Session E5   Ecosystem and energy

Time: 10:10-12:14, 8th September   Room: 310

Co-Chairs	Jia Mingming, Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences
	LI Wang, Aerospace Information Research Institute, Chinese Academy of Sciences
	WANG Dezhi, Hubei University, China
	WU Mingquan, Aerospace Information Research Institute, Chinese Academy of Sciences
10:10-10:20	**Night-time light remote sensing – from research to operation** LI Xi (Wuhan University, China)
10:20-10:30	**Big data supports the sustainable development of coral reefs** ZUO Xiuling (Guangxi University, China)
10:30-10:40	**Application and Progress of Lidar Technology in Mangrove Ecology** WANG Dezhi (Hubei University, China)
10:40-10:50	**Spatio-temporal analysis of litterfall load in the lower reaches of Qarqan and Tarim rivers using BP neural networks** ANWAR Eziz (Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences)
10:50-11:00	**Potential Technical Risk Identification and Early Layout Warning for Electrochemical Energy Storage Field** DONG Jinfeng (National Science Library (Chengdu), Chinese Academy of Sciences)
11:00-11:10	**A concise real-time identification method of maize phenological period based on remote sensing time information and segmented machine learning algorithm** ZHU Bingxue (Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences)
11:10-11:20	**Remote Sensing Identification and Analysis of Global Building Electrification (2012–2023)** WU Mingquan (Aerospace Information Research Institute, Chinese Academy of Sciences)
11:21-11:26	**Substantial rehabilitation of mangrove forests along the Indus Delta Coastline of Pakistan: A 33-year review** SARFRAZ Ahmed (Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences)
11:27-11:32	**Multi-scale Analysis on the Correlation between Landscape Pattern and Water Quality in Hainan Tropical Rainforest National Park** PAN Jiaqin (Huazhong Agricultural University, China)

11:33-11:38	**Utility-Scale Solar Farms Enhance Vegetation Growth in Non-Humid Regions of China: Ecological Insights from Extensive Photovoltaic Deployment** YAO Zhiying (China Agricultural University, China)
11:39-11:44	**Detection of Farmland Soil Structure Using Continuous Wavelet Transform Time-Frequency Analysis** QIAO Guanyu (China Agricultural University, China)
11:45-11:50	**Predicting Monthly Urban Electricity Consumption Based on Nighttime Light Remote Sensing: A Study on Yangtze River Delta Urban Agglomeration** Chen Shuo (Aerospace Information Research Institute, Chinese Academy of Sciences)
11:51-11:56	**Simulation of nitrogen load and optimization of nitrogen fertilizer management in watershed based on CNMM-DNDC model** LI Jiawen (Hebei GEO University, China)
11:57-12:02	**Global effects of sustainable development goals progress on transboundary basins** LI Meiping (Nanjing University, China)
12:03-12:08	**Joint Impacts of Spatial Resolution and Precipitation Data on Hydrological Modeling Uncertainty** YE Ting (Wuhan University, China)
12:09-12:14	**Global Fine-Scale Assessment of the Technical and Economic Potential of Solar Photovoltaic Power Using Google Earth Engine** SU Boxiong (Aerospace Information Research Institute, Chinese Academy of Sciences)