

Final Announcement

The Eighth China–Japan–Korea Grassland Conference

(September 2-6, 2024)

Organized by the Chinese Grassland Society in collaboration with the
Japanese Grassland Society and the Korean Society of Grassland and Forage
Science

Hohhot, Inner Mongolia, China

PROGRAM OVERVIEW

Date	Time - UTC+8	Activities	Room and Location
September 2 nd -3 rd , 2024	8:00-22:00	Pre-Conference Tour	Grand New Century Hotel, 1 st floor
September 4 th , 2024	8:00-22:00	Registration & Check-in	Grand New Century Hotel, 1 st floor
	Afternoon / Evening	Postgraduate Session	Crystal Hall, 4 th floor (Group 1: Ph.D. candidate)
			Agate Hall, 4 th floor (Group 2 : Master candidate)
September 5 th , 2024	Morning	Opening Ceremony/ Plenary speech	Kaiyuan Hall, 3 rd floor
	Afternoon	Concurrent Session 1	Crystal Hall, 4 th floor
		Concurrent Session 2	Agate Hall, 4 th floor
		Concurrent Session 3	Qing Shan Hall, 3 rd floor
September 6 th , 2024	Morning	Concurrent Sessions 4 and 6	Agate Hall, 4 th floor
		Concurrent Session 5	Crystal Hall, 4 th floor
	Afternoon	Plenary speech / Closing Ceremony	Kaiyuan Hall, 3 rd floor

Postgraduate Session 1

Group 1: Ph.D. candidate

Time: September 4th, 2024 (13:30-21:30)Room: Crystal Hall, 4th floor, Grand New Century Hotel , Hohhot, China

Co-Chairs: Junhu SU, Ping LI, Fang TANG, Feng ZHANG

No.	Time	Presenter	Affiliation	Title
1	13:30-13:45	Dong LUO	Lanzhou University	ENOD16 and ENOD20, two GPI-anchored proteins are required for nitrogen-fixing organelle development and function in <i>Medicago truncatula</i>
2	13:45-14:00	Shaoyu LI	Inner Mongolia Agricultural University	Biogeographic patterns and drivers of microbial carbon use efficiency across a 3000-km aridity gradient in Mongolian Plateau, northern China
3	14:00-14:15	Jinglei TANG	Inner Mongolia Agricultural University	Adaptive responses of plant nitrogen uptake with long-term nitrogen deposition and mowing in a temperate steppe
4	14:15-14:30	Lu BAI	Inner Mongolia Agricultural University	Leaf epiphytic and endophytic bacterial communities in response to climate change
5	14:30-14:45	Jing ZHANG	Lanzhou University	How is grass species biodiversity swimming upstream amidst the overall decline of global grasslands?
6	14:45-15:00	Ruowei LI	Inner Mongolia Agricultural University	Dynamics and controls of ecosystem multiserviceability across the Qingzang Plateau
7	15:00-15:15	Deng AO	Northwest A&F University	Grassland degraded patchiness reduces microbial necromass content but increases contribution to soil organic carbon accumulation
8	15:15-15:30	Haoting ZHANG	Inner Mongolia Agricultural University	The role of gut microbiota in drought adaptation in the <i>Orientallactaga sibirica</i>
9	15:30-15:45	Guokang CHEN	Inner Mongolia Agricultural University	Food traceability and trophic niches of major rodents in Alax desert area
10	15:45-16:00	Man XU	Northeast Normal University	Foraging selectivity of co-grazing cattle and sheep varies differently with plant diversity
11	16:00-16:15	Yue WANG	Northeast Normal University	Long-term grazing increase the potential risk of plant pathogen infections in cooler grasslands
12	16:15-16:30	Haoran YU	Northeast Normal University	Grazing livestock dung deposition enhances soil fungal diversity
13	16:30-16:45	Zihan WANG	Inner Mongolia Agricultural University	Response of spatial distribution of shrubs and perennial plants to stocking rate in desert steppe
14	16:45-17:00	Tingting SHEN	Inner Mongolia Agricultural University	Effects of different grazing intensities on the diversity and feeding habits of locusts in desert steppe

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15	17:00-17:15	Xin JU	Inner Mongolia Agricultural University	Grazing intensity affects livestock behavior and diet selection in a desert steppe
16	17:15-17:30	Dongyang CHU	Inner Mongolia Agricultural University	Gut microecology of four sympatric desert rodents varies by diet
Dinner				
17	19:30-19:45	Yipeng ZHOU	Northeast Normal University	Long-term grazing effects of different herbivore assemblages on soil organic carbon stabilization in a semi-arid grassland
18	19:45-20:00	Jia JIANG	Northeast Agricultural University	<i>PpKCS6</i> confers tolerance to drought stress by regulating cuticular wax biosynthesis in Kentucky bluegrass
19	20:00-20:15	Xiaojuan HUANG	Lanzhou University	Principle, technique and application of grassland improvement
20	20:15-20:30	Shuai WANG	Inner Mongolia Agricultural University	Integration of remote sensing and machine learning for grassland aboveground biomass and grazing intensity estimation in Inner Mongolia
21	20:30-20:45	Meng LUO	Inner Mongolia Agricultural University	Global vegetation productivity has become less sensitive to drought in the first two decades of the 21st century
22	20:45-21:00	Xi LIN	Inner Mongolia Agricultural University	Multifunctionality and sustainable management of grasslands: effects of precipitation and grazing on grassland ecosystems and global responses
23	21:00-21:15	Xiaoja ZHANG	Inner Mongolia Agricultural University	Effects of grazing intensity on phylogenetic diversity of plant community in desert steppe
24	21:15-21:30	Fengmiao ZHAO	Inner Mongolia Agricultural University	Response and Adaptation of Gastrointestinal Microbiomes in Sheep to Different Grazing Intensities in a Desert Steppe

Postgraduate Session 2

Group 2 : Master candidate

Time: September 4th, 2024 (13:30-16:00)Room: Agate Hall, 4th floor, Grand New Century Hotel , Hohhot, China

Co-chairs: Haifeng SONG, Juanjuan FU, Musen WANG, Zaiwei WANG

No.	Time	Presenter	Affiliation	Title
1	13:30-13:40	Shuhe ZHANG	Jilin Agricultural University	Single cell transcriptome mapping and regulatory dynamics of alfalfa anther development
2	13:40-13:50	Zishan ZHANG	Zhengzhou University	Effects of <i>Artemisia argyi</i> on fermentation quality, microbial community and functional genes of whole crop corn silage
3	13:50-14:00	Chongyuan QIN	Northeast Forestry University	Exogenous spermidine enhanced the drought tolerance in the root of <i>Hordeum jubatum</i> by modulating root system architecture and anatomical structure
4	14:00-14:10	Haibo QI	Inner Mongolia Agricultural University	Studies on the effect of three varieties of hybrid forage soybeans used as green manure on the soil environment
5	14:10-14:20	Qian WU	Inner Mongolia Agricultural University	Effects of low temperature stress on osmoregulatory substances in three species of clover
6	14:20-14:30	Huicai CAI	Jilin Agricultural University	Combined transcriptomics and metabolomics analysis reveals the mechanism behind the pollen abortion in early stage among male sterile lines of alfalfa
7	14:30-14:40	Jia FU	Jilin Agricultural University	Dynamics of the accumulation and biological activities of active components in the aerial parts of comfrey (<i>Symphytum officinale</i> L.)
8	14:40-14:50	Longchao XU	Inner Mongolia Agricultural University	Study on the changes of nitrogen and phosphorus content in leaves of different types of grassland plant communities in Inner Mongolia
9	14:50-15:00	Zelong ZHANG	Gansu Agricultural University	Environmental and biological control mechanisms of shrubs promoting methane uptake in the soil of alpine meadow
10	15:00-15:10	Qingge ZHOU	Inner Mongolia Agricultural University	Distribution characteristics and influencing factors of soil microbial biomass nitrogen and phosphorus in two grassland types in Inner Mongolia
11	15:10-15:20	Haoran FU	Jilin Agricultural University	Effects of long-term in nitrogen application and mowing on plant phosphorus uptaking in Songnen Plain <i>Lymus chinensis</i> meadow
12	15:20-15:30	Mengtian CHEN	Xinjiang Agricultural University	Dynamic distribution of poisonous grass in Yili Valley grassland based on MaxEnt
13	15:30-15:40	Wenxiong LI	Xinjiang Agricultural University	Research on aboveground biomass inversion of desert grassland based on UAV remote sensing
14	15:40-15:50	Shangzheng haoni	Inner Mongolia Agricultural University	Natural Foraging Selection and Gut Microecology of Two Subterranean Rodents from the Eurasian Steppe in China
15	15:50-16:00	Na ZHU	Inner Mongolia Agricultural University	Effects of overgrazing on the functional diversity of rodents in desert areas

Opening Ceremony and Plenary Speech (Morning, September 5th, 2024)

(Kaiyuan Hall, 3rd floor, Grand New Century Hotel, Hohhot, China)

Time UTC+8	Activity		Chair
Opening Ceremony			
08:30-09:10	<ul style="list-style-type: none"> ● Opening Speech by Inner Mongolia Agricultural University President ● Speech by the President of Chinese Grassland Society ● Speech by the President of Japanese Society of Grassland Science ● Speech by the President of the Korean Society of Grassland and Forage Science 		Guodong HAN
09:10-09:30	Photo & Tea break		
Plenary Session			
09:30-10:00	Jinsheng HE (Lanzhou University, China)	Ecological conservation and restoration of alpine grasslands on the Tibetan Plateau	Yingjun ZHANG Mikinori TSUIKI
10:00-10:30	Yasuhiro AOKI (Tokyo University of Agriculture and Technology, Japan)	Application of smart agricultural technology in forage production in Japan	
10:30-11:00	Bok-Rye Lee (Chonnam National University, South Korea)	Sustainable forage production through the control of stress response and tolerance mechanisms	
11:00-11:30	Zengyu WANG (Qingdao Agricultural University, China)	Advances in Genetic Improvement of Forage and Turf	
11:30-12:00	Noriaki Nakajima (on line) (Tokyo University of Agriculture and Technology, Japan)	The effect of grazing on cattle health and characteristics	
12:00-14:00	Lunch		

Concurrent Session 1

Forage Germplasm Resources, Breeding and Seed Industry

(Afternoon, September 5th,2024)

(Crystal Hall, 4th floor,Grand New Century Hotel , Hohhot, China)

Time UTC+8	Presenter	Title	Chair
14:00-14:20	Jae hoon woo (National Institute of Animal Science, South Korea)	The breeding history and variety development of forage crops in South Korea	Yasuhiro AOKI Qingchuan YANG
14:20-14:40	Toshihiko Yamada (Hokkaido University, Japan)	Miscanthus for a sustainable biomass supply	
14:40-15:00	Cory Matthew (CPAST Lanzhou University and Massey University, New Zealand)	Thinking on grassland energetics and tactics of internal plant biomass allocation	
15:00-15:20	Junfeng WANG (Northeast Normal University,China)	Theory and practice of nitrogen management in artificial <i>Leymus chinensis</i> grassland	
15:20-15:40	Zhipeng LIU (Lanzhou University,China)	Screening and functional analysis of drought tolerance genes in Alfalfa	
15:40-16:00	Wenhua DU (Gansu Agricultural University,China)	Study progress and development opportunities of timothy at home and abroad	
16:00-16:20	Tea Break		
16:20-16:40	Fangyuan ZHAO (Gansu Agricultural University, China)	Breeding of Gannong series triticale and rye varieties and their applications in the development of forage-based livestock husbandry in China	Zhenfei GUO Zhipeng LIU
16:40-17:00	Haidong YAN (Sichuan Agricultural University,China)	Multi-omics mining of key candidate genes and molecular breeding in pearl millet	
17:00-17:20	Zhulong CHAN (Huazhong Agricultural University,China)	Responses of perennial ryegrass to cold and heat stresses	
17:20-17:40	Juanjuan FU (Northwest A&F University,China)	The crucial roles of CBL-CIPK network for abiotic stress tolerance in Tibetan wild <i>Campeiosstachys nutans</i>	
17:40-18:00	Jinghong WANG (Northeast Forestry University,China)	Resistance on <i>Hordeum jubatum</i> L.	
18:00-20:00	Dinner		

Concurrent Session 2

Forage Production, Processing and Protection

(Afternoon, September 5th, 2024)

(Agate Hall, 4th floor, Grand New Century Hotel, Hohhot, China)

Time UTC+8	Presenter	Title	Chair
14:00-14:20	Yimin CAI (Japan International Research Center for Agricultural Sciences, Japan)	Green low-carbon feed preparation and sustainable livestock production	Kejian LIN Sanghyun PARK
14:20-14:40	An YAN (Xinjiang Agricultural University, China)	Innovation and application of key technologies and equipment for efficient and sustainable production of alfalfa in arid areas	
14:40-15:00	Musen WANG (Hainan University, China)	Research on accumulation rules of the main biogenic amines during fermentation of stylo silage	
15:00-15:20	Boram Choi (the National Institute of Animal Science, South Korea)	The current status of forage supply and cultivation technology research in South Korea	
15:20-15:40	Yanfen LI (Seoul National University, South Korea)	Evaluation of Growth Performance, Blood Metabolites, Carcass and Meat Characteristics in Hanwoo Steers Fed Corn Silage as TMR	
15:40-16:00	Tea Break		Bo ZHANG Yimin CAI
16:00-16:20	Heping FU (Inner Mongolia Agricultural University, China)	Path analysis of grassland ecological protection in the new era	
16:20-16:40	Zaiwei WANG (Lanzhou University, China)	Do degraded grasslands provide a better habitat for plateau pika? —Testing the nutritional hypothesis	
16:40-17:00	Tingyu DUAN (Lanzhou University, China)	Arbuscular mycorrhizal fungi enhance plant defense responses against pathogens and pest insects	
17:00-17:20	Yukun KANG (Gansu Agricultural University, China)	Introgression drives adaptation to the plateau environment in a subterranean rodent	
17:20-17:40	Junhu SU (Gansu Agricultural University, China)	The outbreak mechanism and sustainable prevention and control of grassland rodent pests in the Qinghai Tibet Plateau	
17:40-20:00	Dinner		

Concurrent Session 3

Grassland Multi-functionality, Restoration and Utilization (Afternoon, September 5th, 2024)

(Qing Shan Hall, 3rd floor, Grand New Century Hotel, Hohhot, China)

Time UTC+8	Presenter	Title	Chair
14:00-14:20	Jushan LIU (Northeast Normal University, China)	Biodiversity effects on ecosystem functioning change along environmental stress gradients	Shikui DONG Heping FU
14:20-14:40	Baorong WANG (Northwest A&F University, China)	Microbial necromass in soil profiles increases less efficiently than root biomass in long-term fenced grassland: effects of microbial nitrogen limitation and soil depth	
14:40-15:00	Haiying CUI (Northeast Normal University, China)	Plant-soil interactions accelerate soil organic P mineralization under mown and N addition in a semi-natural grassland	
15:00-15:20	Minna ZHANG (Northeast Normal University, China)	Plant diversity-ecosystem multifunctionality relationships in grazed grassland	
15:20-15:40	Yujie SHI (Northeast Normal University, China)	Response of N ₂ O emission from grassland plants to nutrient addition	
15:40-16:00	Leilei DING (Guizhou Provincial Grassland Research Institute, China)	Regulatory mechanisms of soil microbial assembly on the multifunctionality of subtropical grassland systems under shrub encroachment	
16:00-16:10	Tea Break		
16:10-16:30	Wei SUN (Northeast Normal University, China)	Effects of global changes on meadow grassland structure and functions are regulated by livestock grazing	Wei SUN Haiyan REN
16:30-16:50	Jianlong LI (Nanjing University, China)	Progress on quantitative accounting of carbon source-sink in the World's major grassland types	
16:50-17:10	Guogang ZHANG (Tianjin Normal University, China)	Responses of soil nematode communities and functions to restoration of damaged ecosystems in desert steppe open-pit coal mines	
17:10-17:30	Jisheng LI (Northwest A&F University, China)	Grassland ecological compensation policy and herders' livelihood strategy choice	
17:30-17:50	Haiyan REN (Nanjing Agricultural University, China)	Effects of grazing on community production and stability in semiarid grasslands	
17:50-18:10	Hongxi DU (Hetao College, China)	The role of the Bactrian camel on desert vegetation restoration	
18:10-18:30	Xuechen YANG (Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences, China)	Global change affects microbial regulatory mechanisms of soil N turnover	
18:30-20:00	Dinner		

Concurrent Session 4. Turf establishment techniques and management
Concurrent Session 6. International Year of Rangelands and Pastoralists
(Morning, September 6th, 2024)

(Agate Hall, 4th floor, Grand New Century Hotel, Hohhot, China)

Time UTC+8	Presenter	Title	Chair
08:30-08:50	Fuchun XIE (Northeast Agricultural University, China)	<i>PpGSI.1</i> confers tolerance to low nitrogen in Kentucky bluegrass	Xiaoming BAI Zhongwu WANG
08:50-09:10	Hailin GUO (Jiangsu Institute of Botany, Chinese Academy of Sciences, China)	Genetic resource assessment, improvement and utilization of warm season turf grass conducted in NBC, China	
09:10-09:30	Yiwei JIANG (Beijing Forestry University, China)	Physiological and genetic mechanisms of salinity tolerance in perennial ryegrass	
09:30-09:50	Xiaoming BAI (Gansu Agricultural University, China)	Mechanisms and molecular basis for the regulation of tillering trait formation in <i>Poa pratensis</i> L.	
09:50-10:00	Tea Break		
10:00-10:20	Guodong HAN (Inner Mongolia Agricultural University, China)	Sustainable household ranchland management in northern China	Guodong HAN Toshihiko YAMADA
10:20-10:40	Min LIU (Lanzhou University, China)	Measuring greenhouse gas emissions from livestock production based on unmanned aerial vehicles	
10:40-11:00	Bao ZHANG (Inner Mongolia Agricultural University, China)	Measuring transaction costs of grassland eco-compensation policies: the case of the compensation and rewards policy for grassland protection in Inner Mongolia Autonomous Region	
11:00-11:20	Ping LI (Institute of Grassland Science, Chinese Academy of Agricultural Sciences, China)	Herder's willingness to inherit grassland animal husbandry production and its influencing factors	
11:20-11:40	Shuhao TAN (Renmin University of China, China)	Impacts of forage field establishment on grassland vegetation cover by herdsmen in the northern agricultural and pastoral ecotone	
11:40-12:00	Xiangyang HOU (Shanxi Agricultural University, China)	Evolution of grassland social-ecological systems on the Mongolian Plateau	
12:00-12:20	Guixia QIAN (Inner Mongolia University, China)	Common prosperity of grassland confirmation and contracting policies	
12:20-14:00	Lunch		

Concurrent Session 5

Smart grassland science and mechanization
(Morning, September 6th, 2024)(Crystal Hall, 4th floor, Grand New Century Hotel, Hohhot, China)

Time UTC+8	Presenter	Title	Chair
08:30-08:50	Ding HAN (Inner Mongolia University, China)	Exploratory research on artificial intelligence and other technologies applied in smart farming mode	Shiqie BAI Junfeng WANG
08:50-09:10	Lina ZHANG (Inner Mongolia Xiaocao Digital Ecological Industry Co., Ltd., China)	Digital empowerment for forest and grassland ecological protection and development	
09:10-09:30	Guanghui WANG (China Agricultural University, China)	Analysis of the advantages of smart reseeding in grassland restoration	
09:30-09:50	Shengwei ZHANG (Inner Mongolia Agricultural University, China)	Grassland monitoring using multi-source remote sensing and internet of things in Inner Mongolia	
09:50-10:00	Tea Break		
10:00-10:20	Dacheng WANG (Chinese Academy of Sciences, China)	Monitoring technology of grassland forage dynamics and livestock distribution based on Beidou precise positioning and high-resolution remote sensing technology	Kun WANG Chengjie WANG
10:20-10:40	Tianyi WANG (China Agricultural University, China)	Research on unmanned grassland inspection and investigation methods	
10:40-11:00	Changbin HE (Inner Mongolia Agricultural University, China)	Progress in mechanized improvement techniques and equipment for degraded grasslands	
11:00-11:20	Gu CHEN (BaiLu International Grass Industry (Beijing) Co., Ltd., China)	The MIG grazing technology for rangeland ecological restoration	
11:20-11:40	Suritu (Inner Mongolia Autonomous Region Forest and Grassland Survey and Planning Institute, China)	Monitoring and early warning of forage-livestock balance in Inner Mongolia grassland	
11:40-14:00	Lunch		

Plenary Speech and Closing Ceremony

(Afternoon, September 6th, 2024)

(Kaiyuan Hall, 3rd floor, Grand New Century Hotel, Hohhot, China)

Time UTC+8	Presenter	Title	Chair
Plenary Speech			
14:30-15:00	Lan YUN (Inner Mongolia Agricultural University, China)	Forage genetic breeding for cold and arid grassland areas in Inner Mongolia China	Bokrye LEE Yingzhong XIE
15:00-15:30	Sanghyun Park (Chonnam National University, South Korea)	Mitigation of ammonia emission in grassland	
15:30-16:00	Kensuke Kawamura (on line) (Obihiro University of Agriculture and Veterinary Medicine, Japan)	Remote sensing and AI for conservation and sustainable use of grassland ecosystems	
16:00-16:20	Tea Break		
Closing Ceremony			
16:20-17:00	<ul style="list-style-type: none"> ● Award for postgraduate student presentation and poster ● Representative Speech by The 9th Korea-China-Japan Grassland Conference Hosting Country ● Representative Speech by Chinese Grassland Society 		Zhenfei GUO
17:00-20:00	Dinner		

Plenary Speakers

No.	Name	Affiliation
1	Yasuhiro AOKI	Tokyo University of Agriculture and Technology, Japan
2	Kensuke KAWAMURA	Obihiro University of Agriculture and Veterinary Medicine, Japan
3	Noriaki NAKAJIMA	Tokyo University of Agriculture and Technology, Japan
4	Bok-Rye LEE	Chonnam National University, South Korea
5	Sanghyun PARK	Chonnam National University, South Korea
6	Jinsheng HE	Lanzhou University / Peking University, China
7	Zengyu WANG	Qingdao Agricultural University, China
8	Lan YUN	Inner Mongolia Agricultural University, China

Plenary Presenter Introduction

Yasuhiro AOKI, Tokyo University of Agriculture and Technology, Japan



Yasuhiro Aoki received his PhD in Agriculture from Tokyo University of Agriculture and Technology (TUAT) in 1991. After completing the doctoral course, he worked at National Institute of Livestock and Grassland Science of National Agriculture Research Organization (NARO), National Livestock Breeding Center, and Hokkaido Agricultural Research Center of NARO, and he works as a professor of TUAT since 2021. He is working on the development of technology of forage production and utilization, and ruminant physiology.

Kensuke KAWAMURA, Obihiro University of Agriculture and Veterinary Medicine, Japan

Dr. Kensuke KAWAMURA received his PhD from Gifu University in 2005. Since 2006, he has been working in New Zealand as a JSPS Post-doctoral researcher, where joined in researches related to precision farming of grazing lands. After working at Hiroshima University from 2008 and at JIRCAS from 2016, he is currently working at Obihiro University of Agriculture and Veterinary Medicine from 2022, where he works on grassland ecology using remote sensing and AI technologies.



Noriaki NAKAJIMA, Tokyo University of Agriculture and Technology, Japan

Noriaki Nakajima, worked as a developer at Sysmex Corporation from 2008 to 2016. He developed diagnostic equipment for animals and diagnostic reagents for humans.

Afterward, he obtained his PhD from Gifu University in 2019. He engaged in practical work as a community-reactivating cooperator in Niimi City after 2019.

He is working at Tokyo University of Agriculture and Technology from 2021, focusing primarily on researches on the health of grazing livestock and the utilization of abandoned farmland for livestock production.



Bok-Rye LEE, Chonnam National University, South Korea



Bok-Rye Lee is a Research Professor at the Institute of Environmentally-Friendly Agriculture, Chonnam National University, South Korea. She currently serves as the Editor-in-Chief of Korean Society of Grassland and Forage Science. Dr. Lee completed postdoctoral research at the John Innes Centre in the UK and Michigan State University in the USA. Her main research focus is on forage growth and production in response to climate change, particularly forage physiology including N/C/S metabolism, phytohormonal regulation, and redox signaling pathways. Additionally, she investigates practical methods to increase stress tolerance, such as the application of stress priming and chemical agents like H₂S, salicylic acid, and glutathione. Dr. Lee has established international research collaborations and has published more than 73 research papers in SCI journals. In recognition of her research expertise, she has been invited to serve on the editorial boards of several international scientific journals.



Sanghyun PARK is exploring methods to reduce ammonia, greenhouse gases, and nitrate leaching in livestock manure storage, processing, and application. Additionally, he is working on the methods to enhance nitrogen use efficiency of livestock manure and forage productivity for sustainable livestock and grassland

Jinsheng HE, Lanzhou University / Peking University, China

Dr. Jin-Sheng HE received a bachelor's degree from Lanzhou University in 1988 and a master's degree from the Institute of Botany, Chinese Academy of Sciences in 1991. After working at the Institute of Botany, he began his PhD studies and received his PhD in Ecology in 1998. He then went to Harvard University for a postdoctoral fellowship with Fakhri Bazzaz and joined Peking University in 2022. He has been the Director of the State Key Laboratory of Grassland Agroecosystems of Lanzhou University since 2018, and now he is the Director of the State Key Laboratory of Herbage Improvement and Grassland Agroecosystems.

His research focuses on the biodiversity and functioning of grassland ecosystems, particularly how global change is affecting alpine grassland ecosystems on the Tibetan Plateau. His recent research focuses on above and below-ground biodiversity and ecosystem functioning, links between soil organisms, herbivores, plants and ecosystem functioning, and close-to nature restoration of degraded grasslands. He has published over 250 articles in refereed journals and 200 articles internationally, including PNAS, Nature Communications and Ecology Letters. His papers have been cited about 25,000 times and have an H index of 81.



Zengyu WANG, Qingdao Agricultural University, China

Dr. Zengyu WANG is a Professor and Dean of the College of Grassland Science of Qingdao Agricultural University. He received his PhD from Beijing Agricultural University in 1990, and completed a five-year postdoctoral appointment at Swiss Federal Institute of Technology, Zurich, Switzerland, in 1995, and then moved to Australia and served as a research scientist for three years at Agriculture Victoria, Melbourne. Zeng-Yu joined the Noble Foundation in Oklahoma USA in 1998. He joined Qingdao Agricultural University in 2019. Prof. Wang is currently serving as editor of *Grassland Research* and *Journal of Integrative Plant Biology*.



Lan YUN, Inner Mongolia Agricultural University, China



Dr. Lan YUN is a professor in Inner Mongolia Agricultural University. She once worked as a postdoctoral fellow at the Forage and Range Research Lab of USDA. She engaged in perennial forage plant genetic and breeding research and varieties improvement. Mainly dedicated to the establishment of artificial grassland and the restoration of degraded grassland under the arid and cold natural conditions of the Inner Mongolia Grassland Region. She is the secretary-general and executive vice-chair of the Forage Breeding Committee of China Grass Society, and a member of the Forage Variety Validation Committee of Inner Mongolia. She registered 9 forage varieties, obtained 7 patents, issued 4 local standards, participated in the preparation of 8 monographs, and published about 90 relevant papers, more than 10 papers in SCI journals. She has won two scientific and technological achievement awards of Inner Mongolia and the honorary title of “Grassland Contributor