INSTITUTE OF AGRICULTURAL RESOURCES AND REGIONAL PLANNING , CAAS

Yan Yuchun

Professor

Ph.D Supervisor

86-10-82106236

yanyuchun@caas.ac.cn

Innovation Team of Grassland Ecological Remote Sensing,IARRP,CAAS

Quhua Building,12 Zhongguancun Nandajie Street, Haidian District,Beijing,China

Research Interests

- **Grassland ecology**
- **Grassland degradation and restoration mechanism**
- **The process and mechanism wind driven material resources transpotation**
- **Wind erosion in arid and semiarid ecosystem**

Publication

Effects of cultivation and agricultural abandonment on soil carbon, nitrogen and phosphorus in a meadow steppe in eastern Inner Mongolia, Agriculture Ecosystems & Environment,2021, DOI:10.1016/j.agee.2020.107284

The fertile island effect collapses under extreme overgrazing: evidence from a shrub-encroached grassland, Plant and Soil,2020, DOI:10.1007/s11104-020-04426-2

Grazing affects snow accumulation and subsequent spring soil water by removing vegetation in a temperate grassland, Science of the Total Environment, 2019, DOI: 10.1016/j.scitotenv.2019.134189

Shrub patches capture tumble plants: potential evidence for a self-reinforcing pattern in a semiarid shrub encroached grassland,Plant and Soil, 2019, DOI:10.1007/s11104-019-04189-5

Grazing modulates soil temperature and moisture in a Eurasian steppe,Agricultural & Forest Meteorology,2018,DOI: 10.1016/j.agrformet.2018.07.011

Influence of wind erosion on dry aggregate size distribution and nutrients in three steppe soils in northern china,Catena,2018, DOI:10.1016/j.catena.2018.06.013

Vegetation patches increase wind-blown litter accumulation in a semi-arid steppe of northern China,Environmental research letters,2016, DOI:10.1088/1748-9326/11/12/124008

How rain-formed soil crust affects wind erosion in a semiarid steppe in northern China,Geoderma,2015, DOI:10.1016/j.geoderma.2015.03.011

Quantitative effects of wind erosion on the soil texture and soil nutrients under different vegetation coverage in a semiarid steppe of northern China, Plant and Soil,2013, DOI:10.1007/s11104-013-1606-3

Effect of vegetation coverage on aeolian dust accumulation in a semiarid steppe of Northern China,Catena,2011, DOI:10.1016/j.catena.2011.07.002

The mechanism and regulation of typical steppe degradation driven by wind erosion, Beijing/The Science Publishing Company,2017, ISBN:9787030555410