

# **The Eighth China–Japan–Korea Grassland Conference**

## **Poster**

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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

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
1-4	Wenjuan WANG (Gansu Agricultural University, China)	Enriched endogenous free Spd and Spm in alfalfa ( <i>Medicago sativa</i> L.) under drought stress enhance drought tolerance by inhibiting H <sub>2</sub> O <sub>2</sub> production to increase antioxidant enzyme activity
1-5	Jingru CHEN (Gansu Agricultural University, China)	Metabolomics reveal root differential metabolites of different root-type alfalfa under drought stress
1-6	Yanyan LUO (Gansu Agricultural University, China)	Changes in anatomical structure, physiology and metabolomics of sainfoin leaves under drought stress
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
1-10	Syed Sadaqat SHAH (Northeast Normal University, China)	Comparative study of the effects of salinity on growth, gas exchange, N accumulation and stable isotope signatures of forage oat ( <i>Avena sativa</i> L.) genotypes
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 <i>wheatgrass</i> in the Qinghai Tibet Plateau region and analysis of their antibacterial effects

2-5	Shuang WEN (Zhengzhou University, China)	The survival mechanism research of <i>Lactobacillus plantarum</i> 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 ( <i>Myospalax psilurus</i> ) 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 <i>Lactiplantibacillus plantarum</i> strain and its improvement mechanism on silage fermentation quality of alfalfa
2-12	He WANG (Jilin Agricultural University, China)	The Effect of harvest time and silage fermentation on the quality of whole planet corn and silage feed in northeast China
2-13	Sangho Moon (Konkuk University, South Korean)	Assessment of climate vulnerability of Sorghum x Sudangras hybrid Due to climate change in central Korea
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 ( <i>Avena sativa</i> 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 <i>Stipa breviflora</i> Community in desert steppe

3-5	Liyan YANG (Qinghai University, China)	Temporal variation in dietary choice of sympatric Plateau Pika ( <i>Ochotona curzoniae</i> ) and Plateau Zokor ( <i>Myospalax baileyi</i> ) 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 <i>Zoysia japonica</i> '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 ( <i>Zoysia sinica</i> 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 <i>Acetobacter pasteurianus</i> as the core microorganism responsible for aerobic spoilage of corn silage ( <i>Zea mays</i> ) in hot and humid areas
7-3	Burenqiqige (Inner Mongolia Agricultural University, China)	Response of individual characteristics and trophic ecological niches of <i>Orientallactaga sibirica</i> 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
7-5	NAIBI·Abulaiti (Xinjiang Agricultural University, China)	The effect of adding walnut green skin to the diet on in vitro rumen fermentation and enzyme activity in sheep
7-6	Zishan YUE (Zhengzhou University, China)	Effects of <i>Artemisia argyi</i> 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