3- Impact of Some Human Activities on the Biodiversity of Bird Species at Damietta Region, Egypt

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The present study aims to assess the impact of some human activities on the bird community. Birds were sampled, using line transect and point count method, in six different localities on Damietta coast, Egypt, for 15 months (from July 2007 to September 2008). Species diversity varied spatially and temporally among the different localities during the study period. Nevertheless, the control site had the highest richness and abundance, while agriculture site and urbanized site had the lowest richness and abundance respectively. In contrast, urbanized site recorded the highest species evenness, while sparsely vegetated fish farm site (deserted and densely vegetated fish farm) had the lowest one. Otherwise fish farm site had the highest diversity while agriculture site had the lowest one. The different localities had distinct and characteristic groups of bird species reflecting the different human activities.

**Key words:** Biodiversity, Bird, Human activity, species diversity, species abundance, species richness, species evenness, Damietta.

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