



李林源 - 个人简历

基本信息

姓 名: 李林源 性 别: 男 出生年月: 1992年12月
籍 贯: 河北 民 族: 汉 政治面貌: 九三学社社员
职 称: 讲师 研究方向: 植被遥感 联系电话: 010-62338133
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当前研究兴趣

低空植被定量遥感: 数据辐射与几何校正, 超分辨率植被参数反演, 多尺度农林生态应用

工作经历

2020.07 – 2023.12 北京林业大学, 林学院, 讲师
2024.1-至今 北京林业大学, 林学院, 副教授
2025.10-2025.11 法国国家农业食品与环境研究院(INRAe), 访问学者

教育经历

2014.09 – 2020.06 北京师范大学, 地理科学学部, 地图学与地理信息系统, 博士(硕转博)
导师: 阎广建 教授; 穆西哈 副教授
2017.11 – 2019.12 法国国家农业研究院(INRA), EMMAH实验室, 定量遥感, 联合培养博士,
导师: Frédéric BARET 高级研究员
2010.09 – 2014.07 长安大学, 地质工程与测绘学院, 遥感科学与技术, 学士

学术论文 (5篇代表作)

- ✧ Li, L., Liu, S., Wang, Z., Zhao, X., Qi, J.*, Li, D., Guo, P., Yu, Z., Lin, S., Liu, S., Huang, H., **2025**. Seeing into individual trees: tree-specific retrieval of tree-level traits using 3D radiative transfer model and spatial adjacency constraint from UAV multispectral imagery. *Remote Sensing of Environment*. [一区 TOP, SCI]
- ✧ Lin, S., Li, L.*, Liu, S., Gao, G., Zhao X., Chen, L., Qi, J., Shen Q., Huang, H. **2024**. Stratified burn severity assessment by integrating spaceborne spectral and waveform attributes in Great Xing'an Mountain. *Remote Sensing of Environment*. [一区 TOP, SCI]
- ✧ Li, L.*, Mu, X., Jiang, H., Chianucci, F., Hu, R., Song, W., Qi, J., Liu, S., Zhou, J., Chen, L., Huang, H., Yan, G., **2023**. Review of ground and aerial methods for vegetation cover fraction (fCover) and related quantities estimation: definitions, advances, challenges, and future perspectives. *ISPRS J. Photogramm. Remote Sens.* [一区 TOP, SCI]
- ✧ Li, X., Li, L.*, Ni, W., Mu, X., Wu, X., Vaglio Laurin, G., Vangi, E., Sterenczak, K., Chirici, G., Yu, S., Huang, H., Qi, J.*, **2023**. Validating GEDI tree canopy cover product across forest biomes using co-registered aerial LiDAR data. *ISPRS J. Photogramm. Remote Sens.* [一区 TOP, SCI]
- ✧ Li, L., Mu, X.*, Qi, J., Pisek, J., Roosjen, P., Yan, G., Huang, H., Liu, S., Baret, F., **2021**. Characterizing soil background BRDF in open forests using UAV-based multi-angular images. *ISPRS J. Photogramm. Remote Sens.* [一区 TOP, SCI]

目前在研项目

- ✧ 基于机载激光雷达与光学影像的林下植被关键参数反演 (No. 42571402), 20256-2029, 基金委面上项目, 47万元, 主持, 在研
- ✧ 突发事件生态损害即时遥感响应特征知识库系统构建研究 (No. 2024YFF13062011), 2024-2027, 重点研发计划专题, 55万, 主持, 在研
- ✧ 基于无人机遥感的单木尺度叶面积指数与叶绿素含量反演研究 (No. 4210010195), 2022-2024, 基金委青年项目, 30万元, 主持, 结题.
- ✧ 基于无人机影像与点云融合数据的森林冠层覆盖度估算 (No. 2020M680402), 2020-2022, 博后面上项目, 8 万元, 主持, 结题.



CURRICULUM VITAE

Linyuan LI

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Born Dec 1992, Cangzhou, China.

Research Interests

Low-altitude remote sensing: data correction, vegetation trait retrieval, synergy of UAV and satellite

Employment

2020.07 – 2023.12 Assistant professor at Beijing Forestry University in China

2024.1 - now Associate professor at Beijing Forestry University in China

2025.10-2025.11 Visiting scholar at INRAE in France

Education

2014.09 – 2020.06 Ph.D at Faculty of Geography, Beijing Normal University, Beijing, China

Supervisor: Prof. Guangjian YAN, Prof. Xihan MU

2017.11 – 2019.12 Joint Ph.D at EMMAH, INRA, Avignon, France

Supervisor: Prof. Frédéric BARET

2010.09 – 2014.07 Bachelor at Chang'an University, Xi'an, China

Selected publications (5 articles)

- ✧ Li, L., Liu, S., Wang, Z., Zhao, X., Qi, J.*, Li, D., Guo, P., Yu, Z., Lin, S., Liu, S., Huang, H., **2025**. Seeing into individual trees: tree-specific retrieval of tree-level traits using 3D radiative transfer model and spatial adjacency constraint from UAV multispectral imagery. Remote Sensing of Environment.

- ✧ Lin, S., **Li, L.***, Liu, S., Gao, G., Zhao X., Chen, L., Qi, J., Shen Q., Huang, H. **2024**. Stratified burn severity assessment by integrating spaceborne spectral and waveform attributes in Great Xing'an Mountain. *Remote Sensing of Environment*.
- ✧ **Li, L.***, Mu, X., Jiang, H., Chianucci, F., Hu, R., Song, W., Qi, J., Liu, S., Zhou, J., Chen, L., Huang, H., Yan, G., **2023**. Review of ground and aerial methods for vegetation cover fraction (fCover) and related quantities estimation: definitions, advances, challenges, and future perspectives. *ISPRS J. Photogramm. Remote Sens.*
- ✧ Li, X., **Li, L.***, Ni, W., Mu, X., Wu, X., Vaglio Laurin, G., Vangi, E., Sterenczak, K., Chirici, G., Yu, S., Huang, H., Qi, J.*, **2023**. Validating GEDI tree canopy cover product across forest biomes using co-registered aerial LiDAR data. *ISPRS J. Photogramm. Remote Sens.*
- ✧ **Li, L.**, Mu, X.*, Qi, J., Pisek, J., Roosjen, P., Yan, G., Huang, H., Liu, S., Baret, F., **2021**. Characterizing soil background BRDF in open forests using UAV-based multi-angular images. *ISPRS J. Photogramm. Remote Sens.*

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Projects funded

- ✧ Retrieving forest understory essential variables using aerial LiDAR and optical imagery, No.42571402, 2026-2029, **NSFC**
- ✧ Building knowledge base of full-spectrum remote sensing response of ecological damage in emergencies No.2024YFF13062011, 2024-2027, **National K&D Program**
- ✧ Retrieving individual-level leaf area index and leaf chlorophyll content with UAV remotely sensed data, No. 4210010195, 2022-2024, **NSFC**
- ✧ Ultra-high-resolution canopy mapping by a self-supervised CNN using UAV imagery and photogrammetric point cloud data, No. 2020M680402, 2020-2022, **CPSF**