

## AVIFAUNAL DIVERSITY AROUND FRESH WATER TANK KASARI, TAL- SHAHUWADI, DIST- KOLHAPUR.

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### Abstract:

*Birds act as important member of various ecosystems. They are integral part of different food chains. Many bird species found around aquatic ecosystem. The present investigation is to demonstrate Bird diversity around Kasari dam. The Avifaunal Diversity around the fresh water tank Kasari is studied for one year between June 2016 to May 2017. Total 45 different bird species were recorded. These species belongs to 26 families and 11 orders. The order Passeriformes was dominated with 11 families and 21 species. After that Coraciiformes contains 4 Families with 5 species. Then Ciconiiformes was containing 2 Families and 5 Species. Order of Dominance was Passeriformes > Coraciiformes > Ciconiiformes.*

### Introduction:

The Birds improves human life by many different ways. A good feeding relation occurs between Plants, Birds and Human. Birds has aesthetic role and it also occupies special position in food chain. About 13% birds of all over the world found in India. Thus India is a mega diverse area for birds. It constitutes about 1301 bird species (Ali 2012). Various workers studied bird diversity around different aquatic ecosystem such as Randive S.R. and et.al. (2015) reported 55 bird species which belongs to 30 families and 14 Orders from Walekhindi Tank from Jat Taluka, Dist- Sangli. A list of 95 bird species belonging to 48 families is recorded at Dhandoba Hill forest and its surrounding area dist- Sangli (S.B. More 2016). Sathe and Pawar (2005) reported 72 bird species from Sagarshwar Sanctuary dist- Sangli. Kumbhar et.al. (2009) reported 99 bird species around Krishna River near Sangli city. 24 Bird species were recorded at Nimbavade reservoir of Sangli district (Patil Alka 2015). R.V. Hippargi and et.al.(2012) has given information about population and breeding status of avifauna in highly fragmented grassland patch near Sholapur city (M.S. India). A list of 148 bird species in Sholapur district with their abundance related with different regions is demonstrated by zoological survey of India (1989). Present research work carried out in Kasari freshwater tank, Tal – Shahuwadi, Dist. Kolhapur (M.S.) India.

### Study Area:

Present research work carried out in Kasari freshwater tank, Tal –Shahuwadi, Dist. Kolhapur (M.S.) India. Kasari is earthen medium irrigation tank constructed in 2006. It supplies water to 61 villages of Panhala and Shahuwadi talukas. The catchment area of the tank is 32.28 square km.

### Material and methods:

The survey was carried out for one year from June 2016 to May 2017. The Birds were observed from early morning to late evening. The Birds were observed monthly and seasonally. The Birds were observed by using a field Binocular (7 X 25 magnifications). For the identification of Birds standard Literature was used such as Ali S. and Ripley S.D. (1995), Grimmet et.al.(1999) and Ali S(2002).



Result:

Table No. 18 Indicates Bird diversity around Kasari Dam, Tal- Shahuwadi, Dist – Kolhapur (M.S.) India.



Sr.No.	Scientific Name	Common Name	Order	Family
1	<i>Ardeola grayii</i>	Pond Heron	Ciconiiformes	Ardeidae
2	<i>Bubulcus ibis</i>	Cattle Egret	Ciconiiformes	Ardeidae
3	<i>Egretta garzetta</i>	Little Egret	Ciconiiformes	Ardeidae
4	<i>Pseudibis papillosa</i>	Black Ibis	Ciconiiformes	Threskiornithidae
5	<i>Platalea leucorodia</i>	Spoon Bill	Ciconiiformes	Threskiornithidae
6	<i>Tadorna ferruginea</i>	Brahminy Duck	Anseriformes	Anatidae
7	<i>Anas crecca</i>	Common Teal	Anseriformes	Anatidae
8	<i>Elanus caeruleus</i>	Black winged Kite	Falconiformes	Accipitridae
9	<i>Milvus migrans</i>	Pariah Kite	Falconiformes	Accipitridae
10	<i>Accipiter badius</i>	Indian Shikra	Falconiformes	Accipitridae
11	<i>Vanellus indicus</i>	Redwattled Lapwing	Charadriiformes	Charadriidae
12	<i>Himantopus himantopus</i>	Black Winged Stilt	Charadriiformes	Recurvirostridae
13	<i>Columba livia</i>	Blue Rock Pigeon	Columbiformes	Columbidae
14	<i>Streptopelia decaocto</i>	Ring Dove	Columbiformes	Columbidae
15	<i>Psittacula krameri</i>	Roseringed Parakeet	Psittaciformes	Psittacidae
16	<i>Eudynamis scolopacea</i>	Koel	Cuculiformes	Cuculidae
17	<i>Centropus sinensis</i>	Crow-pheasant	Cuculiformes	Cuculidae
18	<i>Athene brama</i>	Spotted Owlet	Strigiformes	Strigidae
19	<i>Alcedo atthis</i>	Small Blue Kingfisher	Coraciiformes	Alcedinidae
20	<i>Halcyon smyrnensis</i>	Whitebreasted Kingfisher	Coraciiformes	Alcedinidae
21	<i>Merops orientalis</i>	Indian Small green Bee Eater	Coraciiformes	Meropidae
22	<i>Upupa epops</i>	Hoopoe	Coraciiformes	Upupidae
23	<i>Tockus birostris</i>	Grey Hornbill	Coraciiformes	Bucarotidae
24	<i>Megalaima haemacephala</i>	Crimsonbreasted Barbet	Piciformes	Capitonidae
25	<i>Eremopterix grisea</i>	Ashycrowned Finch-Lark	Passeriformes	Alaudidae
26	<i>Ammomanes phoenicurus</i>	Rufoustailed Finch-Lark	Passeriformes	Alaudidae
27	<i>Hirundo rustica</i>	Common Swallow	Passeriformes	Hirundinidae
28	<i>Lanius excubitor</i>	Indian Grey Shrike	Passeriformes	Laniidae



29	<i>Lanius vittatus</i>	Baybacked Shrike	Passeriformes	Laniidae
30	<i>Dicrurus adsimilis</i>	King Crow	Passeriformes	Dicruridae
31	<i>Sturnus pagodarum</i>	Brahminy Myna	Passeriformes	Sturnidae
32	<i>Acriditheres tristis</i>	Indian Myna	Passeriformes	Sturnidae
33	<i>Corvus splendens</i>	House Crow	Passeriformes	Corvidae
34	<i>Corvus macrorhynchos</i>	Jungle Crow	Passeriformes	Corvidae
35	<i>Pycnonotus cafer</i>	Redvented Bulbul	Passeriformes	Pycnonotidae
36	<i>Turdoidas caudatus</i>	Common Babbler	Passeriformes	Muscicapidae
37	<i>Turdoides malcolmi</i>	Large Grey Babbler	Passeriformes	Muscicapidae
38	<i>Copsychus saularis</i>	Magpie-Robin	Passeriformes	Muscicapidae
39	<i>Saxicoloides fulicata</i>	Black Robbin	Passeriformes	Muscicapidae
40	<i>Motacilla flava</i>	Yellow Wagtail	Passeriformes	Motacillidae
41	<i>Motacilla caspica</i>	Grey Wagtail	Passeriformes	Motacillidae
42	<i>Motacilla maderaspatensis</i>	Large Pied Wagtail	Passeriformes	Motacillidae
43	<i>Nectarinia asiatica</i>	Purple Sun Bird	Passeriformes	Nectariniidae
44	<i>Passer domesticus</i>	House Sparrow	Passeriformes	Ploceidae
45	<i>Ploceus Philippinus</i>	Baya Weaver-Bird	Passeriformes	Ploceidae

Table No. 2 : Indicating number of species and families belongs to different orders

Sr.No.	Name of Order	Number of Families	Number of Species
1	Ciconiiformes	2	5
2	Anseriformes	1	2
3	Falconiformes	1	3
4	Charadriiformes	2	2
5	Columbiformes	1	2
6	Psittaciformes	1	1
7	Cuculiformes	1	2
8	Strigiformes	1	1
9	Coraciiformes	4	5
10	Piciformes	1	1
11	Passeriformes	11	21
<b>Total</b>	<b>11</b>	<b>26</b>	<b>45</b>

**Discussion:**

Total 45 different bird species were recorded. These species belongs to 26 families and 11 orders. The order Passeriformes was dominated with 11 families and 21 species. After that Coraciiformes contains 4 Families with 5 species. Then Ciconiiformes was containing 2 Families and 5 Species. Order of Dominance was Passeriformes > Coraciiformes > Ciconiiformes.


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