

Xiong Xing



Areas of Research

Theory of landscape architecture planning and design, Traditional rural landscape conservation.

Contact Information

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Research Interests

Rural landscape; Cultural landscape; Parametric protection

Our research direction is parametric protection of traditional rural landscape. Some of the problems we are currently working on are described below:

1. Theoretical research on "source and sink" in rural landscape

Our primary research interest concerns about traditional rural landscape security pattern construction based on "Source Sink" theory. The traditional rural landscape contains both cultural and ecological systems. Our research has focus on the analysis and deduction of landscape process. Based on the theory and method of "Source-Sink", which has prominent advantages in material flow and landscape process simulation, by analyzing the "Source" and "Sink" in traditional rural areas, the traditional rural landscape protection strategy of bi-directional "Source" and "Sink" pattern with both positive and negative ways was put forward, to provide the spatial analysis and decision support for the planning and management of traditional villages and towns.

2. Practical research based on the theory of "source and sink"

Based on the theory and method of "source and sink", taking the Xishan in Taihu Lake Scenic Spot as an example, by identifying the category, location, scope and intensity of the "source" of ecological and cultural landscape system, taking the four indicators as the evaluation elements of resistance "sink", basing on the ArcGIS platform, the processes of "source" and "sink" of the traditional ecological and cultural landscape in Xishan were calculated, to obtain the security pattern of both ecological and cultural

landscape.

Education Background

Bachelor: Soochow University

Master: Jiangxi Normal University

Doctor: Nanjing Forestry University

Work experience

Lecturer, Associate professor, Jiangsu Open University, 2010-2020

Visiting scholar, Michigan State University, 2018-2019

Associate Professor, School of horticulture, Nanjing Agricultural University, 2020-

Honors and Awards

Jiangsu social science applied research excellent project (Second prize, 2019)

Micro class teaching competition of universities in Jiangsu (Second prize, 2018)

The outstanding young teacher in Jiangsu Province (2017)

Selected Publication

Xiong Xing, Tang Xiaolian, Liu Lan, Wang Junwei. Traditional rural landscape protection and control strategy based on the "Source-Sink" pattern. Journal of Nanjing Forestry University (Natural Science Edition) **43**:143-151.

Xiong Xing, Tang Xiaolian, Ye Haiyue, Wang Jun-wei, Liu Lan. Traditional rural landscape protection and control strategy based on the "Source-Sink" pattern. Area research and development **38**:120-125.

Xiong Xing, Tang Xiaolan, Wang Yanyan. Study on Doctoral Dissertation Topics of Landscape Architecture in China. Chinese landscape architecture **31**: 94-100.

Xiong Xing, Tang Xiaolan, Bao Wenyuan, Ye Haiyue, Yi Xiangui. A study on Green Infrastructure Construction Strategies of City River Island--Taking Nanjing Jiangxinzhou Island as an Example. China forestry science and technology **29**:146-151.

Xiong Xing, Tang Xiaolan, Liu lan. Construction Strategy of Rural Cultural Landscape Database management platform in Scenic Area. Journal of Nanjing Forestry University (Natural Science Edition) **41**:99-106.

Xiong Xing, Tang Xiaolan, Yi Xuehui, Ai Weigang. Strategy Analysis of Nanjing Island Greenway Network [J]. northern horticulture, **12**: 202-207.

Xiong xing, Tang Xiaolan, Zhou Mingfeng, Ye Haiyue, fan Yongji. Greenway Network Construction Strategy on River Islands: A case study of NanJing Jiangxin Island. Jiangsu Agricultural Sciences, **44**:210-215.
