

Correlation between food of the Indian skimmer and its behavior

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Abstract

Riverine avifauna plays a very important role in aquatic ecosystem. They maintain the ecological balance. Presently, their number is declining rapidly due to some abiotic and biotic factors and human influences. The present investigation deals with making some conservation strategies for a threatened species, Indian Skimmer (*Rynchops albicollis*) to save and increase their population by studying their feeding behavior and establishing relationship between the foods they consume and its bioactive compounds. In this view the present study is designed for the establishment of relationship between the foods and behavior of Indian Skimmer. Survey was done during January 2019 to April 2019 at Mundali, Cuttack. Fish as a food of Indian Skimmer was collected from market, dried and made in powder form for the screening of bioactive compounds. Thin Layer Chromatography (TLC) was performed and for knowing the medicinal values. Indian Skimmer was observed to consume surface fish before mating. The Phytochemical Screening showed the presence of Steroids in experimental fish extracts, which may be responsible to trigger the hormones for mating.

Keywords: Bioactive Compounds, Fish, Indian Skimmer, Steroid.

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