

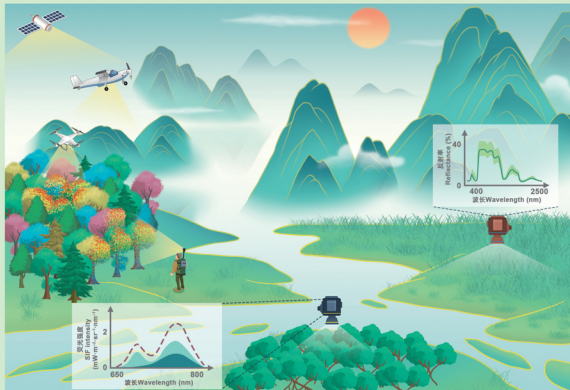
植物生态学报

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专辑：生态遥感新方法及应用

Special issue: New methods in remote sensing for ecology and their applications



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植物生态学报

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生态遥感新方法及应用专辑

目次

编者评述

- 1125 生态遥感新方法及其在自然保护地天空地一体化监测中的应用
苏艳军 严正兵 吴锦 刘玲莉

综述

- 1129 光谱多样性在植物多样性监测与评估中的应用
田佳玉 王彬 张志明 林露湘
- 1151 高光谱遥感技术在植物功能性状监测中的应用与展望
严正兵 刘树文 吴锦
- 1167 日光诱导叶绿素荧光遥感及其在陆地生态系统监测中的应用
吴霖升 张永光 章钊颖 张小康 吴云飞
- 1200 三维辐射传输模型在森林生态系统研究中的应用与展望
王嘉童 牛春跃 胡天宇 李文楷 刘玲莉 郭庆华 苏艳军
- 1219 国家尺度自然保护地生态系统联网监测指标体系构建与应用研究
徐梦 田大栓 王易恒 何奕成 崔清国 李跃林 申小莉 原作强 王扬

研究论文

- 1234 基于Sentinel-2数据的草地植物功能多样性遥感反演及其与生产力的关系
赵晏平 王忠武 温都日根 赵玉金 白永飞
- 1251 基于Sentinel-2A数据的东北森林植物多样性监测方法研究
周楷玲 赵玉金 白永飞
- 1268 沿海养殖池塘对红树林生态系统影响的时空变化监测与分析
姜玉峰 李晶 信瑞瑞 李艺
- 1280 一种基于数码相机图像和群落冠层结构调查的草地地上生物量估算方法
刘超 李平 武运涛 潘胜难 贾舟 刘玲莉
- 1289 黄土高原生态工程实施下基于日光诱导叶绿素荧光的植被恢复生产力效益评价
薛金儒 吕肖良
- 1305 卫星遥感监测产品在中国森林生态系统的验证和不确定性分析——基于海量无人机激光雷达数据
刘兵兵 魏建新 胡天宇 杨秋丽 刘小强 吴发云 苏艳军 郭庆华

封面说明: 天空地一体化生态遥感监测示意图。生态系统综合观测是理解生态过程与机理、预测生态系统变化的基础。生态遥感新技术的快速发展为自然生态系统的多尺度、高效率和高精度监测提供了新维度,极大强化了连续时空领域的观测能力。本专辑分别就多/高光谱遥感、日光诱导叶绿素荧光、激光雷达等生态遥感新方法及其在自然保护地监测中的应用进行了系统梳理,以期推动遥感技术在生态学研究中的应用,促进生态学研究领域对生态遥感新技术的关注和重视。

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Chinese Journal of Plant Ecology

October 2022 Vol. 46 No. 10

Special issue: New methods in remote sensing for ecology and their applications

CONTENTS

Editorial

- 1125 New methods in remote sensing for ecology and their applications in the monitoring of nature reserves
SU Yan-Jun, YAN Zheng-Bing, WU Jin, and LIU Ling-Li

Reviews

- 1129 Application of spectral diversity in plant diversity monitoring and assessment
TIAN Jia-Yu, WANG Bin, ZHANG Zhi-Ming, and LIN Lu-Xiang
- 1151 Hyperspectral remote sensing of plant functional traits: monitoring techniques and future advances
YAN Zheng-Bing, LIU Shu-Wen, and WU Jin
- 1167 Remote sensing of solar-induced chlorophyll fluorescence and its applications in terrestrial ecosystem monitoring
WU Lin-Sheng, ZHANG Yong-Guang, ZHANG Zhao-Ying, ZHANG Xiao-Kang, and WU Yun-Fei
- 1200 Three-dimensional radiative transfer modeling of forest: recent progress, applications, and future opportunities
WANG Jia-Tong, NIU Chun-Yue, HU Tian-Yu, LI Wen-Kai, LIU Ling-Li, GUO Qing-Hua, and SU Yan-Jun
- 1219 Construction and application of the indicator system for ecosystem monitoring network in the protected areas on a national scale
XU Meng, TIAN Da-Shuan, WANG Yi-Heng, HE Yi-Cheng, CUI Qing-Guo, LI Yue-Lin, SHEN Xiao-Li, YUAN Zuo-Qiang, and WANG Yang

Research Articles

- 1234 Remotely sensed monitoring method of grassland plant functional diversity and its relationship with productivity based on Sentinel-2 satellite data
ZHAO Yan-Ping, WANG Zhong-Wu, WENDU Rigen, ZHAO Yu-Jin, and BAI Yong-Fei
- 1251 Study on forest plant diversity monitoring based on Sentinel-2A satellite data in northeast China
ZHOU Kai-Ling, ZHAO Yu-Jin, and BAI Yong-Fei
- 1268 Spatial-temporal dynamics of coastal aquaculture ponds and its impacts on mangrove ecosystems
JIANG Yu-Feng, LI Jing, XIN Rui-Rui, and LI Yi
- 1280 Estimation of grassland aboveground biomass using digital photograph and canopy structure measurements
LIU Chao, LI Ping, WU Yun-Tao, PAN Sheng-Nan, JIA Zhou, and LIU Ling-Li
- 1289 Assessment of vegetation productivity under the implementation of ecological programs in the Loess Plateau based on solar-induced chlorophyll fluorescence
XUE Jin-Ru and LÜ Xiao-Liang
- 1305 Validation and uncertainty analysis of satellite remote sensing products for monitoring China's forest ecosystems—Based on massive UAV LiDAR data
LIU Bing-Bing, WEI Jian-Xin, HU Tian-Yu, YANG Qiu-Li, LIU Xiao-Qiang, WU Fa-Yun, SU Yan-Jun, and GUO Qing-Hua

Cover illustration: Schematic diagram of space-air-ground integrated remote sensing for ecosystem monitoring. Integrated ecosystem monitoring is the foundation for understanding ecosystem processes and predicting ecosystem changes. Recent developments in remote sensing techniques provide new opportunities for multi-scale nature ecosystem monitoring with high frequency and accuracy, which largely reinforce our capability in collecting space-time continuous ecosystem observations. This special issue contains reviews and research articles on new remote sensing methods (e.g., multispectral and hyperspectral remote sensing, solar-induced fluorescence, light detection and ranging) and their applications in nature reserve monitoring. Through this special issue, we hope to attract attentions from the ecological community and promote applications of new remote sensing methods in ecological studies.

Editors of the special issue: SU Yan-Jun, YAN Zheng-Bing, WU Jin, and LIU Ling-Li