

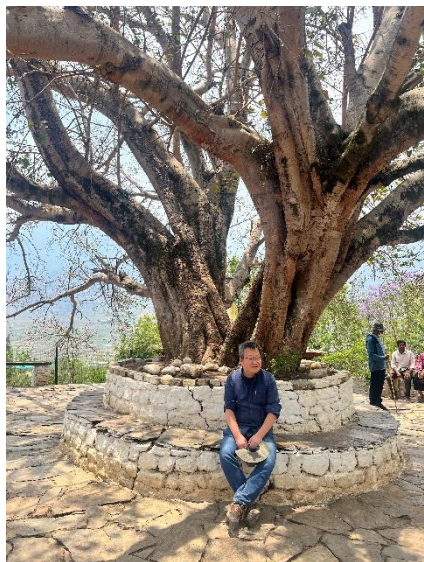
SCIENTIFIC SEMINARS

Monday 13 May 2024, 10:00-11:30
Aula Marchetti (U1)

Prof. Xuyang Lu

Time: 10:00 -10:30

Title: Effect of litter and soil organic matter chemistry on soil C, N dynamics of alpine grassland ecosystem



Xuyang Lu is a Professor at the Institute of Mountain Hazards and Environment, Chinese Academy of Science, China. His major research interests focus on the Biogeochemical cycle and its microbial mechanism in mountain ecosystems. Including (1) litter and soil organic matter chemistry on soil N transformation and its microbial function molecular ecological networks by comparing China (Tibetan Plateau) and U.S. (Rocky Mountains) alpine grassland ecosystems. (2) microbial ecology and organic matter chemistry of mountain glacier ecosystems. He has published over 70 papers in refereed journals, such as *Soil Biology and Biochemistry*, *Geoderma*, *Catena*, *plant and soil*, *Microbiological*

Research et.al., which are cited over 1783 times in the scientific literature (Research Gates). He is currently an Editor of *Scientific Reports*, *Journal of Plant Ecology*, *Journal of Mountain Science*, *Pratacultural Science* (Chinese journal), and *Acta Agrestia Sinica* (Chinese journal).

Dr. Chen Liu

Time: 10:30 -11:00

Title: Antibiotics migration in surface runoff and leachate from a sloping Entisol of chicken-raising orchard: A response to rainfall processes



Chen Liu is an Associate professor in the Institute of Mountain Hazards and Environment, Chinese Academy of Science, China. She is primarily engaged in research concerning the mechanisms of migration and transformation of emerging organic pollutants in soil and the development of pollution control technologies. She is the Youth Innovation Promotion Association of the Chinese Academy of Sciences and has published many papers in refereed journals, such as *Water Research*, *Environmental Sciences & Pollution Research*, *Science of the Total Environment*, *Chemosphere*, *Land Degradation & Development* et.al., which has provided scientific insights and technical methods for understanding and controlling agricultural organic pollution processes in the southwest purple soil region of China.

Dr. Zhuo Guan

Time: 11:00-11:30

Title: Behaviors of microplastics at the soil-water interface



Zhuo Guan is an Associate professor in the Institute of Mountain Hazards and Environment, Chinese Academy of Science, China. She holds a Ph.D. in 2017 from The University of Tokyo, Japan. She is interested in the environmental behavior of organic pollutants (e.g., microplastics, pesticides, oils), especially the mechanisms of migration of organic pollutants on soil and water interface. Her recent works focus on the interactions between soil colloids and typical nano-microplastics, the potential impact of aged microplastics on rhizosphere bacterial community in different soil, and the characteristics of microplastics in surface water and sediment in the Tibetan Plateau. She has published related

papers in refereed journals, such as the *Journal of Environmental Sciences*, *Science of the Total Environment*, *Journal of Environmental Research and Public Health* et.al.