



Avifaunal diversity around Vaibhavwadi Tehsil, District Sindhudurg. (M.S.) India.

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Abstract:-

The present study work was carried out in and around Vaibhavwadi tehsil, district Sindhudurg, Maharashtra state. Vaibhavwadi is located in western ghat region. The present investigation was carried out during March 2020 to April 2021 for one year. Total 96 bird species were recorded from 16 different Orders at Vaibhavwadi Tahasil. Most of the species were from order Passeriformes. Study area is healthy and suitable habitat for birds. The present study work is carried out to provide basic information and to add basic data about avifaunal diversity around Vaibhavwadi which will be a proper document for conservation strategies and research related future activities.

Keywords: - Vaibhavwadi, Avifaunal diversity, Sindhudurg, Western Ghats.

Introduction:-

The diversity of birds reflects the quality of environment in the particular area. Birds are wild creature that can easily spotted in almost each environment. They are active energetic bipedal and feathered creature. They are playing an important role as pollinators, plant seed consumers and insect predators. The present study was aimed to determine the species and diversity of avifauna found around the Vaibhavwadi tehsil. This study work will be helpful in preparing a basic data of bird diversity. Also, this fundamental information is important to grow the bird watching track at Vaibhavwadi.

Study area:-

Vaibhavwadi is located in Western Ghats, which is one of the Biodiversity hotspot in the world. The study area Vaibhavwadi is a part of Northern Western Ghats situated in Konkan region of Sindhudurg district. Sindhudurg district is famous for tourism because of its richness of biodiversity & magnificent geographical location. All sides of Vaibhavwadi are surrounded by dense vegetation. Vaibhavwadi is located between two rivers i.e. Sukh and Shanti. Sukh River flows from east and Shanti River from west. Waterfowl Birds were observed at Nadhavade dam, Nadhavade Umala, Kokisare Umala, Bramhanwadi mandir area, Napane waterfall, Sukh river region and Shanti river region. The coordinates for Vaibhavwadi are 16°29'47'N & 73°44'45'E.



Image: - Google map of Vaibhavwadi Tahasil.

Materials and methods:-

The sites were sampled randomly. All the observations of avifauna were opportunistic. The survey was conducted early in morning or at evening, occasionally night survey was conducted. Bird calls and

flying birds were also considered for documentation. Also Nikon D3400 Camera was used for spotting birds. Birds were identified by using various field guides. The present investigation was carried out during March 2020 to April 2021 for one year.

Results and discussion**Table-1: Checklist of birds observed in study area.**

Sr.No	Common Name	Scientific name	Family	Order
1)	Crested Serpent eagle	<i>Spilornis cheela</i>	Accipitridae	Accipitriformes
2)	Shikra	<i>Accipiter badius</i>	Accipitridae	Accipitriformes
3)	Black eagle	<i>Ictinaetus malaiensis</i>	Accipitridae	Accipitriformes
4)	Black winged kite	<i>Elanus caeruleus</i>	Accipitridae	Accipitriformes
5)	Pariah Kite	<i>Milvus migrans</i>	Accipitridae	Accipitriformes
6)	Clamorous Reed warbler	<i>Acrocephalus stentoreus</i>	Acrocephalidae	Passeriformes
7)	Common Babbler	<i>Turdoides caudatus</i>	Acrocephalidae	Passeriformes
8)	Large grey babbler	<i>Turdoides malcolmi</i>	Acrocephalidae	Passeriformes
9)	Indian Scimitar Babbler	<i>Pomatorhinus horsfieldti</i>	Acrocephalidae	Passeriformes
10)	Rufus-tailed Finch Lark	<i>Ammomanes phoenicurus</i>	Alaudidae	Passeriformes
11)	Ashy prinia	<i>Prinia socialis</i>	Cisticolidae	Passeriformes
12)	Ashy drongo	<i>Dicrurus leucophaeus</i>	Corvidae	Passeriformes
13)	Asian Paradise-Flycatcher	<i>Terpsiohone naradisi</i>	Corvidae	Passeriformes
14)	Black drongo	<i>Dicrurus macrocercus</i>	Corvidae	Passeriformes
15)	White billed drongo	<i>Dicrurus caerulescens</i>	Corvidae	Passeriformes
16)	Black hooded oriole	<i>Oriolus xanthornus</i>	Corvidae	Passeriformes
17)	Black-naped oriole	<i>Oriolus chinensis</i>	Corvidae	Passeriformes
18)	Common lora	<i>Aegithina tihia</i>	Corvidae	Passeriformes
19)	House crow	<i>Corvus splendens</i>	Corvidae	Passeriformes
20)	Jungle Crow	<i>Corvus macrorhynchos</i>	Corvidae	Passeriformes
21)	Scarlet Minivet	<i>Pericrocotus tlammeus</i>	Corvidae	Passeriformes
22)	Small minivet	<i>Pericrocotus cinnamomeus</i>	Corvidae	Passeriformes
23)	White spotted fantail	<i>Rhipidura albogularis</i>	Corvidae	Passeriformes
24)	White-browed Fantail	<i>Rhoidura aureola</i>	Corvidae	Passeriformes
25)	Rufous Treepie	<i>Dendrocitta vagabunda</i>	Corvidae	Passeriformes
26)	Asian koel	<i>Eudynamis scolopaceus</i>	Cuculidae	Passeriformes
27)	Common cuckoo	<i>Cuculus canorus</i>	Cuculidae	Passeriformes
28)	Common hawk Cuckoo	<i>Hierococyx varius</i>	Cuculidae	Passeriformes
29)	Jacobin cuckoo	<i>Clamator jacobinus</i>	Cuculidae	Passeriformes

30)	Jungle myna	<i>Acridotheres fuscus</i>	sturnidae	Passeriformes
31)	Common myna	<i>Acridotheres tristis</i>	sturnidae	Passeriformes
32)	Yellow-browed Bulbul	<i>Iole indica</i>	Pycnonotidae	Passeriformes
33)	Red-whiskered Bulbul	<i>Pycnonotusjocosus</i>	Pycnonotidae	Passeriformes
34)	Red-vented Bulbul	<i>Pycnonotuscafer</i>	Pycnonotidae	Passeriformes
35)	Yellow-throated Sparrow	<i>Petronia xanthocollis</i>	Passeridae	Passeriformes
36)	Yellow Wagtail	<i>Motacila lava</i>	Passeridae	Passeriformes
37)	Paddy field Pipit	<i>Anthus rutulus</i>	Passeridae	Passeriformes
38)	Baya weaver	<i>Ploceus philippinus</i>	Passeridae	Passeriformes
39)	Scaly breasted munia	<i>lonchura punctulata</i>	Passeridae	Passeriformes
40)	White Wagtail	<i>Motacilla alba</i>	Passeridae	Passeriformes
41)	Purple Sunbird	<i>Nectarinia asiatica</i>	Nectariniidae	Passeriformes
42)	Crimson-backed Sunbird	<i>Nectarinia minima</i>	Nectariniidae	Passeriformes
43)	Purple rumped sun bird	<i>Leptocoma zeylonica</i>	Nectariniidae	Passeriformes
44)	Plain flowerpicker	<i>Dicaeum minullum</i>	Nectariniidae	Passeriformes
45)	Tickell's Blue Flycatcher	<i>Cvornis tickelliae</i>	Muscicapidae	Passeriformes
46)	Rufous-tailed Flycatcher	<i>Muscicapa ruficauda</i>	Muscicapidae	Passeriformes
47)	Pied Chat	<i>Oenanthe picata</i>	Muscicapidae	Passeriformes
48)	Oriental Magpie-Robin	<i>Cotisvchus sau/aris</i>	Muscicapidae	Passeriformes
49)	Orange headed thrush	<i>Zoothera citrina</i>	Muscicapidae	Passeriformes
50)	Indian robin	<i>Saxicoloides fulicatus</i>	Muscicapidae	Passeriformes
51)	Common bush chat	<i>Saxicola caprata</i>	Muscicapidae	Passeriformes
52)	Blue-capped Rock Thrush	<i>Monticola cinclorhyncha</i>	Muscicapidae	Passeriformes
53)	Jungle Babbler	<i>Turdoides striata</i>	Leiotrichidae	Passeriformes
54)	Wire tailed swallow	<i>Hirundo smithii</i>	Hirundinidae	Passeriformes
55)	Plain Martin	<i>Riparia paludicola</i>	Hirundinidae	Passeriformes
56)	Great tit	<i>Parus major</i>	Paridae	Passeriformes
57)	Common Barn owl	<i>Tyto alba</i>	Tytonidae	Strigiformes
58)	plum headed parakeet	<i>Psittacula cyanocephala</i>	Psittacidae	Pittaciformes
59)	Rose-ringed Parakeet	<i>Psittacula krameri</i>	Psittacidae	Pittaciformes
60)	Grey Junglefowl	<i>Gallus sonneratii</i>	Phasianidae	Galliformes
61)	Indian peafowl	<i>pavo cristatus</i>	Phasianidae	Galliformes
62)	jungle bush quill	<i>perdicula asiatica</i>	Phasianidae	Galliformes
63)	Red Spurfowl	<i>Galloperdix spadicea</i>	Phasianidae	Galliformes
64)	White breasted water hen	<i>Amaurornis Phoenicurus</i>	Rallidae	Galliformes
65)	Common flame back	<i>Dinopium javanense</i>	Picidae	Piciformes
66)	Brown headed barbet	<i>Megaloima viridis</i>	Megalaimidae	Piciformes
67)	Coppersmith	<i>Megalaima</i>	Megalaimidae	Piciformes

	barber	<i>haemacephala</i>		
68)	Brown-headed Barbet	<i>Psilooaon zevlanicus</i>	Megalaimidae	Piciformes
69)	Spotted dove	<i>Spilopelia chinensis</i>	Columbidae	Columbiformes
70)	Laughing Dove	<i>Spilopelia senegalensis</i>	Columbidae	Columbiformes
71)	Blue Rock Pigeon	<i>Columba livia</i>	Columbidae	Columbiformes
72)	Emerald Dove	<i>Chalcophaps indica</i>	Columbidae	Columbiformes
73)	Oriental Turtle Dove	<i>Streptaoelia orientalis</i>	Columbidae	Columbiformes
74)	Common Hoopoe	<i>Upupa epops</i>	Upupidae	Bucerotiformes
75)	Common kingfisher	<i>Alcedo atthis</i>	Alcedinidae	Coraciiformes
76)	White-breasted Kingfisher	<i>Halcvon smyrnensis</i>	Alcedinidae	Coraciiformes
77)	Green Bee-eater	<i>Merops orienta/is</i>	Meropidae	Coraciiformes
78)	Pied Kingfisher	<i>Ceryle rudis</i>	Alcedinidae	Coraciiformes
79)	Indian Roller	<i>Coracias benahalensis</i>	Coraciidae	Coraciiformes
80)	Chestnut bee eater	<i>Merops leschenaulti</i>	Meropidae	Coraciiformes
81)	Little Egret	<i>Egretta garzetta</i>	Ardeidae	Apodiformes
82)	Intermediate egret	<i>Ardea intermedia</i>	Ardeida	Apodiformes
83)	Indian Pond Heron	<i>Ardeola aravii</i>	Ardeidae	Apodiformes
84)	Cattle egret	<i>Ardea purpurea</i>	Ardeidae	Apodiformes
85)	House Swift	<i>Apus aftinis</i>	Apodidae	Apodiformes
86)	Malabar grey hornbill	<i>Ocyrceros griseus</i>	Bucerotidae	Bucerotiformes
87)	Great Hornbill	<i>Buceros bicornis</i>	Bucerotidae	Bucerotiformes
88)	Malabar Pied Hornbill	<i>Anthraceroceros coronatus</i>	Bucerotidae	Bucerotiformes
89)	Greater Coucal	<i>Centronus sinensis</i>	Centronodidae	Caprimulgiformes
90)	Sykes's Nightjar	<i>Caorimulauis mahrattensis</i>	Caprimulzidae	Caprimulgiformes
91)	Indian Nightjar	<i>Caprimulgus asiaticus</i>	Caprimulzidae	Caprimulgiformes
92)	Red-wattled Lapwing	<i>Vanellus indicus</i>	Charadriidae	Charadriiformes
93)	River Tern	<i>Sterna aurantia</i>	Laridae	Charadriiformes
94)	Common Sandpiper	<i>Actitis hypoleucos</i>	Scolonacidae	Charadriiformes
95)	Indian cormorant	<i>Phalacrocorax fuscicollis</i>	Phalacrocoracidae	Suliformes
96)	Common kestrel	<i>Falco tinnunculus</i>	Falconidae	Falconiformes

Conclusion

Total 96 bird species were recorded from Vaibhavwadi Tahasil. Most of the species were from order Passeriformes. Total 51 species were recorded from order Passeriformes. Six species were observed from order Coraciiformes. Five species were observed from order Accipitriformes, order Galliformes, order Columbiformes and order Apodiformes each. Four species were observed from order Piciformes. Three species were observed from order Bucerotiformes, order Caprimulgiformes, order Charadriiformes each. Two species

were observed from order Pittaciformes. And one species were observed from order Strigiformes, order Bucerotiformes, order Suliformes, order Falconiformes each. Vaibhavwadi is a healthy habitat for birds.

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