
**DISTRIBUTION AND PROTECTION OF ECOSYSTEMS
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**AVIFAUNA OF THE PTAN RIVER'S VALLEY UNDER CONDITIONS OF THE
ANTHROPOGENIC INFLUENCE (THE SOUTH-EAST OF TULA REGION)¹**

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This article presents the results of analysis of materials, obtained during reconnaissance researches which were carried out in spring and summer of 2019 in the middle course of the Ptan river in the north of forest-steppe zone of Kurkinsky district, south-east of Tula region. The studies were aimed to evaluate the state of the floodplain ecosystems under conditions of increasing anthropogenic influence and climatic changes. During the researches the physical and geographical features of the region were studied, the geobotanical and soil studies were carried out to characterize composition and structure of separate ecosystem components, such as soil and vegetation of the river floodplain. The materials of literary sources were also analyzed, and the data of ornithological inventories of spring and summer of 2019 was used. The ecological characterization was made along with the current evaluation of the riverside ornithocomplexes condition (species diversity, population and richness of the wetlands birds) under the influence of anthropogenic pressure. The main features of environmental transformation were revealed; they are the main factors that cause an influence on the floodplain avifauna of the Ptan river floodplain.

Keywords: Russia, Tula region, evaluation, influencing factor, forest-steppe zone, floodplain ecosystems, river floodplain, intrazonal landscape, aridization, hydrological regime, climate, species composition, abundance, population abundance, richness, ornithocomplex, population, wetland complex.

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