ZHIMIN YANG

Email: yangzm@mail.bnu.edu.cn
Birthdate: 05/18/1999 Phone: +86 18813185182
School of Environment, Beijing Normal University
Address: No.19, Xinjiekouwai St, Haidian District, Beijing, 100875, P.R.China

PROFESSIONAL SUMMARY

Research Interest

Terrestrial carbon cycle, Ecosystem ecology, Plant eco-physiology, Soil carbon sequestration, Climate change

Professional Competence

ArcGIS, R, SPSS, Matlab, Remote sensing, Origin, Hydrologic models, Lab analysis, Field investigation

Hobbies

Running, Literature, Traveling and hiking, Photograph

EDUCATION & ACADEMIC PERFORMANCE

Bachelor of Geographical Science Hunan Normal University, Changsha, China

GPA: 4.23/5.00 **Rank: 1/84** September 2017 – June 2021

Course-related:

Soil Geography: A+, Meteorology and climatology: Grade A+, , Phytogeography: A, Economic geography: A, Geology and Geomorphology: A+, University Computer Foundation: A

Master of Environmental Science and Hydrology Beijing Normal University, Beijing, China

GPA: 3.80/4.00 **Rank: 1/96** September 2021 – June 2024

Course-related:

Water Quality Model and Simulation: Grade A+

Application and Development of Spatial Analysis Technology in Environment: A+

Science of Hydrology and Water Resource: A

Comparison of environmental issues between America and China: A+

JOURNAL ARTICLES

Yang, Z., Li, C., Liu, Y., Duan, J., Zhang, L., Li, Z., Zhou, X., Li, Q., Ma, Y., Tian, L., 2023. Roles of the stolon and erect grass species in surface–subsurface flow generation and red soil loss. Journal of Hydrology, 617, 128827. DOI:10.1016/j.jhydrol.2022.128827.

Yang, Z., Li, C., Chen, H., Shan, X., Chen, J., Zhang, J., Liu, S., Liu, Q., Wang, X., 2023. Source-oriented ecological and resistome risks associated with geochemical enrichment of heavy metals in river sediments. Chemosphere, 336, 139119. DOI:10.1016/j.chemosphere.2023.139119.

Yang, Z., Bu, J., Li, Z., Li, C., Yi, Y., Wang, X., Liu, Q., 2023 A novel index-based method associated with aquatic ecosystem for evaluating river longitudinal connectivity: A case study for cascade dams in the Yalong River, China. Ecological Indicators, 154, 110903. DOI:10.1016/j.ecolind.2023.110903.

Yang, Z., Yan, X., Tian, Y., Pu, Z., Wang, Y., Li, C., Yi, Y., Wang, X., Liu, Q., 2023. Risk Assessment of Sudden Water Pollution Accidents Associated with Dangerous Goods Transportation on the Cross-Tributary Bridges of Baiyangdian Lake. Water, 15(16), 2993. DOI:10.3390/w15162993.

Yang, Z., Han, L., Liu, Q., Li, C., Pan, Z., Xu, K., 2022. Spatial and temporal changes in wetland in Dongting Lake Basin of China under long time series from 1990 to 2020. Sustainability, 14(6), 3620. DOI:10.3390/su14063620.

Yang, Z., Li, X., Li, C., Wang, J., Pu, Z., Wang, Y., Pi, C., Yi, Y., Wang, X., Liu, Q., 2024. An integrated framework for water assimilative capacity allocation based on environmental fairness-efficiency tradeoffs with a modified optimization model in a river basin. Journal of Hydrology. (revise)

Yang, Z., Liu, S., Liu, L., Liu, Z., Li, C., Yi, Y. 2024. A review of the global water resources under climate and land use changes in the past thirty years of research. (in process)

Yang, Z., Liu, S., Li, C., Yi, Y. 2024. Spatial heterogeneity and mechanisms of dissolved organic carbon in river-reservoir systems. (in process)

RESEARCH EXPERIENCES

The Open Fund of State Key Laboratory of Remote Sensing Science Project (12800-310430011), Leader, 2022.05–2023.12.

First Conference on World Geography, Oral Presentation on "A review of research progress on water resources under global climate change and land use change", November 2022.

The 6th River and Lake Ecological Forum, Oral Presentation on " Evaluation and source apportionment of heavy metal pollution in plain river sediments", May 2022.

Summer School Course: Frontiers of Geography–Carbon Neutrality and Climate Change, Peking University, 2023.

Summer School Course: Theory and Methods of Land Surface Remote Sensing Inversion, Beijing Normal University, 2022.

Provincial Innovation and Entrepreneurship Project for College Students: The spatiotemporal change characteristics and driving mechanisms of wetlands in the Dongting Lake Basin, 2020.

SELECTED HONORS AND AWARDS

Chinese Baosteel Scholarship, Individual, 2023. (The only master in Beijing Normal University for rewarding students due to the well-rounded development in Morality, Intelligence, Physicality, Artistry, Labor).

National Scholarship, Individual, 2023.

First grade scholarship, Beijing Normal University, Individual, 2023, 2022.

Excellent Graduate Award, Hunan Province, China, Individual, 2021.

Outstanding Graduation Thesis Award, Hunan Province, China, Individual, 2021.

The 5th China Universities Geography Science Exhibition Competition, Bronze Award, South China, Leader, 2021.

National Top 100 College Student Summer Practice Team Award, Associate director, 2018.

Three consecutive years first grade scholarship, Hunan Normal University, Individual, 2019, 2018, 2017.