

Wei Jiaxing



Areas of Research

- **Green infrastructure**
- **Microclimate of landscape architecture**
- **Rural landscape planning**

Contact Information

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Research Interests

- **Green infrastructure; Microclimate of landscape architecture; Rural landscape planning**

- (1) With the help of multi-temporal remote sensing satellite images, using RS, GIS and related analysis methods to optimize the network pattern of urban green infrastructure from the perspective of spatial configuration and morphology, so as to improve human well-being and to meet the need of urban smart protection and smart growth.
 - (2) Selecting typical samples for phytocoenology investigation combined with the method of vegetation quantitative ecology, to get the measured data of diameter, crown width and the data of plant community structure factors such as canopy density, porosity and leaf area index. From the perspective of community structure optimization, constructing the plant arrangement pattern of urban green space based on microclimate optimization.
 - (3) With the help of scientific approaches to estimate the rural environment, discussing the key drivers affecting the coupling and coordinated development of beautiful countryside green space function based on the "coupling" in the system theory and the "coupling coordination" in the synergy theory, proposing optimized strategies and summarizing design guidelines, which provide theoretical and empirical basis for rural landscape construction in the new era.
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Education Background

Bachelor: Nanjing Agricultural University

Master: Nanjing Agricultural University

Doctor: Nanjing Agricultural University

Visiting Scholar: Chiba University(Japan)

Work experience

Lecturer, Nanjing Agricultural University, 2012-2017

Associate Professor, Nanjing Agricultural University, 2017-

Honors and Awards

The Member of Theory and History Professional Committee , Chinese Society of Landscape Architecture

Invited Expert of Rural Tourism, Jiangsu Provincial Department of Culture and Tourism
Director, Department of landscape architecture, Nanjing Agricultural University

Selected Publication

Wei Jiaxing, Qian Jing, Hu Feng and Ou Weixin. Evaluating Spatial Priority of Urban Green Infrastructure for Urban Sustainability in Areas of Rapid Urbanization: A Case Study of Pukou in China. Sustainability, 2018(10).

Wei Jiaxing, Song Yi, Wang Yuncai, and Xiang Weining. Urban Green Infrastructure Building for Sustainability in Areas of Rapid Urbanization based on Evaluating Spatial Priority: A Case Study of Pukou in China[J]. Acta Ecologica Sinica, 2019(4).

Wei Jiaxing, Zhang Yuzhen, Zhou Xilin, Liang Jiye. Research on Green Infrastructure Network Construction in Oasis City in Arid Regions: A Case Study of Alar City, Xinjiang [J]. Chinese Landscape Architecture, 2020(4).

Wei Jiaxing, Jiang Weibing, Wu Tao. Research on the Impacts of Beautiful Rural Construction on the Protection of Agriculture Heritage[J]. Agricultural History of China, 2017(1).

Qi Shuzhan, Jiang Weibing, Wei Jiaxing. Ring Road Greenbelts in China: Problems, Countermeasures and Prospects[J]. Journal of Chinese Urban Forestry, 2017(7).
