

研究报告

芜湖市冬夏季鸟类多样性分析

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摘要

2004年5月至2005年2月,对芜湖市4种典型生境(农田居民区、城市园林、河漫滩湿地和河流湿地)的冬夏季鸟类进行调查,并探讨4种生境冬夏两季鸟类多样性指数.共记录鸟类117种,隶属于15目31科.农田居民区、城市园林和河漫滩湿地夏季鸟的种类数、*G-F*指数高于冬季,河流湿地冬季鸟的种类数、Shannon-Wiener指数、Pielou指数均明显高于夏季.城市园林鸟的种类数、*G-F*指数最高,河漫滩湿地Shannon-Wiener指数、Pielou指数最高.夏季的农田居民区和冬季的城市园林鸟类密度最大,分别为 31.1140和42.9160 ind·hm⁻²,而河流湿地鸟的种类数、密度、Shannon-Wiener指数、*G-F*指数均最低.增加栖息地异质性、减少人为干扰可以提高鸟类多样性.

关键词 [鸟类](#) [冬夏季](#) [多样性指数](#) [芜湖](#)

分类号

Avian diversity in Wuhu City in summer and winter

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Abstract

From May 2004 to February 2005, an investigation was made on the avian communities in four typical habitats, *i.e.*, village and farmland, urban woodlot, floodplain, and riverine wetland in Wuhu City, with the related diversity indices analyzed. A total of 117 species belonging to 15 orders and 31 families was recorded. The avian species and *G-F* index in village and farmland, urban woodlot, and floodplain were higher in summer than in winter, while the species number, Shannon-Wiener index and Pielou index in riverine wetland were significantly higher in winter than in summer. The avian species and *G-F* index in urban woodlot were the highest, and the Shannon-Wiener index and Pielou index in floodplain were higher than those in other three habitats. The highest density was observed in village and farmland in summer and in urban woodlot in winter, being 31.1140 and 42.9160 ind·hm⁻², respectively. The avian species, density, Shannon-Wiener index and *G-F* index in riverine wetland were the lowest. Avian diversity could be enhanced by increasing spatial heterogeneity and reducing human disturbance.

Key words [Aves](#) [Summer and winter](#) [Diversity index](#) [Wuhu](#)

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