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Research Article

Diversity and Distribution of Anuran fauna in Gibbon Wildlife Sanctuary, Assam, India

Saranga Pani Saikia[1*], Sushil Kumar Dutta[1]

[1]*Department of Zoology, Assam Don Bosco University, Sonapur, Tapesia Gardens, 782402, Guwahati, India*
[*]*Corresponding Author's E-mail: sarangapanisaikia842@gmail.com*

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ABSTRACT

Amphibians play a major role in maintaining ecological balance as they are key indicators of environmental health and contribute significantly to both pest control and nutrient cycling within ecosystems. Despite their importance, amphibians are increasingly threatened by habitat loss, pollution, and climate change. We conducted survey from June 2022 to February 2023 in the Gibbon Wildlife Sanctuary, aimed to document the diversity of anuran species and evaluate the conservation challenges they face. Over the course of the study, 14 distinct anuran species were identified, representing 5 families and 11 genera with 1 new record from Assam. All recorded species were classified as "Least Concern" according to the IUCN Red List criteria. However, the sanctuary's amphibians are under threat from the expansion of tea plantations, agricultural development, and increasing human populations.

Key words: Gibbon Wildlife Sanctuary, Amphibian, Anuran, Diversity, Microhabitat, Conservation threats.