

Session A5 Digital Watersheds for Sustainable Development

Time: 13:30-17:00, 7th September

Room: 305C

Co-Chairs

XIA Jun, Wuhan University, China

CHEN Xi, Zhejiang University of Technology, China

Aquatic biodiversity loss and management in the Yangtze River Basin

WANG Haijun (Yunnan Key Laboratory of Ecological Protection and Resource Utilization of River-lake Networks, Institute for Ecological Research and Pollution Control of Plateau Lakes, Yunnan University, China)

A High-Spatial-Accuracy Global River Dataset via Multi-Source Vector Data Fusion

LIU Yesen (China Institute of Water Resources and HydroPower Research, China)

Parameter optimization method for cross basin hydrological land surface model driven by large sample simulator

TANG Guoqiang (Wuhan University, China)

Unravelling and Improving the Potential of Global Discharge Reanalysis Dataset in Streamflow Estimation in Ungauged Basins

ZHOU Li (Sichuan University, China)

Mapping of Potential Storages and Rainwater Harvesting Sites in Arid Region of Indus Basin using Analytical Hierarchy Technique

Muhammad Amin (Institute of Geo-information & Earth Observation, PMAS Arid Agriculture University Rawalpindi, Pakistan)

Glacial Lake Outburst Flood Mapping and Risk Assessment using Combined Approaches of Satellite Remote Sensing, GIS and Dam Break Modelling

Tabraiz Ahmad (Institute of Geo-information and Earth Observation, PMAS Arid Agriculture University Rawalpindi, Pakistan)

A bibliometric analysis of water pollution with nutrients and water quality

Shobegim Shoergashova (Xinjiang Institute of Ecology and Geography, CAS, China)

Multi-Scenario Flood Susceptibility Projections in the Eastern Hindu Kush: Integrating Machine Learning, CMIP6, and Land Use Change

kashif Ullah (Zhejiang University of Technology, China)

Hydrological implications of pervasive permafrost thaw across the Tibetan Plateau

WANG Taihua (Tsinghua University, China)

Revealing the long-term catchment-scale carbon budget dynamics on the permafrost-dominated eastern Tibetan Plateau

LI Leifang (Tsinghua University, China)

Sustainable Development of River Network Connectivity and Function Integrating the River Ecological Sensitivity Index

WU Fan (Zhengzhou University, China)

**Large Spatial Scale and High Temporal Resolution Snow Parameter
Retrieval from Sentinel-3 OLCI**

LU Keru (Zhejiang University of Technology, China)
