The Eighth China–Japan–Korea International Grassland Conference

The Eighth China-Japan-Korea International Grassland Conference was held in Hohhot City, Inner Mongolia Autonomous Region from September 4th- 6th, 2024. This conference was jointly sponsored by the Chinese Grassland Society, the Japanese Grassland Society and the Korean Society of Grassland and Forage Science. It is jointly organized by Inner Mongolia Agricultural University, M-GRASS Ecological Environment (Group) Co. Ltd. and Inner Mongolia Autonomous Region Society of Grassland Science. After review by the academic group of the conference, a total of 39 posters were displayed. Please see the attachment for details.

Chinese Grassland Society

September 10th, 2024

Attachment

No.	Name	Title
1-1	Liyu MOU (Zhengzhou University, China)	The impact of lactic acid bacteria from the Qinghai-Tibet Plateau on the quality of perennially low-temperature oat silage
1-2	Xiqiang LIU (Institute of Ecological Protection and Restoration, Chinese Academy of Forestry Sciences, China)	Discovery of vital genes involved in response and regulation of salt-alkali tolerance in 'Zhongmu No.3' alfalfa cultivar
1-3	Yuan SUO (Inner Mongolia Agricultural University, China)	Response of Caucasian clover to waterlogging stress at seedling stage
1-7	Lizhuang WU (Seoul National University, South Korea)	Development of a predictive model on rumen methane production under silage corn digestion using NIRS
1-8	Haibo QI (Inner Mongolia Agricultural University, China)	Effect of three varieties of hybrid forage soybeans used as green manure on the soil environment
1-9	Qian WU (Inner Mongolia Agricultural University, China)	Effects of low temperature stress on osmoregulatory substances in three species of clover
2-1	Yuhang HUANG (Zhengzhou University, China)	Screening of lactic acid bacteria and its improvement mechanism on silage fermentation quality of different alfalfa raw materials
2-2	Meng YU (Jilin University, China)	Variation factors of water-soluble carbohydrate content and sugar composition in forage amaranth
2-3	Yitong JIN (Jilin University, China)	The effects of lactobacillus plantarum and cellulase on mixed silages of amaranthus hypochondriacus and corn meal: fermentation characteristics and nutritional value
2-4	Ting MAO (Zhengzhou University, China)	Isolation and identification of lactic acid bacteria from *wheatgrass* in the Qinghai Tibet Plateau region and analysis of their antibacterial effects
2-5	Shuang WEN (Zhengzhou University, China)	The survival mechanism research of *Lactobacillus plantarum* QZW5 subjected to multigelation using a combination of biochemical, environmental scanning electron microscopy, and genomics approaches
2-6	Mengyan CAO (Sun Yat-sen University, China)	The communities of arbuscular mycorrhizal fungi established by different winter green manures in paddy fields promote post-cropping rice production

2-7	Yang YAN (Zhengzhou University, China)	Optimization and application study of fermentation process for rapeseed straw
2-8	Hailong WEI (Zhengzhou University, China)	Effects of different treatments on fermentation quality, chemical composition and greenhouse gas emissions from corn stover silage
2-9	Shangzhenghaoni (Inner Mongolia Agricultural University, China)	Geographic distance, diet, and season drive gut microbiome diversity of the north China Zokor (*Myospalax psilurus*) in the meadow grassland
2-10	Haiwen YAN (Inner Mongolia Agricultural University, China)	Host selection and influencing factors of parasitic fleas on the body surface of desert rodents
2-11	Haolong LI (Zhengzhou University, China)	Screening of a *Lactiplantibacillus plantarum* strain and its improvement mechanism on silage fermentation quality of alfalfa
2-14	NIIMI Mitsuhiro (University of Miyazaki, Japan)	Effect of cultivar and season on forage quality and silage fermentation quality of mixed-sowing of Rhodes grass and soybean in southern Kyushu, Japan
2-15	KIM JONG GEUN (Seoul National University, South Korea)	Evaluation of agronomic characteristics and nutritional value of different alfalfa varieties in the northern region of Korea
3-1	Zhuo PANG (Beijing Academy of Agriculture and Forestry Sciences, China)	Effects of potassium polyacrylate, straw biochar and humic acid on soil properties, nutrients and aboveground biomass of oat (*Avena sativa* L.)
3-2	Xinya WANG (Inner Mongolia Agricultural University, China)	Effects of different grazing intensities on soil microbial diversity in a desert grassland
3-3	Yao XIANG (Sun Yat-sen University, China)	Effects of winter cropping forage on soil aggregate characteristics in paddy field
3-4	Qi LI (Inner Mongolia Agricultural University, China)	Effects of warming and increased precipitation on root production and turnover of *Stipa breviflora* Community in desert steppe
3-5	Liyan YANG (Qinghai University, China)	Temporal variation in dietary choice of sympatric Plateau Pika (*Ochotona curzoniae*) and Plateau Zokor (*Myospalax baileyi*) in alpine meadows, Qinghai-Tibet Plateau, China Determined by stable isotope analysis
3-6	MIAN GUL HILAL (Institute of Grassland Research, Chinese Academy of Agricultural Sciences, China)	Soil microbial response to the rodents burrow density in a steppe grassland of Inner Mongolia
3-7	Tongtong DENG (Qinghai University, China)	Effects of different grazing intensities on species diversity and biomass of alpine meadows on the Qinghai-Tibet Plateau

3-8	Yuting JIN (Qinghai University, China)	Effects of long-term precipitation change and nitrogen addition on species diversity and productivity in the alpine steppe of the Tibetan Plateau
4-1	Cheng JIN (Sun Yat-sen University, China)	Arbuscular mycorrhizal fungi diversity in rhizosphere soil of *Zoysia japonica* 'Lanyin No.III' lawn
4-2	Menghao LI (Sun Yat-sen University, China)	Effects of mowing on carbohydrate content and AMF infection of Chinese Lawngrass (*Zoysia sinica Hance*)
6-1	QingQing (Tottori university, Japan)	Effects of dietary replacement of alfalfa hay with corn silage on nutrient utilization, methane emission and milk production by crossbred Hu sheep in China
7-1	Yanan WANG (Inner Mongolia University, China)	Evaluating the interplay between phyllosphere and soil microbes and their role in litter decomposition
7-2	Rui BAI (Southwest University for Nationalities, China)	Microbiome and response surface methodology analyses reveal *Acetobacter pasteurianus* as the core microorganism responsible for aerobic spoilage of corn silage (*Zea mays)* in hot and humid areas
7-3	Burenqiqige (Inner Mongolia Agricultural University, China)	Response of individual characteristics and trophic ecological niches of *Orientallactaga sibirica* to changes in environmental gradients
7-4	Pujia MENG (Inner Mongolia Agricultural University, China)	The dietary composition and grazing behavior of Mongolia sheep on grazing seasons at four stocking rates in desert steppe
7-6	Zishan YUE (Zhengzhou University, China)	Effects of *Artemisia argyi* on fermentation quality, microbial community and functional genes of whole crop corn silage
7-7	Zhuna (Inner Mongolia Agricultural University, China)	Effects of reclamation on functional diversity of rodent communities in Alxa desert
7-8	Yanming MA (Gansu Agricultural University, China)	Transcriptome-based sequencing reveals genes and metabolic pathways involved in the resistance of lodging in oats.
7-9	Panpan HUANG (Gansu Agricultural University, China)	Effects of exogenous nitric oxide on antioxidant metabolism of oat seed germination under drought stress
7-10	Yanan CAO (Gansu Agricultural University, China)	Genome-wide identification and phylogenetic analysis of WRKY transcription factors in Poaceae