

***Avian Diversity in an around  
Sarangpuri Lake of Arvi,  
District. Wardha***



FIELD PROJECT REPORT  
ON  
“AVIAN DIVERSITY IN AND AROUND THE SARNGPURI LAKE”  
ARVI, DIST. WARDHA



SUBMITTED  
BY  
DEPARTMENT OF ZOOLOGY  
ARTS, COMMERCE AND SCIENCE COLLEGE ARVI, DIST WARDHA

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MR. A. S. GAIKWAD (LAB. ATTENDENT)

# **REPORT ON FIELD PROJECT**

## **(Department of Zoology)**

Zoology Department had completed the field project on the topic '**Avian Diversity in and around Sarangpuri Lake of Arvi, District- Wardha**' in the session 2018 – 2019. The seed money for the project was provided by the college. The UG students of Zoology Department who were interested to work for the field project were selected from B.Sc. I, II, III yr. Total 16 students and 05 faculties of Zoology Department worked on this field project.

The students were advised to undergo through the literature of the selected topics using library , books, research journals, e –Journals etc to identify the different species of birds.

### **LIST OF THE STUDENT:**

- 1) Mr. Sanket A. Wanskar (B.Sc.III)
- 2) Mr. Akmal Nadeem Abdul Rashid (B.Sc. III)
- 3) Mr. Piyush R.Wankhede (B.Sc. II)
- 4) Mr. Gaurav B.Pakhale (B.Sc. II)
- 5) Mr. Pavan R. Ukankar (B.Sc. II)
- 6) Mr. Pavan B. Khorgade (B.Sc. II)
- 7) Mr. Aditya A. Anjekar (B.Sc. II)
- 8) Mr. Nikhil Kolhe (B.Sc. II)
- 9) Mr. Mangesh R. Waghmare (B.Sc.II)
- 10) Miss. Anjali Kotwani (B.Sc.I)
- 11) Mr. Abhishek Manwar (B.Sc. I)
- 12) Mr. Rafi Ansari (B.Sc. I)
- 13) Miss. Samiksha Lande (B.Sc. I)
- 14) Mr. Rushukesh Gadge (B.Sc. I)
- 15) Miss. Rutuja Mahure (B.Sc. I)
- 16) Miss. Dhanashri Barade (B.Sc. I)



## **INTRODUCTION:**

Sarangpuri lake is one of the small water-body located in the in the area of vicinity of Arvi, District-Wardha. It shows avian biodiversity which can attract the attention of bird watcher and ornithologist. The lake is surrounded by vast area of aquatic vegetation. Around this lake trees, herbs and shrubs is located with same stretch of grassland area. This lake itself fits for aquatic ecosystem.

The speciality of this lake is that the water is supplied to entire town without motor by mechanism of gravitational force, which has the water of high purified quality. This water purification system and water supply to entire town was initiated by the Britishers in 1907 A. D. Sarangpuri now is a small animal sanctuary where thousands of birds and animals including tiger and leopard reside. Nowadays, water is supplied through newly constructed lower Wardha dam backwaters from Kuandanyapur (kundipur) which is also recreation centre for the people.

The present study is being carried out during the period September 2018 to March 2019 at Arvi situated in district Wardha of Maharashtra State. It is one of the rural area of Vidarbha, situated in central part of India. The climate is hot and dry. It is a perennial lake, rich in aquatic vegetation and harbours several kinds of birds in all the season. Grassland area, herb, shrub and tree located in the vicinity of lake that provided food and shelter to these birds. It is being suggested that the avian are important for the ecosystem as they play various role as scavengers, pollinators and predators of insects pest.

The present study is carried out to prepare the checklist of birds and to find out their occurrence and also create the awareness for conservation of the biodiversity of avian fauna of Arvi, District. Wardha.

## **AIMS AND OBJECTIVE :**

1. To organize the field work on and survey of birds to extend our knowledge
2. To encourage people to save birds and keep records
3. To study and identify common birds and uncommon birds .
4. To become familiar with a birds identification with the help of field guide
5. To learn more information to reflect and then display the effect on some aspect of our environment, influence and/or relation of birds in their own world such as crop population, the phenomenon of migration, detailed of habitat requirement etc.

## **OBSERVATION AND STUDY OF BIRDS :**

<b>Sr.No .</b>	<b>Types of birds</b>	<b>Common Name of Birds</b>
1.	<b>Common birds</b>	<ol style="list-style-type: none"><li>1. Indian Roller</li><li>2. Black Drongo</li><li>3. Indian Golden Oriole</li><li>4. Indian River Tern</li><li>5. Asian Koel</li><li>6. Common Lora</li><li>7. Common Kingfisher</li><li>8. Common Hoopoe</li><li>9. Common Myna</li><li>10. Common Sandpiper</li><li>11. Common Tailorbird</li><li>12. House Sparrow</li><li>13. Baya Weaver</li><li>14 .Lesser Golden Back</li></ol>
2	<b>Birds of Prey</b>	<ol style="list-style-type: none"><li>1. Oriental Honey-Buzzard</li><li>2. Shikra</li></ol>

		3. Black-Shouldered Kite 4. Crested Serpent Eagle
3	<b>Upland Ground Birds</b>	1. Indian Peafowl 2. Laughing Dove 3. Rock Pigeon
4	<b>Night Birds</b>	1. Barn Owl 2. Spotted Owlet
5	<b>Migratory Birds</b>	1. Ruddy Shelduck 2. Red-Crested Pochard 3. Spot-Billed Duck
6	<b>Waders</b>	1. Bar-tailed Godwit 2. Black-Winged Stilt 3. Cattle Egret 4. Glossy Ibis 5. Woolly-Necked Stork

## **METHODOLOGY:**

Sarangpuri lake is one of the small water-body located in the in the area of vicinity of Arvi , District- Wardha. It shows avian biodiversity which can attract the attention of bird watcher and ornithologist. The lake is surrounded by vast area of aquatic vegetation around this lake trees, herbs and shrubs is located with same stretch of grassland area. This lake itself fits for aquatic ecosystem.

- Regular field surveys was carried out in the near by area of Arvi range from September 2018 to March 2019 in order to document the habitats and their occurrence and checklist of the birds.
- The survey was carried out at different seasons/month so as to obtain identifiable birds and their information.



- Making preliminary survey of all common and uncommon birds found in around the Sarangpuri lake as well as in water-body of lake
- Collecting information of birds from forest officer as well as field guide
- Frequent visit to the selected side at fixed regular interval.
- The present list is the outcome of birds observation carried out in the vicinity of Sarangpuri lake between 2018 and 2019 spread over the month of October to March.
- The birds were in all major habitat, their morphological features, body colour were noted by using a pair of binoculars and photographed it by DSLR camera.
- The identified bird were recorded for their status along with habitat type. The scientific name and species were identified using relevant and standard literature.



Oriental Honey - Buzzard



Common Lora





Oriental Honey-Buzzard



Common Myna



Indian Golden Oriole



Common Kingfisher



Asian Koel



Shikara



Crested Serpent Eagle



Spotted Owlet

## **CONCLUSION :**

The present study is carried out in the vicinity in and around the Sarngpuri lake to prepare the check list of birds and also to find out their occurrence. The aim of the study is to create the awareness among people for their conservation; of course it is need of the day to conserve the biodiversity avian fauna of Tahsil Arvi, District Wardha which is one of the polluted area of Arvi. There i also a need to conserve ample amount of avian food in and around the lake.

Most of the avian species are resident migrant and very few are migrant. The present work established the richness of Sarangpuri lake in respect of bird fauna which is excellent indicator of ecological health. However the future of avian fauna is in danger due to aquatic pollution and disturbance of visitors around the lake. So this project work is important to study and maintained the record of birds, their habitat, their food etc. This project study can be handed to the forest Department so that they can get information of different varieties of birds. The forest department can take further steps to conserve the Sarangpuri habitat and avoid deforestation. Conservation of birds for future study is very much important. Lastly this study may provide a source of literature to Ornithologist.

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