



**COVID-19 PANDEMIC AND
ITS IMPACT ON
BIODIVERSITY**

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CHAPTER

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EFFECTS OF LOCKDOWN- CONSEQUENCE OF COVID-19 PANDEMIC ON MIGRATORY BIRDS IN A STRETCH OF DAMODAR RIVER VALLEY, PASCHIM BARDHAMAN DISTRICT

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Abstract

One of the most interesting events of birdlife is migration. We observed whether sudden restriction of human activities in intermittent stretches of lockdown periods during covid-19 pandemic could impose any effects on local and winter migratory birds found in a stretch of Damodar river shore and its adjacent water filled open cast mining holes and green patches. Significantly higher number in few bird's species of the water hole was found during covid migratory seasons than pre-covid years. In addition, huge migratory settlement in some shore birds along both sides of the river was counted during covid seasons. Less anthropogenic disturbances, reduced pollution etc in local environment during lockdown periods and consequent much food availability might have multifaceted benefits on the winter settlement of few local and winter-migratory birds in the studied area.

Key words: Lockdown period, Covid, Migratory birds, Damodar Valley, Paschim Bardhaman.

INTRODUCTION

Avian migration is a natural periodical phenomenon, when the migrants fly hundreds to thousands kilometres from areas of low or decreasing resources to areas of high or

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