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**Geographic Space**

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**The Ecological Status of Green Space in Birjand with Emphasis on the Regional and Local Parks Based on Landscape Metrics**

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**Abstract**

Since improper planning can destruct ecological structures such as vegetation within cities and their surrounding and conclude loss of biodiversity and stability of ecological processes, it is important to attend to ecological principles in land use planning. Therefore an efficient urban planning cannot be formed without regard to ecological principles. Thus in this study the landscape metrics (MNN, NP, MPS, CAP) , individually and all together, has been used for analyzing the ecological status of green space in Birjand. Then due to the close relationship between green space and urban parks, the ecological sustainability of urban parks (in the localand regional scale) was evaluated. The results of this study indicate that Public green spaces in Birjand City, are not favorable from the aspect of composition and spatial distribution. and also mosaic network of green spaces don't have sufficient extent and continuity for ecological services. so we should try to improve public green space regions status,that We can achieved this issue by the creation of connectivity between the regions that have discrete green patches with small area. and this issue is very important in site selection for new parks.

**Keywords**: Urban Green Space, Landscape Metrics, Ecological Principles.

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