一、基本情况

姓名：陈琳 博士/副教授
邮箱：chenlin@hznu.edu.cn
指导专业：0713Z1 生态信息科学、075100 气象
研究方向：森林植被参数遥感反演、城市化环境效应遥感监测、土壤属性数字制图

二、学术简介

理学博士，副教授，硕士生导师，毕业于中国科学院大学地图学与地理信息系统专业，获中国科学院院长特别奖，博士期间受国家留学基金委资助前往美国罗德岛大学联合培养一年。2020 年入职杭州师范大学，入选 2021 年度杭州市高层次人才特殊支持计划，主持结题国家自然科学基金和浙江省自然科学基金共 2 项，主要从事森林植被参数遥感反演、城市化环境效应遥感监测和土壤属性数字制图等方面的研究，以第一作者/通讯作者身份在 International Journal of Applied Earth Observation and Geoinformation, Forest Ecology and Management 等期刊上发表 SCI 论文 15 篇，其中中科院分区二区及以上 13 篇。担任 Chinese Geographical Science 青年编委（2024-2025），中国林学会气象专业委员会第七届委员会委员，浙江省生态学会森林生态专业委员会第七届委员会委员，并担任 International Journal of Digital Earth、Sustainable Cities and Society、Computers, Environment and Urban Systems、Agricultural and Forest Meteorology、International Journal of Applied Earth Observation and Geoinformation 等国际学术期刊审稿人。

三、主讲课程

【本科生】地理信息科学前沿、地理学理论与方法等

【研究生】遥感地学分析等

四、教育及工作经历

2020 年 7 月 于中国科学院大学获地图学与地理信息系统专业博士学位（推免硕博连读）

2015 年 7 月 于长安大学获资源环境与城乡规划管理专业学士学位

2019 年 11 月 于美国罗德岛大学完成为期一年的联合培养博士学习（国家留学基金委资助）

2020 年 7 月至今 杭州师范大学信息科学与技术学院专任教师

五、科研成果

【科研项目】

[1] 结合卫星动态监测和多源遥感技术反演的森林地上生物量时空分布估算，国家自然科学基金青年项目，主持。

[2] 整合不同林型地面实测和主被动多源遥感数据估算森林地上生物量，浙江省自然科学基金探索青年项目，主持。

[3] 东北森林生态系统监测与评估技术研究，“十三五”国家重点研发计划子课题，参与。

[4] 近 30 年来长春市城市扩张对区域土壤有机碳储量的影响，国家自然科学基金面上项目，参与。

[5] 滨海湿地生态系统类型和模式演化规律研究，国家重点基础研究发展计划子课题，参与。

【发表论文】

[1] **Lin Chen,** Chunying Ren*, Bai Zhang, Zongming Wang, Mingyue Liu., Weidong Man, Jiafu Liu. Improved estimation of forest stand volume by the integration of GEDI LiDAR data and multi-sensor imagery in the Changbai Mountains Mixed Forests Ecoregion (CMMFE), Northeast China. International Journal of Applied Earth Observations and Geoinformation, 2021, 100, 102326. IF: 7.5. JCR Q1.

[2] **Lin Chen**, Yeqiao Wang, Chunying Ren*, Bai Zhang, Zongming Wang. Assessment of multi-wavelength SAR and multispectral instrument data for forest aboveground biomass mapping using random forest kriging. Forest Ecology and Management, 2019, 447, 12-25. IF: 3.7. JCR Q1.

[3] **Lin Chen***, Mingyue Liu, Weidong Man. Multidimensional identification of county-level shrinkage by improved mapping of urban entities based on time-series remote sensing data: A case study of Yangtze River Delta urban agglomerations. Remote Sensing, 2025, 17, 2536. JCR Q1

[4] **Lin Chen**, Chunying Ren*, Bai Zhang, Zongming Wang, Weidong Man, Mingyue Liu. Improved object-based mapping of aboveground biomass using geographic stratification with GEDI data and multi-sensor imagery. Remote Sensing, 2023, 15, 2625. IF: 5. JCR Q1.

[5] **Lin Chen**, Chunying Ren*, Guangdao Bao, Bai Zhang, Zongming Wang, Mingyue Liu., Weidong Man, Jiafu Liu. Improved object-based estimation of forest aboveground biomass by integrating LiDAR data from GEDI and ICESat-2 with multi-sensor images in a heterogeneous mountainous region. Remote Sensing, 2022, 14, 2743. IF: 5. JCR Q1.

[6] **Lin Chen**, Bin Zhou*, Weidong Man, Mingyue Liu. Landsat-based monitoring of the heat effects of urbanization directions and types in Hangzhou City from 2000 to 2020. Remote Sensing, 2021, 13, 4268. IF: 5. JCR Q1.

[7] **Lin Chen**, Chunying Ren*, Bai Zhang, Zongming Wang, Yeqiao Wang*. Mapping spatial variations of structure and function parameters for forest condition assessment of the Changbai Mountain National Nature Reserve. Remote Sensing, 2019, 11, 3004. IF: 5. JCR Q1.

[8] **Lin Chen**, Yeqiao Wang, Chunying Ren*, Bai Zhang, Zongming Wang. Optimal combination of predictors and algorithms for forest above-ground biomass mapping from Sentinel and SRTM data. Remote Sensing, 2019, 11, 414. IF: 5. JCR Q1.

[9] Jingchuan Zhou, Weidong Man, Mingyue Liu, **Lin Chen***. Relationship between urban forest fragmentation and urban shrinkage in China differentiated by moisture and altitude. Forests, 2024, 15, 1522. IF: 2.4. JCR Q1. （本科生一作）

[10] Yuxin Zhu, Jingchuan Zhou, Mingyue Liu, Weidong Man, **Lin Chen***. Annually spatial pattern dynamics of forest types under a rapid expansion of impervious surfaces: a case study of Hangzhou City. Forests, 2024, 15, 44. IF: 2.4. JCR Q1. （本科生一作）

[11] **Lin Chen**, Chunying Ren*, Bai Zhang, Zongming Wang. Multi-sensor prediction of stand volume by a hybrid model of support vector machine for regression kriging. Forests, 2020, 11, 296. IF: 2.9. JCR Q1.

[12] **Lin Chen**, Chunying Ren, Bai Zhang*, Zongming Wang, Yanbiao Xi. Estimation of forest above-ground biomass by geographically weighted regression and machine learning with Sentinel imagery. Forests, 2018, 9, 582. IF: 2.9. JCR Q1.

[13] **Lin Chen**, Chunying Ren*, Bai Zhang, Lin Li, Zongming Wang, Kaishan Song. Spatiotemporal dynamics of coastal wetlands and reclamation in the Yangtze Estuary during past 50 years (1960s–2015). Chinese Geographical Science, 2018, 28, 386-399. IF: 3.4. JCR Q2.

[14] **Lin Chen**, Chunying Ren*, Bai Zhang, Zongming Wang, Mingyue Liu. Quantifying urban land sprawl and its driving forces in northeast China from 1990 to 2015. Sustainability, 2018, 10, 188. IF: 3.9. JCR Q2.

[15] **Lin Chen**, Chunying Ren*, Lin Li, Yeqiao Wang, Bai Zhang, Zongming Wang, Linfeng Li. A comparative assessment of geostatistical, machine learning, and hybrid approaches for mapping topsoil organic carbon content. ISPRS International Journal of Geo-Information, 2019, 8, 174. IF: 3.4. JCR Q2.

[16] **陈琳**，任春颖*，王灿，等. 6 个时期黄河三角洲滨海湿地动态研究. 湿地科学，2017，15(2)：179-186.

[17] **陈琳**，任春颖*，王宗明，等. 基于克里金插值的耕地表层土壤有机质空间预测. 干旱区研究，2017，34(4)：798-805.

[18] **陈琳**，任春颖*，王宗明，等. 黄河三角洲滨海地区人类干扰活动用地动态遥感监测及分析. 湿地科学，2017，15(4)：613-621.

[19] Chunying Ren, **Lin Chen**, Zongming Wang, Bai Zhang*, et al. Spatio-temporal changes of forests in Northeast China: insights from Landsat images and geospatial analysis. Forests, 2019, 10, 937. IF: 2.9. JCR Q1.

[20] Chunying Ren, Zongming Wang*, Yuanzhi Zhang*, Bai Zhang, **Lin Chen**, et al. Rapid expansion of coastal aquaculture ponds in China from Landsat observations during 1984–2016. International Journal of Applied Earth Observation and Geoinformation, 2019, 82, 101902. IF: 4.65. Highly cited. JCR Q1.

[21] Chunying Ren, Zongming Wang, Bai Zhang*, Lin Li, **Lin Chen**, et al. Remote monitoring of expansion of aquaculture ponds along coastal region of the Yellow River Delta from 1983 to 2015. Chinese Geographical Science, 2018, 28, 430-442. IF: 3.4. JCR Q2.

[22] 何兴元*，任春颖，**陈琳**，等. 森林生态系统遥感监测技术研究进展. 地理科学，2018，38(7)：997-1011.

【教材（专著）】

[1] **Lin Chen**, Chunying Ren. Remote Sensing of Coastal Wetlands of the Yellow River Delta Region. In: The Coastal and Marine Environments, Second Edition, edited by Wang Y.; CRC Press, Boca Raton, FL, USA, 2020, pp. 307-316. https://doi.org/10.1201/9780429441004-35.

[2] **Lin Chen**, Chunying Ren. Coastal Change: Remote Sensing of Wetlands in Yangtze River Estuary. In: Coastal and Marine Environments, Second Edition, edited by Wang Y.; CRC Press, Boca Raton, FL, USA, 2020, pp. 317-324. https://doi.org/10.1201/9780429441004-36.

[3] Yeqiao Wang, **Lin Chen**. A Hybrid Approach for Mapping Salt Marsh Vegetation. In: Coastal and Marine Environments, Second Edition, edited by Wang Y.; CRC Press, Boca Raton, FL, USA, 2020, pp. 299-306. https://doi.org/10.1201/9780429441004-34.

六、荣誉与奖励

[1] 2025 年，杭州师范大学本科生毕业论文优秀指导教师

[2] 2024 年&2025 年，杭州师范大学优秀班主任

[3] 2024 年，“精进杯”杭州师范大学学生学术成果三等奖指导教师

[4] 2022 年, 杭州市高层次人才特殊支持计划

[5] 2020 年，中国科学院院长特别奖

[6] 2019 年，博士国家奖学金

[7] 2014 年&2012 年，本科生国家奖学金