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IMPACTS OF URBAN LANDSCAPE FUNCTIONAL TYPES ON URBAN GREENSPACE

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Abstract

Studying the relationship between urban typical landscape functional types and vegetation communities will conduct to information on management measures, people's activities etc. Moreover, this could attain an important role for the research of other ecological phenomena where human activities are involved. According to the data collected from the said plots, the impact of typical landscape functional types of urban core areas on the plant species was analysed. The results show that indigenous plant species richness order is agree with openness level of various urban functional types. Total plant species richness order and the order of exotic plant species richness reflect Residential and Institutional areas have many free habitats to be utilized. Artificial management measures are very intense in Recreational area, which caused not only the growth of exotic plant species of Residential and Institutional area, but also the entrance of exotic plant species of Recreational area that show lower vitality in survival and growth. So these results are in accordance with FNH (Free Niche Hypothesis) in artificial environment. The results also suggest that we should establish the comprehensive disturbance measurement index system of artificial control city environment.

Key words: management measures, urban landscape functional type, vegetation spatial pattern

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1. Introduction

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