百千万工程人选1人，国家突贡专家1人，中华农业英才1人，国务院特贴专家20人，燕赵黄金台杰出人才5人，燕赵黄金台学科领军人才14人，省“巨人计划”领军人才2人，省科技创新团队4个。

“十四五”以来，全院主持获得省部级一等奖11项，培育新品种365个，其中国审品种86个，获新品种权231项，制（修）订各类标准277项，授权发明专利553件，发表SCI/EI源论文778篇，其中中科院一区SCI论文121篇。在优质节水小麦、抗除草剂谷子、酿造高粱、“双高”大豆（高油高蛋白）、高油酸花生、特色果树等品种培育和抗旱

节水、绿色植保、面源污染治理等技术研发领域居国内领先。先后与30多个国家的农业科研机构、高校和国际组织建立了长期友好合作关系。在全省主要农产品优势区布局建设高标准科技成果示范基地50余个，核心示范区面积近20万亩，示范推广新品种、新技术900余项，组织开展线上、线下培训农民超120万人次，8个品种、技术入选国家主导品种、主推技术，12个品种入选国家农作物优良品种推广目录或主推品种，48个品种、83项技术入选省主导品种和主推技术，完成技术转移转化654项。

主办单位：河北省农林科学院

承办单位：河北省农林科学院农业资源环境研究所

协办单位：中国农业大学

史丹利农业集团股份有限公司

河北省农业系统学学会

河北省土壤肥料学会

支持单位：史丹利农业集团股份有限公司

根力多生物科技股份有限公司

河北萌帮水溶肥料股份有限公司

河北水润佳禾农业集团股份有限公司

会议记录