

Yuhao Zhu

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Birthday: July 29th, 1989 Karlsruhe Institute of Technology (KIT)
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Education

09/2015-present **Ph.D in Bio-Geo-Chemical Processes, KIT-IFU**
09/2013-07/2015 **M.S in Prataculture Science, China Agricultural University (CAU)**
09/2008-07/2012 **B.S in Agronomic Science, Shandong Agricultural University(SDAU)**

Specialized Courses

•Botany, General Microbiology B, Soil and Fertilizer Science, Plant Protection, Plant Physiology, Agro-ecology, Crop Cultivated Science, Inorganic and Analytical Chemistry 1, Agriculture Information Technology, Soil Microbial Ecology, Senior Ecology Theory and Research Methods, Grassland Resources, Pratacultural science research methods, Biochemistry B

Academic Experience

09/2015-present **Ph.D. Thesis Research, Bio-Geo-Chemical Processes Dept., KIT-IFU**
Thesis title: Greenhouse gas emissions [N₂O, CH₄] from different manure management systems of smallholder farms in Subsaharian Africa
03/2014-07/2015 **M.Sc. Thesis Research, Grassland Ecology Dept., China Agricultural University**
Thesis title: Effect of grazing intensities and reclamation on greenhouse gases emissions
05/2013-08/2013 **Research Assistant, the Guyuan site of the State Key Monitoring and Research Station of Grassland Ecosystem, Hebei Province, China**
Project: Responses of a perennial grassland to litter manipulation in Guyuan, Hebei Province, China
05/2011-01/2012 **B.Sc. Thesis Research, Agronomic Science Dept., Shandong Agricultural University**
Thesis title: Physiology and biochemistry bases of maize kernel weight increasement after pollination with high oil maize
05/2009-09/2009 **Research Assistant, State Key Laboratory of Crop Biology, Shandong Key Laboratory of Crop Biology, Agronomy College of Shandong Agricultural University**
Thesis title: Morphological and physiological characteristics of corn (*Zea mays* L.) roots from cultivars with different yield potentials

Publication

ZHU Yu-hao, MU Zhen, ZHANG Yan-yan et al. The study on the herbage intake of grazing sheep evaluated by difference method and fecal crude protein method (Accepted 16th Oct,2014)(*Acta Agrestia Sinica*)
ZHANG Yan-yan, MU Zhen, **ZHU Yu-hao** et al. Physiological Responses of *Apocynum venetum* L to the Stress of Drought and Heat (Accepted) (*Acta Agrestia Sinica*)

English Proficiency

2/2015 IELTS: 6.5 (L6.0, R8.5, W5.5, S5.5)

Research Skills

- Programming Languages: Visual Basic
 - Statistical Analysis Tools: SAS, SPSS
 - Ecological Instruments: Apparatus for Photosynthesis (LI-6400XT), Automated soil CO₂ Flux System (LI-8100), Greenhouse Gas Analyzer (LGR9080010), Gas Chromatography (Agilent GC7890A)
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Conferences

- 04/2013 Forum on Frontiers of Science & Technology—Ecology Rebuilding & Ecology Restoration
- 08/2014 The 5th China-Japan-Korea Grassland Conference
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Teaching and Working Experience

- Summer 2014: Postgraduate, Hebei Province, China
 Led undergraduates to finish the fraction of Summer Intern—Rangeland Resource Survey
- Autumn 2011: Senior, Shandong Province, China
 Assisted in showing the undergraduates the process of data collecting about some morphological and physiological characteristics of maize
- 02/2012-03/2012: Technical extension, Origin Agritech Limited, Beijing
 Introduced some useful field management and solved farmers' problems about maize cultivation
- 07/2010-08/2010: Intern, Shandong Denghai Seeds Corporation
 Conducted some field management about different fertilization treatments
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