Curriculum Vitae

Personal Information

Name: Yuan-yuan Li

Sex: Female

Date of Birth: November 4, 1995

Major: Land resource management

University: China University of Mining and Technology (CUMT)

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Education

Sep., 2021～present   Ph.D., Land resource management, CUMT

Sep., 2018～Aug., 2021   M.S., Land resource management, CUMT

Sep., 2014～Jun., 2018   B.S., Land resource management, AHNU

Research Experiences

Accomplished Programs:

Investigation on Land Degradation Factors of Important Mining Areas in Western China

(National Science and Technology Basic Work Project, No.2014FY110800)

Key Technologies for Landscape Ecological Restoration of Large Coal Power Bases

(National Key R&D Program, No.2016YFC0501107)

Ongoing Programs:

Mechanism of Ecological Environment Damage Caused by Coal Mining (National Natural Science Foundation of China major project, No.52394193)

Impact of Ecological Restoration on Microclimate Change in Shendong Mining Area and Its Benefit Evaluation (Science and Technology Innovation Project of Shendong Coal Branch of China Shenhua Energy Co., Ltd, No.20201602)

Study on Standard Evaluation and Integrated Technology Application of Ecological Governance in Shendong Mining Area (Science and Technology Innovation Project of Shendong Coal Branch of China Shenhua Energy Co., Ltd, No.202016000036)

Research Areas

✧ Ecological restoration of mining areas

✧ Disturbance and evolution of vegetation in mining areas

✧ Spatial heterogeneity law of microclimate in ecological restoration area of mining area

Papers

[1] **Li Y**, Wang C, Lei S, et al. The effect of restored vegetation structure on air temperature and relative humidity in semiarid area[J]. Remote sensing letter, 2023. *(In process)*

[2] **Li Y**, Wang C, Lei S, et al. Detection and impact analysis of land surface temperature abrupt change in Shendong mining area based on BFAST algorithm[J]. Journal of Henan Polytechnic University(Natural Science), 2021,40(6):92-100. DIO: 10.16186/j.cnki.1673-9787.2020040016 (In Chinese)

[3] **Li Y**, Wang C, Lei S, et al. Horizontal and vertical distribution characteristics of temperature and humidity of different vegetation restoration types in semi-arid mining areas[J]. Journal of Henan Polytechnic University(Natural Science), 2022,41(06):101-109. DIO: 10.16186/j.cnki.1673-9787.2020120022 (In Chinese)

[4] Xia J, Li G, **Li Y**, et al. Landform reshaping optimization of inner dump based on hydrological fusion in the grassland open-pit coal mine[J]. Journal of China Coal Society, 2022:1-14. DIO: 10.13225/j.cnki.jccs.2022.0592 (In Chinese)

[5] Zhao Y, Tian Y, Lei S, Li Y, Hua X, Guo D, Ji C. A Comprehensive Correction Method for Radiation Distortion of Multi-Strip Airborne Hyperspectral Images. Remote Sensing. 2023; 15(7):1828.   DOI:10.3390/rs15071828

[6] Zhao Y, Lei S, Zhu G, Shi Y, Wang C, Li Y, Su Z, Wang W. An Algorithm to Retrieve Precipitable Water Vapor from Sentinel-2 Data. Remote Sensing. 2023; 15(5):1201.   DOI:10.3390/rs15051201

[7] Wang C, Elmore A J, Numata I, et al. A Framework for Improving Wall-to-Wall Canopy Height Mapping by Integrating GEDI LiDAR[J]. Remote Sensing, 2022,14(15):3618. DOI:10.3390/rs14153618.

[8] Wang C, Elmore A J, Numata I, et al. Factors affecting relative height and ground elevation estimations of GEDI among forest types across the conterminous USA[J]. GIScience and remote sensing, 2022,59(1):975-999. DOI:10.1080/15481603.2022.2085354.