

Yangbo He



Personal information

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Name: Yangbo He Title: Associate professor Gender: Female
College of Resources and Environment, Huazhong Agricultural University, Wuhan, Hubei province, China

Education

Ph.D. of Soil Science <i>North Dakota State University, Fargo, ND, USA</i>	December, 2014
Master of Soil science <i>North Dakota State University, Fargo, ND, USA</i>	August, 2011
Bachelor <i>Northeast Agricultural University, Harbin, China</i>	June, 2008

Research Experience

Dr. He Yangbo is an Associate Professor and Master's Supervisor specializing in farmland soil structure monitoring after conservation practices, such as cover crops, carboxymethyl cellulose, and their subsequent improvement on soil quality, especially improvement for drought relief. She has led research projects funded by the National Natural Science Foundation of China and Hubei Province, among others. She has published over 30 papers in leading journals like *Geoderma* and *Soil and Tillage Research*, and serves as an associate editor for *Agronomy Journal* and *Agricultural & Environmental Letters*.

Referred projects

National Natural Science Foundation China: Seasonal Variations and Driving Mechanisms of Clayey Red Soil Aggregate Stability, 2017/01-2019/12, Principal Investigator.
Independent Scientific and Technological Innovation Project of Huazhong Agricultural University: Mechanism of the Impact of Inorganic Soil Amendments on Available Water and Water Movement in Red Soil, 2015/05-2017/12, Principal Investigator.
Hubei Provincial General Natural Science Foundation: Mechanism of the Impact of Long-term Organic Fertilizer Application on Red Soil Moisture Dynamics and Carbon Sequestration in Pores, 2019/09-2021/09, Principal Investigator.
National Key R&D Program: Wind-Water Erosion Process, Coupling Mechanism, and Control Principles in Black Soil—Hydraulic Erosion-Dominated Composite Erosion Process and Its Impact on Farmland Quality, 2021/12-2024/12, Key Member.
South China Botanical Garden, Chinese Academy of Sciences: Coral Sand Soil Formation Mechanisms and Control Technologies, 2023/1-2025/5, Key Member.

Teaching Experience

Environmental Soil Science
Soil degradation, conservation, and remediation

Supervised international students

Waqar Ali, PhD graduated
Usama Khan, currently enrolled
Usman Ghani, currently enrolled