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Education

- ♦ PhD (2014-present) Department of Ecology, Inner Mongolia University
- ♦ MS (2014) Department of Ecology, Inner Mongolia University
- ♦ BA (2011) Department of Landscape Architecture, Inner Mongolia University for Nationalities

Field Work & Professional Experience

- ♦ Grasslands of the Northeast (phenology observation, vegetation investigation, and carbon cycle monitoring, >2 months)
- ♦ Desert Shrub Ecosystems of the Northwest (carbon cycle monitoring across two growing seasons, 2012-2013, >3 months)
- ♦ The Typical Steppe of Inner Mongolia (carbon cycle monitoring, 5 months/year, 2012-present)
- ♦ Alpine Meadows of the Tibetan Plateau (Nagqu/Lhasa/Ali) (<1 month, 2013)
- ♦ Grasslands and Deserts of Central and Western Mongolia (<1 month, 2014)

Research Grants & Contracts

- ♦ **Plant Adaptation in Desert Environments.** 2014-2016. Graduate Innovation Project on the advantage of plant characteristics in the Inner Mongolia Autonomous Region, ¥30,000, (Principal Investigator)
- ♦ **Technology Development and Application for Adapting to Climate Change in Northern China.** 2013-2016. National Key Technology R&D Research Program on the development and demonstration of grazing technologies based on climatic fluctuations and productivity in grasslands (in charge of typical steppe regions in Xilin Gol)

- ♦ **The Primary Process of Carbon Cycling and Mechanisms of Carbon Sinks in Typical Ecosystems, China.** 2011-2014. National Key Basic Research Program (973) on Nitrogen addition and fertilization, Net Primary Productivity, soil respiration, and net ecosystem CO₂ exchange (in charge of typical steppe regions in Xilin Gol)
- ♦ **Ecosystem Carbon Sequestration Rate, Mechanisms and Potential.** 2011-2014. Chinese Academy of Science project on carbon pools of vegetation and soil in the Western-Alxa Desert of Inner Mongolia (Participant)
- ♦ **Characteristics and Mechanisms of Carbon Pools in Degraded Grasslands of Inner Mongolia.** 2011-2014. National Natural Science Foundation of China (MS thesis funding support)
- ♦ **Carbon Cycle of Different Community Utilization in Typical Steppe of Inner Mongolia Grasslands.** 2011-2014. (MS thesis)

Book Chapters

- ♦ LIANG CZ, WANG YL, JIA CZ, **LIANG MW**, LIU XP. (2012). Vegetation Map of Helan Mountain (1:250,000). The Vegetation of Helan Mountain, Sunlight Press, Yin Chuan

Awards

- ♦ Inner Mongolia Autonomous Region Scholarship, 2015.12
- ♦ Yang Hanxi Career Enhancement Award, 6th Int'l Young Ecologists Forum, 2015.06
- ♦ Best Poster Award, 5th China-Japan-Korea Grassland Conference, 2014.08
- ♦ Inner Mongolia Autonomous Region Scholarship, 2014.12
- ♦ Academic Excellence Scholarship, 2014.12

Peer-reviewed Publications

1. **LIANG MW**, BAI X, LIANG CZ, et al. (2016). CO₂ Fluxes of Succulent More Stable Than Non-succulent in Shrubland Desert Ecosystem. The Rangeland Journal (submitted, English)
2. **LIANG MW**, BAI X, LIANG CZ, et al. (2016). Effects of Annual Plants Functional Group on Biomass and Soil Respiration in Typical Steppe. Pratacultural Science. (accepted, Chinese)
3. MIAO BL, LIANG CZ, **LIANG MW**, et al. (2016). Responses of phenology to climate change over the major grassland types. Acta Ecologica Sinica. (accepted, Chinese)
4. **LIANG MW**, BAI X, LIANG CZ, et al. (2016). The Studies of Grazing Utilization Effect on the Carbon Cycle in Inner Mongolia Typical Steppe. Journal of Inner Mongolia University (Natural Science Edition) 47(03): 278-284 (in Chinese)
5. CHAI X, LIANG CZ, **LIANG MW**, et al. (2014). Seasonal Dynamics of Belowground Biomass and Productivity and Potential of Carbon Sequestration in Meadow Steppe and Typical Steppe in Mongolia, China. Acta Ecologica Sinica 34(19): 5530-5540 (in Chinese)

Presentations at Meetings

- ♦ **MIAO BL LIANG MW, LIANG CZ, et al. (2015).** Spatial-temporal Pattern of Vegetation Productivity and its Response to Drought from 1982 to 2011 in Inner Mongolia. Conference on Grassland Resources and Grassland Ecology of Chinese Grassland Society and The Fifth Graduate Forum for Grassland Science. Chongqing, China. November 11-15, 2015. (Oral)
- ♦ **LIANG MW, BAI X, LIANG CZ, et al. (2015).** CO₂ Flux Characteristics and Dynamics of Different Species in the Desert Shrub Ecosystems of Alxa. The 8th International Symposium on Modern Ecology (ISOME-VIII) & The 6th International Young Ecologists Forum (IYEF-VI). Tianjin, China. June 11-14, 2015. (Oral)
- ♦ The Third International Forum on Landscape Sustainability Science. Beijing, China. June 08-10, 2015. (Attended)
- ♦ **LIANG MW, BAI X, LIANG CZ, et al. (2015).** CO₂ Flux Characteristics and Dynamics of Different Species in the Desert Shrub Ecosystems of Alxa. The Second Graduate Forum on Global Change in China & Tsinghua University 418 Doctoral Academic Forum. Beijing, China. June 06-07, 2015. (Oral)
- ♦ The 5th China-Japan-Korea Grassland Conference. Changchun, China. August. 20-24, 2014. (Poster)
- ♦ The 9th National Membership Conference & 2013 Annual Conference of Chinese Ecological Society. Nanchang, China. October 19-21, 2013. (Attended)
- ♦ The 7th International Symposium on Modern Ecology (ISOME-VII) & The 4th International Young Ecologists Forum. Guangzhou, China. June 09-16, 2013. (IYEF-IV) (Attended)