

Vol 4 Issue 5 June 2014

ISSN No : 2230-7850

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**International Multidisciplinary  
Research Journal**

*Indian Streams  
Research Journal*

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RNI MAHMUL/2011/38595

ISSN No.2230-7850

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## ORNITHOFAUNA OF SOLAPUR (MS), INDIA

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**Abstract:**-Birds are the vital organisms in ecosystem which they are having with an important position in the animal kingdom. The present study deals with the diversity and check list of species of Aves in and around Solapur, Maharashtra, India. The work was carried out during the year 2011-2013. In this investigation 235 species belonging to 59 families are reported. And this is an updated investigation will give fruitful benefits for further study.

**Keywords:**Ornithofauna, Biodiversity, Birds, Grassland, Solapur, Maharashtra.

### INTRODUCTION

Birds are the marvelous creature of nature and they are the most powerful and widespread flying animals. They are a major component of the world's biodiversity by virtue of their vast numbers of both species and population. These flying wonders are important determinants of earth's ecological processes. In recent times, no one has clear cut idea exactly to how many species are present on the earth today. Various estimates of the number of species worldwide range from 3-100 million. (Stork, 1988; May, 1992; Raven and Wilson, 1992; Mora et al., 2011) In India as compare to world number of species 1232 out of 9026 i.e. 13.66% of world avian fauna. ([www.wikipedia.org](http://www.wikipedia.org)) The present project was undertaken to study, to record and update the bird's faunal diversity of this area, so this it may provide fruitful data for future work.

### MATERIAL AND METHODS:

The study area comes under south region of Maharashtra. The forest types are semi arid biotope, open scrublands, grasslands and southern tropical thorn forest (Champian and Seth, 1968). The district Solapur (17° 41'N 75°E, 457m above MSL) lies entirely in Bhima-Sina basins, just before the Bhima river leaves Maharashtra state to enter into Karnataka state. The area is bound Longitudes the average temperature and humidity during study period was 17°C-25°C and 55-85% respectively.

As concern to the floral diversity in our interested area is rich. The arboreal flora of Solapur corporation area has largest number of plant species belonging to the family Mimosacea followed by Caesalpinacea (Suryavanshi and Bachukar, 2001). The surrounding is cultivated with *Sorghum vulgare*, *Cajanus cajan*, and vegetables. During the study observations were made by walking through line transect method. The surveys were carried out from January 2011 to December 2013 with regular intervals of a month.

In Solapur there are some interesting spots having with a special features of habitat viz. Wetland, Grassland, Well wooded area with a good plantation. As Solapur is dominated with grassland habitat five main spots we observed randomly those are Hiraj (H) 17°42'21"N 75°49'14"E It is situated adjacent 5 km to NH-9 Solapur – Pune highway a good grassland patch with the well plantation of glyricidia is also at corner end this place a deep and long canal is flowing. Degoan (D) 17°66'96"N 75°87'39"E it is having with some marshy places too. Nearly 30 km north south to Solapur in taluka akkalkot a small village having with a good grassland patches and a healthy lake named as Chapalgoan (C) 17°36'51"N 76°09'36"E. This sight also under taken to observations in random interval of time. Including some adjacent area Jawaharlal Nehru Great Indian Bustard sanctuary (JNS) 17°48'50"N 75°51'40". Following that Hipparga lake (HPL) 17°44'01"N 75°55'22"E it is also known as Ekrak lake it is situated 6km northeast of city has water spread in 4640 acres. It is one of the historical and percolation tank. This lake

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is abundant for many species of fishes (Battul et.al., 2007). Sambhaji lake (SL) 17°38'48"N 75°54'04"E is located approximately centered in city it is surrounded with residencies roadways and rail tracks hence it has a very disturbed area for birds. But it has a good corner of protected garden by the government. So it gives a good shelter to roost for many species of bird. Hotagi lake (HTL) 17°36'02"N 75°51'43"E is also a large lake. It has good habitat for mollusks. According to (Shaikh et. al., 2011) 11 species of mollusks are dominating this lake hence it is also a healthy wetland for bird survive. From 30 km to Solapur in Akkalkot taluka a dam is situated near village Kurnur hence it known as 'Kurnur Dam'(K) 17°37'00"N 76°12'49"E. It is again a large water reservoir touching a huge are of agriculture. As concern to the well wooded or thick plantation a 300 acres reserved forest popularly known as Siddheshwar Reserve Forest (SRF) 17°62'00"N 75°88'67"E this reserve is a unique place of interest in dense area among all the spots. It has huge wealth of floral diversity.

Birds were sighted by pair of binocular (Minolta-7x35mm) and photographed (Nikon-P90) for proper bird records and identified by Ali, (1996) and Grimmett *et al.*, (2001). The scientific and local names of the recorded species are given as per Manakadan and Pittie (2001). And the details of occurrence and abundance of each species he is shown as

\*\*\*\*=Abundant. \*\*\*=Spare. \*\*=Few. \*=Rare.

#### **RESULTS AND DISSCUSSION:**

The study revealed 235 species of birds spreading over 18 avian orders and belonging to 59 families. Out of them 51 species were recorded least, 44 species are few while 50 are in spare condition and remaining 91 species are surviving with abundance to environment of Solapur. Out of 59 families Muscicapidae represents dominant.

**Table : List of avian orders and families of birds in Solapur with the number of species reported respectively.**

<b>Order</b>	<b>Family</b>	<b>Species count</b>
1. Podicipediformes	Podicipedidae	1
2. Pelicaniformes	Phalacrocoracidae	3
	Ahingide	1
3. Ciconiformes	Ardeidae	11
	Ciconiidae	3
	Threskiornithidae	4
4. Phoenicopteriformes	Phoenicopterida	1
5. Anseriformes	Anatidae	13
6. Falconiformes	Accipitridae	19
	Pandionidae	1
	Falconidae	6
7. Galliforms	Phasianidae	6
8. gruiformes	Turnicidae	1
	Gruidae	2
	Rallidae	12
	Otididae	1
9. Charadriformes	Jacanidae	2
	Rostrulidae	1
	Charadriidae	4
	Scolopacidae	11
	Recurvirostridae	2
	Burhinidae	2
	Glareolidae	3
	Laridae	6
	Ryhopidae	1
10. Columbiformes	Pteroclididae	1
	Columbidae	4
11. Psittaciiformes	Psittachidae	2
12. Cululiformes	Cululidae	7
13. Strigiformes	Tytonidae	1
	Strigidae	2
14. Caprimulgiformes	Caprimulgidae	1
15. Apodiformes	Apodidae	2

16. Coraciformes	Alcedinidae	3
	Meropidae	2
	Coraciidae	2
	Upupidae	1
	Bucerotidae	1
17. Piciformes	Capitonidae	1
	Picidae	2
18. Passeriformes	Pittidae	1
	Alaudidae	7
	Hirundinidae	4
	Motacillidae	15
	Campyphagidae	2
	Pycnonotidae	1
	Irenidae	2
	Laniidae	6
	Muscicapidae	26
	Paridae	1
	Nectariniidae	2
	Zosteropidae	1
	Emberizidae	2
	Estrildidae	4
	Passeridae	2
	Sturnidae	4
	Driolidae	1
	Docirodae	3
	Corvidae	2

**List of birds recorded in Solapur during 2011-2013**

**[ORDER]**

**Family**

Sr. No., Common Name, Zoological Name, Taxonomist with year, Site Name, Abundance]

**PODICIPEDIFORMES**

**Podicipedidae**

1. Little Grebe, *Tachybaptus ruficollis* (Pallas, 1764), All, \*\*\*\*

**PELECANIFORMES**

**Phalacrocoracidae**

2. Little Cormorant, *Phalacrocorax niger* (Vieillot, 1817), All, \*\*\*  
 3. Indian Shag, *Phalacrocorax fuscicollis* (Stephens, 1826), All, \*\*\*\*  
 4. Great Cormorant, *Phalacrocorax carbo* (Linnaeus, 1758), All, \*\*\*

**Anhingidae**

5. Darter, *Anhinga melanogaster* (Pennant, 1769), K, C, \*\*

**CICONIFORMES**

**Ardeidae**

6. Little Egret, *Egretta garzetta* (Linnaeus, 1766), All, \*\*\*\*  
 7. Western Reef-Egret, *Egretta gularis* (Bosc, 1792), HPL, \*  
 8. Large Egret, *Casmerodius albus* (Linnaeus, 1758), HPL, HTL, SL, \*\*\*  
 9. Median Egret, *Mesophoyx intermedia* (Wagler, 1829), All, \*\*\*  
 10. Cattle Egret, *Bubulcus ibis* (Linnaeus, 1758), All, \*\*\*\*  
 11. Indian Pond Heron, *Ardeola grayii* (Sykes, 1832), All, \*\*\*\*  
 12. Grey Heron, *Ardea cinerea* (Linnaeus, 1758), All, \*\*\*\*  
 13. Purple Heron, *Ardea purpurea* (Linnaeus, 1766), All, \*\*\*\*  
 14. Little Green Heron, *Butorides striatus* (Linnaeus, 1758), C, \*

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15. Black Crowned Night Heron, *Nycticorax nycticorax* (Linnaeus, 1758), C, K, HPL, \*\*  
16. Chestnut Bittern, *Ixobrychus cinnamomeus* (Gmelin, 1789), D, SL, C, \*\*

**Ciconiidae**

17. Painted Stork, *Mycteria leucocephala* (Pennant, 1769), All, \*\*\*\*  
18. Asian Openbill Stork, *Anastomus oscitans* (Boddaert, 1783), All, \*\*\*  
19. White necked Stork, *Ciconia episcopus* (Boddaert, 1783), All, \*\*\*\*

**Threskiornithidae**

20. Glossy Ibis, *Plegadis falcinellus* (Linnaeus, 1766), All, \*\*\*\*  
21. Oriental White Ibis, *Threskiornis melanocephalus* (Latham, 1790), All, \*\*\*\*  
22. Black Ibis, *Pseudibis papillosa* (Temminck, 1824), All, \*\*\*  
23. Eurasian Spoonbill, *Platalea leucorodia* (Linnaeus, 1758), All, \*\*\*\*

**PHOENICOPTERIFORMES**

**Phoenicopteridae**

24. Greater Flamingo, *Phoenicopterus ruber* (Linnaeus, 1758), HPL, HTL, K, \*\*

**ANSERIFORMES**

**Anatidae**

25. Lesser Whistling-Duck, *Dendrocygna javanica* (Horsfield, 1821), HPL, HTL, K, \*\*\*  
26. Bar-headed Goose, *Anser indicus* (Latham, 1790), HPL, \*\*  
27. Brahminy Shelduck, *Tadorna ferruginea* (Pallas, 1764), HPL, K, \*\*\*  
28. Comb Duck, *Sarkidiornis melanotos* (Pennant, 1769), HPL, SL, HTL, K, \*\*\*\*  
29. Pygmy Cotton Goose, *Nettapus coromandelianus* (Gmelin, 1789), SL, HPL, HTL, \*\*  
30. Gadwall, *Anas strepera* (Linnaeus, 1758), SL, HPL, HTL, \*\*\*  
31. Eurasian Wigeon, *Anas penelope* (Linnaeus, 1758), HPL, \*\*  
32. Spot-billed Duck, *Anas poecilorhyncha* (J.R. Forester, 1781), All, \*\*\*\*  
33. Northern Shoveller, *Anas clypeata* (Linnaeus, 1758), SL, HPL, HTL, K, \*\*\*  
34. Northern Pintail, *Anas acuta* (Linnaeus, 1758), HPL, HTL, \*\*\*  
35. Garganey, *Anas querquedula* (Linnaeus, 1758), HPL, SL, HTL, K, \*\*\*  
36. Common Teal, *Anas crecca* (Linnaeus, 1758), HPL, HTL, \*\*\*  
37. Common Pochard, *Aythya ferina* (Linnaeus, 1758), HTL, K, \*\*\*

**FALCONIFORMES**

**Accipitridae**

38. Oriental Honey-Buzzard, *Pernis ptilorhynchus* (Temminck, 1821), D, SRF, \*\*  
39. Black-shouldered Kite, *Elanus caeruleus* (Desfontaines, 1789), All, \*\*\*\*  
40. Black Kite, *Milvus migrans* (Boddaert, 1783), All, \*\*\*\*  
41. Egyptian Vulture, *Neophron percnopterus* (Linnaeus, 1758), H, \*  
42. Short-toed Snake-Eagle, *Circaetus gallicus* (Gmelin, 1788), All, \*\*\*\*  
43. Crested Serpent-Eagle, *Spilornis cheela* (Latham, 1790), SRF, \*  
44. Brahminy Kite, *Haliastur Indus* (Boddaert, 1783), All, \*\*\*\*  
45. Western Marsh-Harrier, *Circus aeruginosus* (Linnaeus, 1758), All, \*\*\*\*  
46. Pallid Harrier, *Circus macrourus* (S.G. Gmelin, 1770), JNS, \*\*  
47. Montagu's Harrier, *Circus pygargus* (Linnaeus, 1758), JNS, \*\*\*  
48. Shikra, *Accipiter badius* (Gmelin, 1788), All, \*\*\*\*  
49. Besra Sparrowhawk, *Accipiter virgatus* (Temminck, 1822), H, SRF, \*\*\*  
50. White-eyed Buzzard, *Butastur teesa* (Franklin, 1832), All, \*\*\*  
51. Long-legged Buzzard, *Buteo rufinus* (Cretzschmar, 1827), JNS, H, \*\*  
52. Greater Spotted Eagle, *Aquila clanga* (Pallas, 1811), HPL, \*  
53. Tawny Eagle, *Aquila rapax* (Temminck, 1828), HPL, JNS, \*\*\*  
54. Steppe Eagle, *Aquila nipalensis* (Hodgson, 1833), HPL, \*\*  
55. Bonelli's Eagle, *Hieraetus fasciatus* (Vieillot, 1822), GS, K, \*\*\*\*  
56. Lesser Spotted Eagle, *Aquila pomarina* (Brehm, 1831), HPL, \*

**Pandionidae**

57. Osprey, *Pandion haliaetus* (Linnaeus, 1758), HPL, K, \*\*

**Falconidae**

58. Common Kestrel, *Pandion haliaetus* (Linnaeus, 1758), HPL, K, \*\*  
59. Red-headed Falcon, *Falco chicquera* (Daudin, 1800), HPL, JNS, C, \*\*\*  
60. Amur Falcon, *Falco amurensis* (Radde, 1863), C, \*  
61. Laggar Falcon, *Falco jugger* (J.E. Gray, 1834), JNS, H, \*  
62. Peregrine Falcon, *Falco peregrinus* (Tunstall, 1771), D, K, \*\*  
63. Peregrine Falcon subspecies, *Falco peregrinus calidus*, D, \*

## GALLIFORMES

### Phasianidae

64. Grey Francolin, *Francolinus pondicerianus* (Gmelin, 1789), All, \*\*\*\*
65. Painted Francolin, *Francolinus pictus* (Jardine & Selby, 1828), SRF, JNS, \*\*\*
66. Rain Quail, *Coturnix coromandelica* (Gmelin, 1789), JNS, \*\*
67. Rock Bush-Quail, *Perdicula argoondah* (Sykes, 1832), JNS, \*\*
68. Red Junglefowl, *Gallus gallus* (Linnaeus, 1758), All, \*\*\*\*
69. Indian Peafowl, *Pavo cristatus* (Linnaeus, 1758), All, \*\*\*\*

### GRUIFORMES

#### Turnicidae

70. Small Buttonquail, *Turnix sylvatica* (Desfontaines, 1789), JNS, C, \*\*\*

#### Gruidae

71. Demoiselle Crane, *Grus virgo* (Linnaeus, 1758), HPL, HTL, \*\*\*
72. Common Crane, *Grus grus* (Linnaeus, 1758), HPL, HTL, \*\*

#### Rallidae

73. Water Rail, *Rallus aquaticus* (Linnaeus, 1758), D, \*
74. Brown Crake, *Amaurornis akool* (Sykes, 1832), D, HPL, \*\*
75. Little Crake, *Porzana parva* (Scopoli, 1769), D, \*
76. Baillon's Crake, *Porzana pusilla* (Pallas, 1776), D, HPL, \*\*
77. Ruddy-breasted Crake, *Porzana fusca* (Linnaeus, 1766), D, \*
78. Watercock, *Gallicrex cinerea* (Gmelin, 1789), D, \*\*
79. Purple Moorhen, *Porphyrio porphyrio* (Linnaeus, 1758), All, \*\*\*\*
80. Common Moorhen, *Gallinula chloropus* (Linnaeus, 1758), HPL, SL, \*\*\*\*
81. Common Coot, *Fulica atra* (Linnaeus, 1758), All, \*\*\*\*
82. White-breasted Waterhen, *Amaurornis phoenicurus* (Pennant, 1769), All, \*\*\*\*
83. Spotted Crake, *Porzana porzana* (Linnaeus, 1766), D, \*
84. Slaty Brested Rail, *Gallirallus striatus* (Linnaeus, 1845), D, \*

#### Gruidae

85. Great Indian Bustard, *Ardeotis nigriceps* (Vigors, 1831), JNS, \*

## CHARADRIIFORMES

### Jacanidae

86. Pheasant-tailed Jacana, *Hydrophasianus chirurgus* (Scopoli, 1786), SL, \*\*\*\*
87. Bronze-winged Jacana, *Metopidius indicus* (Latham, 1790), SL, \*

### Rostratulidae

88. Greater Painted-Snipe, *Rostratula benghalensis* (Linnaeus, 1758), D, \*\*

### Charadriidae

89. Little Ringed Plover, *Charadrius dubius* (Scopoli, 1786), HPL, HTL, K, \*\*\*\*
90. Kentish Plover, *Charadrius alexandrinus* (Linnaeus, 1758), HPL, \*
91. Yellow-wattled Lapwing, *Vanellus malabaricus* (Boddaert, 1783), H, C, JNS, \*\*\*
92. Red-wattled Lapwing, *Vanellus indicus* (Boddaert, 1783), All, \*\*\*\*

### Scolopacidae

93. Pintail Snipe, *Rostratula benghalensis* (Linnaeus, 1758), D, \*\*
94. Common Snipe, *Gallinago gallinago* (Linnaeus, 1758), D, \*\*\*\*
95. Jack Snipe, *Lymnocryptes minimus* (Brünnich, 1764), D, \*\*
96. Black-tailed Godwit, *Limosa limosa* (Linnaeus, 1758), HPL, \*\*\*\*
97. Common Redshank, *Tringa tetanus* (Linnaeus, 1758), HPL, \*\*\*
98. Common Greenshank, *Tringa nebularia* (Gunner, 1767), HPL, \*\*\*\*
99. Marsh Sandpiper, *Tringa stagnatilis* (Bechstein, 1803), HPL, \*\*\*
100. Green Sandpiper, *Tringa ochropus* (Linnaeus, 1758), HPL, \*\*\*
101. Wood Sandpiper, *Tringa glareola* (Linnaeus, 1758), HPL, \*\*\*\*
102. Common Sandpiper, *Actitis hypoleucos* (Linnaeus, 1758), HPL, \*\*\*\*
103. Little Stint, *Calidris minuta* (Leisler, 1812), HPL, K, \*\*\*\*

### Recurvirostridae

104. Black-winged Stilt, *Himantopus himantopus* (Linnaeus, 1758), All, \*\*\*\*
105. Pied Avocet, *Recurvirostra avosetta* (Linnaeus, 1758), HTL, \*

### Burhinidae

106. Stone-Curlew, *Burhinus oedicnemus* (Linnaeus, 1758), HPL, C, JNS, \*
107. Great Stone-Plover, *Esacus recurvirostris* (Cuvier, 1829), HPL, \*\*\*

### Glareolidae

108. Indian Courser, *Cursorius coromandelicus* (Gmelin, 1789), H, C, JNS, \*\*\*

109. Oriental Pratincole, *Glareola maldivarum* (J.R. Forster, 1795), HPL, HTL, \*  
110. Small Pratincole, *Glareola lacteal* (Temminck, 1820), HPL, \*\*\*\*

**Laridae**

111. Brown-headed Gull, *Larus brunnicephalus* (Jerdon, 1840), HPL, \*\*\*  
112. Black-headed Gull, *Larus ridibundus* (Linnaeus, 1766), HPL, \*\*\*  
113. Gull-billed Tern, *Gelochelidon nilotica* (Gmelin, 1789), HPL, HTL, SL, \*  
114. River Tern, *Sterna aurantia* (J.E. Gray, 1831), All, \*\*\*\*  
115. Little Tern, *Sterna albifrons* (Pallas, 1764), C, \*

116. Whiskered Tern, *Chlidonias hybridus* (Pallas, 1811), HPL, \*

**Rynchopidae**

117. Indian Skimmer, *Rynchops albicollis* (Swainson, 1838), K, \*

**COLUMBIFORMES**

**Pteroclidae**

118. Chestnut-bellied Sandgrouse, *Pterocles exustus* (Temminck, 1825), JNS, C, \*\*\*\*

**Columbidae**

119. Blue Rock Pigeon, *Columba livia* (Gmelin, 1789), All, \*\*\*\*  
120. Little Brown Dove, *Streptopelia senegalensis* (Linnaeus, 1766), All, \*\*\*\*  
121. Red Collared-Dove, *Streptopelia tranquebarica* (Hermann, 1804), SRF, JNS, \*\*  
122. Eurasian Collared-Dove, *Streptopelia decaocto* (Frivaldszky, 1838), All, \*\*\*

**PSITTACIFORMES**

**Psittacidae**

123. Rose-ringed Parakeet, *Psittacula krameri* (Scopoli, 1769), All, \*\*\*\*  
124. Plum-headed Parakeet, *Psittacula cyanocephala* (Linnaeus, 1766), SRF, \*

**CUCULIFORMES**

**Cuculidae**

125. Brainfever Bird, *Hierococcyx varius* (Vahl, 1797), All, \*\*\*\*  
126. Indian Plaintive Cuckoo, *Cacomantis passerinus* (Vahl, 1797), SRF, JNS, K, H, \*  
127. Pied Crested Cuckoo, *Clamator jacobinus* (Boddaert, 1783), All, \*\*\*  
128. Asian Koel, *Eudynamys scolopacea* (Linnaeus, 1758), All, \*\*\*\*  
129. Small Green-billed Malkoha, *Phaenicophaeus viridirostris* (Jerdon, 1840), SRF, K, SL, \*  
130. Sirkeer Malkoha, *Phaenicophaeus leschenaultia* (Lesson, 1830), SRF, K, \*  
131. Greater Coucal, *Centropus sinensis* (Stephens, 1815), All, \*\*\*\*

**STRIGIFORMES**

**Tytonidae**

132. Barn Owl, *Tyto alba* (Scopoli, 1769), All, \*\*\*

**Strigidae**

133. Eurasian Eagle-Owl, *Bubo bubo* (Linnaeus, 1758), JNS, H, \*\*  
134. Spotted Owlet, *Athene brama* (Temminck, 1821), All, \*\*\*\*

**CAPRIMULGIFORMES**

**Caprimulgidae**

135. Common Indian Nightjar, *Caprimulgus asiaticus* (Latham, 1790), All, \*\*\*

**APODIFORMES**

**Apodidae**

136. Asian Palm-Swift, *Cypsiurus balasiensis* (J.E. Gray, 1829), All, \*\*\*\*  
137. House Swift, *Apus affinis* (J.E. Gray, 1830), All, \*\*\*\*

**CORACIFORMES**

**Alcedinidae**

138. Small Blue Kingfisher, *Alcedo atthis* (Linnaeus, 1758), All, \*\*\*\*  
139. White-breasted Kingfisher, *Halcyon smyrnensis* (Linnaeus, 1758), All, \*\*\*\*  
140. Lesser Pied Kingfisher, *Ceryle rudis* (Linnaeus, 1758), HPL, HTL, SL, K, \*\*\*\*

**Meropidae**

141. Small Bee-eater, *Merops orientalis* (Latham, 1801), All, \*\*\*\*  
142. Blue-tailed Bee-eater, *Merops philippinus* (Linnaeus, 1766), K, C, \*\*

**Coraciidae**

143. European Roller, *Coracias garrulus* (Linnaeus, 1758), JNS, D, \*  
144. Indian Roller, *Coracias benghalensis* (Linnaeus, 1758), JNS, C, D, \*\*\*\*

**Upupidae**

145. Common Hoopoe, *Upupa epops* (Linnaeus, 1758), All, \*\*\*

**Bucerotidae**

146. Indian Grey Hornbill, *Ocyceros birostris* (Scopoli, 1786), All, \*\*\*\*

**PICIFORMES**

**Capitonidae**

147. Coppersmith Barbet, *Megalaima haemacephala* (P.L.S. Müller, 1776), All, \*\*\*

**Picidae**

148. Yellow-fronted Pied Woodpecker, *Dendrocopos mahrattensis* (Latham, 1801), SRF, \*\*

149. Eurasian Wryneck, *Jynx torquilla* (Linnaeus, 1758), SRF, HPL, \*\*

**PASSERIFORMES**

**Pittidae**

150. Indian Pitta, *Pitta brachyura* (Linnaeus, 1766), D, \*

**Alaudidae**

151. Singing Bush-Lark, *Mirafra cantillans* (Blyth, 1845), All, \*\*\*\*

152. Red-winged Bush-Lark, *Mirafra erythroptera* (Blyth, 1845), All, \*\*\*\*

153. Ashy-crowned Sparrow-Lark, *Eremopterix grisea* (Scopoli, 1786), All, \*\*\*\*

154. Rufous-tailed Finch-Lark, *Ammomanes phoenicurus* (Franklin, 1831), All, \*\*\*\*

155. Greater Short-toed Lark, *Calandrella brachydactyla* (Leisler, 1814), All, \*\*\*\*

156. Common Crested Lark, *Galerida cristata* (Linnaeus, 1758), JNS, H, C, \*\*\*\*

157. Sykes's Crested Lark, *Galerida deva* (Sykes, 1832), All, \*\*\*

**Hirundinidae**

158. Common Swallow, *Pitta brachyura* (Linnaeus, 1766), All, \*

159. Wire-tailed Swallow, *Hirundo smithii* (Leach, 1818), All, \*\*\*

160. Dusky Crag-Martin, *Hirundo concolor* (Sykes, 1833), K, \*\*\*

161. Red-rumped Swallow, *Hirundo daurica* (Linnaeus, 1771), All, \*\*\*\*

**Motacillidae**

162. White Wagtail, *Motacilla alba* (Linnaeus, 1758), All, \*\*\*\*

163. White Wagtail subspecies, *Motacilla alba leucopsis*, D, \*

164. White Wagtail subspecies, *Motacilla alba baicalensis*, D, \*\*

165. White Wagtail subspecies, *Motacilla alba dukhunensis*, D, \*\*

166. Yellow Wagtail, *Motacilla flava* (Linnaeus, 1758), All, \*\*\*\*

167. Yellow Wagtail subspecies, *Motacilla flava melanogrisea*, D, \*

168. Yellow Wagtail subspecies, *Motacilla flava superciliaris*, D, \*

169. Yellow Wagtail subspecies, *Motacilla flava plexa*, D, \*\*

170. Yellow Wagtail subspecies, *Motacilla flava leucocephala*, D, \*\*

171. Large Pied Wagtail, *Motacilla maderaspatensis* (Gmelin, 1789), All, \*\*\*\*

172. Citrine Wagtail, *Motacilla citreola* (Pallas, 1776), HPL, D, \*\*\*

173. Citrine Wagtail subspecies, *Motacilla citreola citreola*, D, \*

174. Forest Wagtail, *Dendronanthus indicus* (Gmelin, 1789), SRF, \*

175. Paddyfield Pipit, *Anthus rufulus* (Vieillot, 1818), All, \*\*\*\*

176. Eurasian Tree Pipit, *Anthus trivialis* (Linnaeus, 1758), D, SRF, \*\*

**Campephagidae**

177. Black-headed Cuckoo-Shrike, *Coracina melanoptera* (Rüppell, 1839), SRF, D, C, \*

178. Small Minivet, *Pericrocotus cinnamomeus* (Linnaeus, 1766), All, \*\*\*\*

**Pycnonotidae**

179. Red-vented Bulbul, *Pycnonotus cafer* (Linnaeus, 1766), All, \*\*\*\*

**Irenidae**

180. Common Iora, *Aegithina tiphia* (Linnaeus, 1758), All, \*\*\*\*

181. Marshall's Iora, *Aegithina nigrolutea* (Marshall, 1876), SRF, \*\*

**Laniidae,**

182. Brown Shrike, *Lanius cristatus* (Linnaeus, 1758), D, \*

183. Bay-backed Shrike, *Lanius vittatus* (Valenciennes, 1826), All, \*\*

184. Rufous-backed Shrike, *Lanius schach* (Linnaeus, 1758), All, \*\*\*

185. Southern Grey Shrike, *Lanius meridionalis* (Temminck, 1820), All, \*\*\*\*

186. Rufous-tailed Shrike, *Lanius isabellinus* (Hemprich & Erenberg, 1833), K, HPL, \*\*\*

187. Common Woodshrike *Tephrodornis pondicerianus* (Gmelin, 1789), SRF, K, JNS, \*\*\*

**Muscicapidae**

189. Asian Paradise-Flycatcher, *Terpsiphone paradisi* (Linnaeus, 1758), SRF, SL, C, \*\*

190. Blue Rock-Thrush, *Monticola solitarius* (Linnaeus, 1758), D, \*

191. Asian Brown Flycatcher, *Muscicapa dauurica* (Pallas, 1811), SRF, \*

192. A Flycatcher unidentified sp., *Muscicapa sp.*, SRF, \*

193. Tickell's Blue-Flycatcher, *Cyornis tickelliae* (Blyth, 1843), SRF, C, \*

194. Bluethroat, *Luscinia svecica* (Linnaeus, 1758), SRF, K, \*

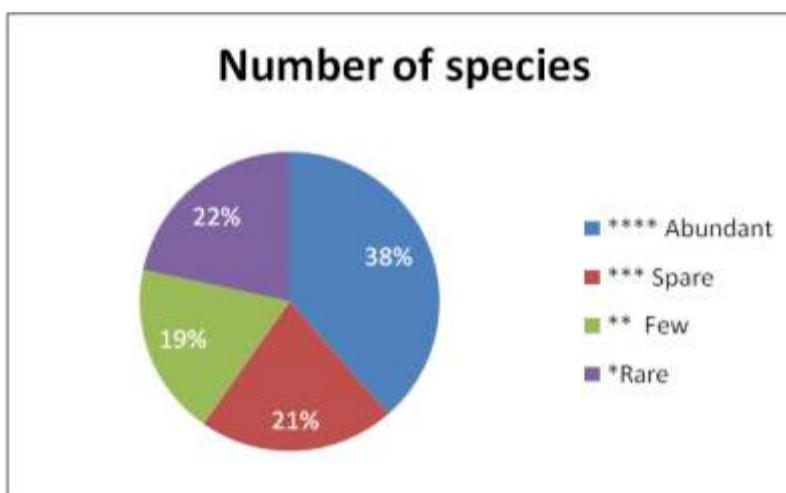
**Ornithofauna Of Solapur (MS), India**

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195. White-rumped Shama, *Copsychus malabaricus* (Scopoli, 1786), D, \*  
196. Indian Robin, *Saxicoloides fulicata* (Linnaeus, 1776), All, \*\*\*\*  
197. Black Redstart, *Phoenicurus ochruros* (Gmelin, 1774), HPL, C, \*\*  
198. Common Stonechat, *Saxicola torquata* (Linnaeus, 1766), HPL, JNS, H, \*\*\*  
199. Pied Bushchat, *Saxicola caprata* (Linnaeus, 1766), All, \*\*\*\*  
200. Desert Wheatear, *Oenanthe deserti* (Temminck, 1825), JNS, H, \*  
201. Rufous-fronted Prinia, *Prinia buchanani* (Blyth, 1844), HPL, C, \*\*  
202. Jungle Prinia, *Prinia sylvatica* (Jerdon, 1840), HPL, K, C, \*\*\*  
203. Plain Prinia, *Prinia inornata* (Sykes, 1832), All, \*\*\*\*  
204. Ashy Prinia, *Prinia socialis* (Sykes, 1832), All, \*\*\*\*  
205. Streaked Fantail-Warbler, *Cisticola juncidis* (Rafinesque, 1810), All, \*\*\*\*  
206. Brown Bush-Warbler, *Bradypterus luteoventris* (Hodgson, 1845), D, \*\*\*  
207. Blyth's Reed-Warbler, *Acrocephalus dumetorum* (Blyth, 1849), SRF, \*\*\*\*  
208. Indian Great Reed-Warbler, *Acrocephalus stentoreus* (Hemprich & Ehrenberg, 1833), HPL, \*\*\*\*  
209. Orphean Warbler, *Sylvia hortensis* (Gmelin, 1789), D, \*  
210. Common Tailorbird, *Orthotomus sutorius* (Pennant, 1769), All, \*\*\*\*  
211. Yellow-eyed Babbler, *Chrysomma sinense* (Gmelin, 1789), JNS, H, C, \*\*\*  
212. Large Grey Babbler, *Turdoides malcolmi* (Sykes, 1832), All, \*\*\*\*  
213. Jungle Babbler, *Turdoides striatus* (Dumont, 1823), SRF, C, \*\*  
214. White-browed Fantail-Flycatcher, *Rhipidura aureola* (Lesson, 1830), D, \*  
**Paridae**  
215. Great Tit, *Parus major* (Linnaeus, 1758), All, \*\*\*  
**Nectariniidae**  
216. Purple-rumped Sunbird, *Nectarinia zeylonica* (Linnaeus, 1766), All, \*\*\*\*  
217. Purple Sunbird, *Nectarinia asiatica* (Latham, 1790), All, \*\*\*\*  
**Zosteropidae**  
218. Oriental White-eye, *Zosterops palpebrosus* (Temminck, 1824), SRF, C, \*\*  
**Emberizidae**  
219. Red-headed Bunting, *Emberiza bruniceps* (Brandt, 1841), SRF, C, \*\*  
220. Grey-necked Bunting, *Emberiza buchanani* (Blyth, 1845), HPL, C, \*\*  
**Estrildidae**  
221. Red Munia, *Amandava amandava* (Linnaeus, 1758), All, \*\*\*  
222. White-throated Munia, *Lonchura malabarica* (Linnaeus, 1758), All, \*\*\*\*  
223. Spotted Munia, *Lonchura punctulata* (Linnaeus, 1758), All, \*\*\*\*  
224. Black-headed Munia, *Lonchura malacca* (Linnaeus, 1766), HPL, D, C, K, \*\*  
**Passeridae**  
225. House Sparrow, *Passer domesticus* (Linnaeus, 1758), All, \*\*\*\*  
226. Baya Weaver, *Ploceus philippinus* (Linnaeus, 1766), All, \*\*\*\*  
**Sturnidae**  
227. Brahminy Starling, *Sturnus pagodarum* (Gmelin, 1789), All, \*\*\*\*  
228. Rosy Starling, *Sturnus roseus* (Linnaeus, 1758), All, \*\*\*\*  
229. Common Myna, *Acridotheres tristis* (Linnaeus, 1766), All, \*\*\*\*  
**Oriolidae**  
230. Eurasian Golden Oriole, *Oriolus oriolus* (Linnaeus, 1758), All, \*\*  
**Dicruridae,,,**  
231. Black Drongo, *Dicrurus macrocercus* (Vieillot, 1817), All, \*\*\*\*  
232. Ashy Drongo, *Dicrurus leucophaeus* (Vieillot, 1817), D, \*  
233. White-bellied Drongo, *Dicrurus caerulescens* (Linnaeus, 1758), D, JNS, \*  
**Corvidae**  
234. House Crow, *Corvus splendens* (Vieillot, 1817), All, \*\*\*\*  
235. Common Raven, *Corvus corax* (Linnaeus, 1758), All, \*\*

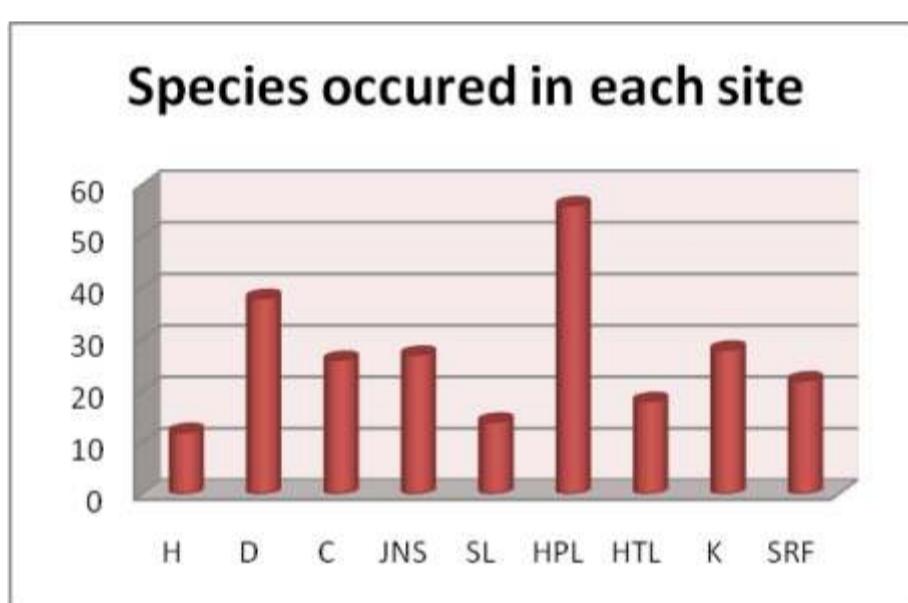
**Ornithofauna Of Solapur (MS), India**

Occurrence	Number of species
**** Abundant	91
*** Spare	50
** Few	44
*Rare	51



**Table 3:** Table showing the number species occurred in each site.

SITE	H	D	C	JNS	SL	HPL	HTL	K	SRF
SPECIES	12	38	26	27	14	56	18	28	22



The pioneer study of birds of the Deccan has been done by Davidson and Wender (1878) about Solapur district done by Mahabal (1989) the reported 148 species in which Black necked stork, Crested hawk Eagle, Booted hawk Eagle, White back vulture, Longbilled vulture, Green pigeon, Blossom headed Parakeet, Small green Barbet, Jungle Myna, Fantail flycatcher, Lesser whitethroat, Leaf Warbler, Rock Pipit, Grey Wagtail, Rosefinch and Crested bunting is further unreported by Khan (2012), Gaikwad *et al.*, (1997) and Kshirsagar (2011) and our present report also. Black rumped Flameback is reported by Khan (2012) but not by all others. In case of Indian Pitta as it is a forest bird (Ali, 1996) recorded by Khan (2012), Kshirsagar (2011), and in 1997 a check list of birds was published by Gaikwad and Shah. According to them there were 274 species recorded.

During the present investigation species belongs to Ardeidae mostly prefer all our interested spot but Western Reef Egret *Egretta gularis* is recorded only at HPL while Little Green Heron *Butorides striatus* at Chapalgoan only. According to Patil (2012) Ardeidae is dominating family at Ganesh Lake of Barshi which situated in same district. Ardeidae and Alcedidae are abundance at Hingani-Pangoan reserve at Barshi (Gavhane 2013). About ducks one species Spot billed duck *Anas poecilorhyncha* prefer all the spots where water damp was observed while Bar-headed Goose *Anser indicus* and Eurasian Wigeon *Anas penelope* recorded at only HPL and other all ducks prefer wetlands. As concern to the flying meat eaters it shows second dominating family. An endangered Egyptian vulture *Neophron percnopterus* recorded only at Hiraj where Oriental Honey Buzzard *Pernis ptilorhynchus* and Crested Serpent Eagle *Spilornis cheela* is recorded at SRF. Vulnerable Greater

#### **Ornithofauna Of Solapur (MS), India**

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Spotted Eagle *Aquila clanga* were reported at HPL only. Amur Falcon *Falco amurensis* were reported at Chapalgoan only. World's fastest bird Peregrine Falcon *Falco peregrinus* were also reported but only at two spots Degoan and Kurnur with that a subspecies *Falco peregrinus calidus* were also significantly and newly reported.

Rallidae is one of the donating family with significant habitat preferred by respective species. At the spot Degoan only. Water Rail *Rallus aquaticus*, Little Crake *Porzana parva*, Ruddy breasted Crake *Porzana fusca* and Water Cock *Gallicrex cinerea* these were newly recorded in present study. Scolopacidae is one of another specialized family about site Degoan. Where Pintail Snipe *Rostratula benghalensis*, Common Snipe *Gallinago gallinago*, Jack Snipe *Lymnocryptes minimus* and Greater Painted Snipe *Rostratula benghalensis* of *Rostratulidae* were reported regularly and others are at HPL. According to Hippargi et al., (2012) 139 species reported out of those 14 species shows breeding behavior at HPL. Motacillidae is one of the interesting bird families during our study because were 3 subspecies of White Wagtail Motacilla alba and 4 subspecies and a subspecies of Citrine Wagtail Motacilla citreola and Yellow wagtail Motacilla flava were reported at only site Degoan. Blue rock Thrush Monticola solitarius, White rump Shama *Copsychus malabaricus*, Brown bush Warbler *Bradypterus luteoventralis*, Orphean Warbler *Sylvia hortensis* and White breasted Fantail Flycatcher *Rhipidura aureola*, a unidentified flycatcher species *Muscicapa* sp. and Blyth's reed Warbler *Acrocephalus dumetorum* is observed at SRF only. Over all on above there is a good relation of habitat preference and respective bird reported as like endemism habitat site.

#### **CONCLUSION:**

Overall from present investigation we can conclude that this is new and update report of ornithological fauna in and around Solapur (MS) India. And definitely this will give more faithful benefits for future studies on birds of this area.

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