



Ying Fan

Ph.D Candidates

My research direction includes ecological remote sensing, vegetation phenology under climate change, mechanism of shrub invasion, shrub patch configuration and vegetation water source with isotope tracer in arid and semi-arid region of China.



Profile

Institution

Beijing Normal University

Date of Birth

January, 03, 1991

Social services

- 1) Member of American Geophysical Union (AGU)
- 2) Member of the Geographical Society of China.
- 3) Reviewer of Journal of Desert Research

Foreign Language

English
CET4 600, CET6 516
PETS5 68

Skill

I'm skilled in field experiment, familiar with many devices, data analysis method and software.

Devices:

Soil: ECH2O, MS2000,
Vegetation: Li 6400
Isotope: LGR-DLT-100,
LGR-CCTA-38EP, LI-2100 *et al.*

Software:

Arcgis, ENVI, SPSS,
AMOS, Canoco, Fragstats,
Surfer, Office, Corel Draw,
Iso source *et al.*

Email

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Education

Major: Natural Resources

Direction: **Hydropedology & Ecohydrology** doctor 2013-2018
Faculty of Geographical Science, Beijing Normal University

Major: **Resource Science and Technology** bachelor 2009-2013
College of Resources Science & Technology, Beijing Normal University



Experience

International Communication:

A joint PhD. Student in University of California, Berkeley	2017-2018
Organizer of the 3rd International Conference on Hydropedology	2016
AGU fall meeting & acquire student grant scholarship	2016
Exchange student in Yokohama University, Japan	2013

Field Experiment:

Inner Mongolia Plateau, China	2015- present
Qinghai Lake of Tibetan Plateau, China	2013

Scientific Research Project:

Program for Changjiang Scholars and Innovative Research Team in University of Ministry of Education of China: Soil hydrology and soil erosion	2015-present
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National Science Foundation for Distinguished Young Scholars:

Soil hydrological processes and vegetation response in semi arid area	2014
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The Key Program of National Natural Science Foundation of China:

Ecological hydrological process and water budget of Qinghai Lake Basin	2013
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National Undergraduate Training Program for Innovation and Entrepreneurship:

Inquiry of automatic water saving watering device and its marketing mode	2013
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Published Articles:

- [1]Fan Y., Li X.Y., Wu X.C., Li L., Li W., Huang Y.M.(2016) Divergent responses of vegetation aboveground net primary productivity to rainfall pulses in the Inner Mongolian Plateau, China. *Journal of Arid Environments*, 129:1-8.
- [2]Jin J.J., Wang W.Y., Fan Y., Wang X.M.(2016) Measuring the willingness to pay for drinking water quality improvements: results of a contingent valuation survey in Songzi, China. *Journal of Water & Health*, 14(3): 504-512.
- [3] Fan Y., Li X.Y., Huang Y.M., Li L., Zhang J.H., Jiang Z.Y. Shrub patch configuration in relation to precipitation and soil properties in Northwest China. DOI:10.1002/eco.1916
- [4] Fan Y., Li X.Y., Li L., Wei J.Q., Liu L. The impacts of harvesting on soil moisture in the shrub encroached grassland of Inner Mongolia Plateau. (in writing)
- [5]Fan Y., Li X.Y., Li G.Y.(2014) Spatio-temporal vegetation variation in the western Inner Mongolia Plateau based on MODIS/EVI. *Journal of Desert Research*, 34(6):1671-1677.(in Chinese)
- [6]Fan Y., Li X.Y., Li G.Y.(2014) Vegetation characteristics of shrub phenology in grassland of Inner Mongolia based on MODIS. *Journal of Arid Meteorology*, 32(6):902-908.(in Chinese)
- [7]Fan Y., Wu D., Zhang B.Q., Tian Y.H.(2014) Hot topic of natural and cultural tourism in Beijing: A review. *Journal of Beijing Normal University (Natural Science)*, 50(2):183-188.(in Chinese)
- [8]Sun C.Z., Fan Y, Jiang Z.Y.(2012) Water saving potential for family pot plants. *Journal of Beijing Normal University (Natural Science)*, 48(3):298-301.(in Chinese)



Award

Outstanding Young Scientist Poster Award of 3rd HP conference (No.1), Doctoral second-class scholarship, student grant scholarship of AGU (2016)
 Doctoral second-class scholarship, excellent student cadre, outstanding student (2015)
 Doctoral first-class scholarship, excellent student cadre, outstanding student(2014)
 Excellent student cadre, Excellent scientific research project of BNU (2013)