PARIPEX - INDIAN JOURNAL OF RESEARCH | Volume - 10 | Issue - 10 | October - 2021 | PRINT ISSN No. 2250 - 1991 | DOI : 10.36106/paripex

ORIGINAL RESEARCH PAPER

Sournal or Posearch Paripert

AVIFAUNAL DIVERSITY OF NIHARI TAWI RIVER IN DISTRICT RAJOURI, JAMMU AND KASHMIR UT, INDIA

KEY WORDS:Nihari Tawi, Aquatic, Ecological, Avifauna, Siot (J&K).

Environmental Science

Gurdeep Kumar Lecturer in Environmental Sciences (J&K Govt.). Dr. Ranjan Research Associate in INTACH.

ABSTRACT

An avifaunal survey was conducted at river Nihari Tawi, district Rajouri in Jammu and Kashmir for one and half year, starting from November 2015 to April 2017. The study reveals a rich avian diversity and a total of 122 species of birds belonging to 50 families were identified. As the water of the Nihari Tawi rich in dissolved oxygen and supports variety of aquatic fishes makes it suitable for birds and attracts many migratory birds in the particular region during the winters. Continuous monitoring of the avifaunal diversity is required to evaluate the ecological status of the birds and their habitats. Birds plays an important role in maintaining the ecological balance. Due to increase in urbanization and various anthropogenic activities, diversity and distribution of bird's species is on declining trend all over the globe. Therefore, it is our prime concern to conserve the avifaunal diversity for maintaining the nature's balance.

INTRODUCTION

Avifaunal diversity is one of the most essential ecological indicators to evaluate the quality of habitats. Now a days, diversity of bird's species has been decreasing due to various anthropogenic activities, rapid increase in urbanization and random destruction of natural habitats by cutting nesting trees and using plants for commercial use of woods and lands. Thus, many species of birds may be forced to make their habitat in the urban areas and urge them to breed there. Birds are found throughout the world, at approximately all altitudes and in nearly every climate. Understanding the diversity and structure of bird communities is essential to delineate the importance of regional or local landscapes for avian conservation. Moreover, seasonal monitoring is very important to trace the dynamic movement of birds in various habitats.Water birds have attracted the attention of the public and researchers because of their beauty, abundance, visibility and social behavior, as well as for their recreational and economic importance. Recently, water birds have become of interest as indicators of water quality and as parameters of restoration success and regional biodiversity.

Birds may be influenced by various geographical conditions (Karr, 1976). Water bodies such as wetlands, ponds, lakes, etc. are important conservation site due to rich biodiversity and are among the most productive ecosystems worldwide. They harbor many globally threatened species (Green, 1996; Petrie, 1998). Diverse wetland complex are of greatest value in providing habitat for aquatic bird species (Miller, 2003). The avifauna is important for the ecosystem as they play various roles as scavenger, pollinators and predators of insect pest (Padmavati, et. al., 2010)

During the last few decades considerable studies on avifaunal diversity from different water bodies of India have been carried out by researchers like Singh (1929), Ali (1932), Davidar (1985), Ghazi (1962), Mujumdar (1984), Ghosal (1995) and Wadatkar and Kasambe (2002).

Sohil and Sharma (2019) recorded 207 bird species belonging to 63 families in and around Jammu (J&K); Malik and Sheikh (2020) recorded 64 species of birds belonging to 34 families in Tehsil Gool, district Ramban (J&K).

STUDY AREA

District Rajouri is one of the 10 districts in Jammu division of Jammu and Kashmir (UT) and is divided into thirteen Tehsils (13). This stretch of Nihari Tawi lies between tehsil Siot and Kalakote situated at 33° 06 40.37 N to 33° 12 59.73 N latitude and 74° 22 30.73 E to 74° 29 46.25 E longitude with an elevation ranging from 500-1000 m a.m.s.l.

www.worldwidejournals.com

This river is fed by intermittent streams in form of *nallas* and *khads*. This area is surrounded by mixed pine forest and the scrubby hills.

MATERIALS AND METHODOLOGY

The study was conducted for a period of one and half year by using binocular, Nikon DSLR/ Canon EOS 700D camera, etc. which was later verified with the available literature on avian diversity such as Grimmet *et.* al., 1999; Salim Ali, 2002 and Grewal *et.* al., 2016.

Bird's identification is bit challenging process as they are very active/ energetic. Quick eye spotting is required in order to get a detail of the particular bird species. Recognition of birds is done by observing their movement, feeding habits, habitats, specific voice calls, shape, size, etc.

RESULTS AND DISCUSSION

There are total 122 bird species were identified belonging to 50 families during the study period from November 2015 to April 2017. The identified avian diversity is listed below in Table 1.

Table 1: List of Avifaunal diversity found in the study area

S. No.	Family	Scientific Name	Common Name
1	Accipitridae	Milvus migrans	black kite
2	Accipitridae	Accipiter nisus	euracian sparrow hawk
3	Accipitridae	Accipiter badius	shikra
4	Accipitridae	Buteo buteo	common buzzard
5	Accipitridae	Neophron percnopterus	egyptian vulture
6	Accipitridae	Pernis ptilorhynchus	oriental honey buzzard
7	Accipitridae	Gyps bengalensis	white rumped vulture
8	Accipitridae	Gyps himalayensis	himalayan griffon
9	Accipitridae	Elanus axillaris	white shouldered kite
10	Alaudidae	Galerida cristata	crested lark
11	Alcedinidae	Megaceryle lugubris	crested kingfisher
12	Alcedinidae	Halcyon smyrnensis	white throted kingfisher
13	Apodidae	Tachymarptis melba	alpine swift
14	Ardeidae	Ardeola grayii	indian pond heron
15	Ardeidae	Egretta garzetta	little egret

PARIPEX - INDIAN JOURNAL OF RESEARCH | Volume - 10 | Issue - 10 | October - 2021 | PRINT ISSN No. 2250 - 1991 | DOI : 10.36106/paripex

_	Ardeidae	Bubulcus ibis	cattle egret
	Ardeidae	Ardea cinerea	grey heron
			• •
_	Ardeidae	Ardea purpurea	purple heron
-	Bucerotidae	Ocyceros birostris	Indian grey hornbill
20	Certhiidae	Certhia	bar tailed tree
		himalayana	creeper
21	Cettidae	Horornis fortipes	brown flanked bush
			wabler
00	Chana duii da a	Vanellus	
22	Charadriidae		yellow wattled
		malabaricus	lapwing
23	Charadriidae	Vanellus indicus	red wattled lap wing
24	Cisticolidae	Orthotomus	common tailor bird
	- Dirothauto	sutorius	
0.5	Cintinglides		
	Cisticolidae	Prinia socialis	ashy prinia
26	Cisticolidae	Prinia hodgsonii	grey brested prinia
27	Cisticolidae	Prinia crinigera	himalayan prinia
-	Columbidae	Spilopelia	spotted dove
20	Columbidae	chinensis	sponed dove
29	Columbidae	Streptopelia	red collared dove
		tranquebarica	
30	Columbidae	Columba livia	rock dove
	Coraciidae	Coracias	indian roller
51	Soraciiude		maian ionei
		benghalensis	-
32	Corvidae	Corvus splendens	house crow
33	Corvidae	Corvus	large billed crow
		macrorhynchos	
34	Corvidae	Corvus	jungle crow
		culminatus	J
0.0	C		
35	Corvidae	Dendrocitta	rufous tree pie
		vagabunda	
36	Corvidae	Dendrocitta	grey treepie
		formosae	
37	Corvidae	Garrulus	black headed jay
01	COIVIdae	lanceolatus	Diack lieaded Jay
	~		
38	Cuculidae	Hierococcyx	common hawk cucko
		varius	
39	Cuculidae	Cuculus canorus	common cuckoo
40	Cuculidae	Cuculus	indian cuckoo
40			
	Ouounduo	micropierus	
41		micropterus	nivles av an alles ha
41	Cuculidae	Taccocua	sirkeer malkoha
	Cuculidae	-	
		Taccocua	sirkeer malkoha asian koel
	Cuculidae	Taccocua leschenaultii	
42	Cuculidae Cuculidae	Taccocua leschenaultii Eudynamys scolopaceus	asian koel
42	Cuculidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus	
42	Cuculidae Cuculidae Cuculidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis	asian koel greater coucal
42	Cuculidae Cuculidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus	asian koel
42 43 44	Cuculidae Cuculidae Cuculidae Dicruridae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis	asian koel greater coucal
42 43 44	Cuculidae Cuculidae Cuculidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus	asian koel greater coucal
42 43 44	Cuculidae Cuculidae Cuculidae Dicruridae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus	asian koel greater coucal black drongo
42 43 44	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus	asian koel greater coucal black drongo ashy drongo
42 43 44	Cuculidae Cuculidae Cuculidae Dicruridae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus	asian koel greater coucal black drongo
42 43 44 45 46	Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus	asian koel greater coucal black drongo ashy drongo hair crested drongo
42 43 44 45 46 47	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting
42 43 44 45 46 47	Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting
42 43 44 45 46 47 48	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting
42 43 44 45 46 47 48	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting
42 43 44 45 46 47 48 49	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae Emberizidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura punctulata	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting scally brested munning
42 43 44 45 46 47 48 49	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura punctulata Euodice	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting
42 43 44 45 46 47 48 49	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae Emberizidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura punctulata	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting scally brested munning
42 43 44 45 46 47 48 49 50	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae Emberizidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura punctulata Euodice	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting scally brested munni- indian silverbill
42 43 44 45 46 47 48 49 50	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae Emberizidae Estrildidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura punctulata Euodice malabarica Lonchura	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting scally brested munni- indian silverbill
42 43 44 45 46 47 48 49 50 51	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae Estrildidae Estrildidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura punctulata Euodice malabarica Lonchura punctulata	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting scally brested munni- indian silverbill scaly breasted munia
42 43 44 45 46 47 48 49 50 51 52	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae Estrildidae Estrildidae Estrildidae Falconidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura punctulata Euodice malabarica Lonchura punctulata Falco tinnunculus	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting scally brested munnia indian silverbill scaly breasted munia asian kestral
42 43 44 45 46 47 48 49 50 51 52	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae Estrildidae Estrildidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura punctulata Euodice malabarica Lonchura punctulata	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting scally brested munnia indian silverbill scaly breasted munia asian kestral yellow breasted
42 43 44 45 46 47 48 49 50 51 52	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae Estrildidae Estrildidae Estrildidae Falconidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura punctulata Euodice malabarica Lonchura punctulata Falco tinnunculus	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting scally brested munnia indian silverbill scaly breasted munia asian kestral
42 43 44 45 46 47 48 49 50 51 52 53	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae Estrildidae Estrildidae Estrildidae Falconidae Fringillidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura punctulata Euodice malabarica Lonchura punctulata Falco tinnunculus Chloris spinoides	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting scally brested munnia indian silverbill scaly breasted munia asian kestral yellow breasted
42 43 44 45 46 47 48 49 50 51 52 53	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae Estrildidae Estrildidae Estrildidae Falconidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura punctulata Euodice malabarica Lonchura punctulata Falco tinnunculus Chloris spinoides Carpodacus	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting scally brested munnia indian silverbill scaly breasted munia asian kestral yellow breasted greenfinch
42 43 44 45 46 47 48 49 50 51 52 53 54	Cuculidae Cuculidae Cuculidae Dicruridae Dicruridae Dicruridae Emberizidae Estrildidae Estrildidae Estrildidae Falconidae Fringillidae	Taccocua leschenaultii Eudynamys scolopaceus Centropus sinensis Dicrurus macrocercus Dicrurus leucophaeus Dicrurus hottentottus Emberiza lathami Emberiza stewarti Lonchura punctulata Euodice malabarica Lonchura punctulata Falco tinnunculus Chloris spinoides	asian koel greater coucal black drongo ashy drongo hair crested drongo crested bunting white capped bunting scally brested munnia indian silverbill scaly breasted munia asian kestral yellow breasted greenfinch

26

57			
	Hirundinidae	Petrochelidon	streak throated
58	Laniidae	fluvicola Lanius schach	swallow long tailed shrike
59		Leiothrix lutea	red billed leiothorix
60	Leiothrichidae	Argya caudata	common babbler
61	Leiothrichidae	Trochalopteron	streaked
		lineatum	laughingthrush
62	Leiothrichidae	Turdoides striata	jungle babbler
63	Megalaimidae	Psilopogon	coppersmith barbat
00	megalamiliaae	haemacephalus	coppersitini barbar
64	Megalaimidae	Psilopogon	blue throted barbet
04	Megalallilluae	asiaticus	
65	Megalaimidae	Psilopogon virens	great barbet
66	Meropidae	Merops orientalis	green bee eater
67	Monarchidae	Terpsiphone	Indian paradise
		paradisi	flycatcher
68	Motacillidae	Motacilla	white browed
00	motacimaac	maderaspatensis	wagtail
00	Motacillidae	Motacilla citreola	-
69			citrine wag tail
70	Motacillidae	Motacilla cinerea	grey wagtail
71	Muscicapidae	Rhyacornis	plumbeous water
		fuliginosa	redstart
72	Muscicapidae	Myophonus	blue whistling
-		caeruleus	thrush
73	Muscicapidae	Calliope	himalayan ruby
13	muscicapidae	-	
R 4	34	pectoralis	throat
74	Muscicapidae	Eumyias	verditer flycatcher
		thalassinus	
75	Muscicapidae	Copsychus	oriental magpie
		saularis	robin
76	Muscicapidae	Saxicoloides	indian robin
		fulicatus	
77	Muscicapidae	Chaimarrornis	white capped
11	Muscicapidae		redstart
80	20	leucocephalus	
78	Muscicapidae	Saxicola caprata	pied bushchat
79	Muscicapidae	Oenanthe fusca	brown rock chat
80	Muscicapidae	Ficedula tricolor	slaty blue flycatcher
81	Muscicapidae	Monticola	blue rock thrush
	-	solitarius	
82	Nectariniidae	Aethopyga	crimson sun bird
	mootarminaao	siparaja	ormbon bun bird
83	Nectariniidae	. ,	nurnle aun hird
		Cinnyris asiaticus	purple sun bird
84	Paradoxornithi	Chrysomma	yellow eyed
	dae	sinense	babbler
85	dae Paridae	sinense Parus cinereus	
85 86			babbler cinereous tit
	Paridae	Parus cinereus Passer	babbler
86	Paridae Passeridae	Parus cinereus Passer domesticus	babbler cinereous tit house sparrow
	Paridae	Parus cinereus Passer domesticus Passer	babbler cinereous tit
86 87	Paridae Passeridae Passeridae	Parus cinereus Passer domesticus Passer cinnamomeus	babbler cinereous tit house sparrow russet sparrow
86	Paridae Passeridae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum	babbler cinereous tit house sparrow
86 87	Paridae Passeridae Passeridae	Parus cinereus Passer domesticus Passer cinnamomeus	babbler cinereous tit house sparrow russet sparrow
86 87	Paridae Passeridae Passeridae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum	babbler cinereous tit house sparrow russet sparrow
86 87 88	Paridae Passeridae Passeridae Pellorneidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps	babbler cinereous tit house sparrow russet sparrow puff throted babbler
86 87 88 89	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant
86 87 88	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis	babbler cinereous tit house sparrow russet sparrow puff throted babbler
86 87 88 89 90	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin
86 87 88 89 90 91	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl
86 87 88 89 90	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin
86 87 88 89 90 91	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl
86 87 88 89 90 91	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl
86 87 88 89 90 91 92	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae Phasianidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura leucomelanos Pavo cristatus	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl kalij pheasant Indian Peafowl
86 87 88 89 90 91 92 93	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura leucomelanos Pavo cristatus Phylloscopus	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl kalij pheasant Indian Peafowl grey hooded
86 87 88 89 90 91 92 93 94	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae Phasianidae Phasianidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura leucomelanos Pavo cristatus Phylloscopus xanthoschistos	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl kalij pheasant Indian Peafowl grey hooded warbler
86 87 88 89 90 91 92 93	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae Phasianidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura leucomelanos Pavo cristatus Phylloscopus xanthoschistos	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl kalij pheasant Indian Peafowl grey hooded
86 87 88 89 90 91 92 93 94	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae Phasianidae Phasianidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura leucomelanos Pavo cristatus Phylloscopus xanthoschistos	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl kalij pheasant Indian Peafowl grey hooded warbler
86 87 88 89 90 91 92 93 94	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae Phasianidae Phasianidae Phasianidae Phylloscopidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura leucomelanos Pavo cristatus Phylloscopus xanthoschistos Phylloscopus humei	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl kalij pheasant Indian Peafowl grey hooded warbler
86 87 88 89 90 91 92 93 94 95	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae Phasianidae Phasianidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura leucomelanos Pavo cristatus Phylloscopus xanthoschistos Phylloscopus humei Phylloscopus	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl kalij pheasant Indian Peafowl grey hooded warbler humes leaf wabler
86 87 88 90 91 92 93 94 95 95 96	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae Phasianidae Phasianidae Phasianidae Phylloscopidae Phylloscopidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura leucomelanos Pavo cristatus Phylloscopus xanthoschistos Phylloscopus humei Phylloscopus collybita	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl kalij pheasant Indian Peafowl grey hooded warbler humes leaf wabler common chiffchaff
86 87 88 89 90 91 92 93 94 95	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae Phasianidae Phasianidae Phasianidae Phylloscopidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura leucomelanos Pavo cristatus Phylloscopus xanthoschistos Phylloscopus humei Phylloscopus collybita Dendrocopos	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl kalij pheasant Indian Peafowl grey hooded warbler humes leaf wabler common chiffchaff brown capped
86 87 88 89 90 91 92 93 94 93 94 95 96 97	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae Phasianidae Phasianidae Phasianidae Phylloscopidae Phylloscopidae Phylloscopidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura leucomelanos Pavo cristatus Phylloscopus xanthoschistos Phylloscopus humei Phylloscopus collybita Dendrocopos nanus	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl kalij pheasant Indian Peafowl grey hooded warbler humes leaf wabler common chiffchaff brown capped pygmy woodpecker
86 87 88 90 91 92 93 94 95 95 96	Paridae Passeridae Passeridae Pellorneidae Phalacrocoraci dae Phasianidae Phasianidae Phasianidae Phasianidae Phasianidae Phylloscopidae Phylloscopidae	Parus cinereus Passer domesticus Passer cinnamomeus Pellorneum ruficeps Phalacrocorax fuscicollis Ortygornis pondicerianus Gallus gallus Lophura leucomelanos Pavo cristatus Phylloscopus xanthoschistos Phylloscopus humei Phylloscopus collybita Dendrocopos	babbler cinereous tit house sparrow russet sparrow puff throted babbler indian cormorant grey francolin red jungle fowl kalij pheasant Indian Peafowl grey hooded warbler humes leaf wabler common chiffchaff brown capped

 \neg www.worldwidejournals.com

PARIPEX - INDIAN JOURNAL OF RESEARCH | Volume - 10 | Issue - 10 | October - 2021 | PRINT ISSN No. 2250 - 1991 | DOI : 10.36106/paripex

PARIPEX - INDIAN JOURNAL OF RESEARCH Volume - 10 Issue -					
99	Picidae	Leiopicus auriceps	brown fronted wood pecker		
100	Picidae	Dinopium benghalense	flameback wood pecker		
101	Psittacidae	Psittacula cyanocephala	plum headed parakeet		
102	Psittaculidae	Psittacula finschii	grey headed parakeet		
103	Psittaculidae	Psittacula eupatria	alexandrine parakeet		
		Psittacula krameri	rose ringed parakeet		
105	Pycnonotidae	Pycnonotus cafer	red vented bulbul		
	Pycnonotidae		yellow vented bulbul		
107	Rallidae	Zapornia akool	brown crake (jal kukdi)		
108	Rallidae	Amaurornis	white-breasted		
		phoenicurus	waterhen		
109	Rhipiduridae	Rhipidura albicollis	white throated fantail		
110	Scolopacidae	Tringa ochropus	green sandpiper		
111	-	Sitta cinnamoventris	chestnut bellied nuthatch		
112	Stenostiridae	Culicicapa ceylonensis	grey headed canary flycatcher		
113	Strigidae	Glaucidium cuculoides	asian barred owlet		
114	Sturnidae	Acridotheres ginginianus	bank myna		
115	Sturnidae	Acridotheres fuscus	jungle myna		
116	Sturnidae	Sturnia pagodarum	brahminy starling		
117	Sturnidae	Acridotheres tristis	common myna		
	Timaliidae	Erythrogenys	rusty cheeked		
		erythrogenys	scimitar babbler		
119	Troglodytidae		eurasian wren		
120	Turdidae	Turdus atrogularis	black throated thrush		
-	Upupidae	Upupa epops	euracian hoopoe		
	Zosteropidae		oriental white eye		
L	1	I	I		

CONCLUSION

It is concluded from the present study that the stretch along the Nihari Tawi River in District Rajouri has rich avifaunal diversity. There is also wide variety of plant and tree species which are present in the entire stretch of the study area may act as a suitable habitat for the avian diversity. Presently, this area is not much studied in view of avifaunal diversity and this study may highlighted the scope of avifaunal studies and helpful in conserving and maintaining the ecological balance. Further, it will plays a signi cant role in biodiversity documentation at the regional level, besides feeding into policy-making in the country.

REFERENCES:

- Ali, S. (1932). Flowers birds and birds flower in India, Journal of Bombay Natural History Society, 35:573-605.
- 2. Ali, S. (2002). The book of Indian birds. Bombay Natural History Society, India.
- Davidar, P. (1985). Ecological interactions between the mistletoes and their avian pollinators in south India, Journal of Bombay Natural History Society, 82:45-60.
- Ghazi, H.K. (1962). Piscivorous birds of Madras, Madras Journal of fisheries, 1(1):106-107.
 Ghosal, D.N. (1995). Avifauna of conservation areas. No. 7. Fauna of Kanha
- Guosai, J.N. (1939). Avitatina of conservation areas, No. 1, rauna of Kanha Tiger Reserve. Zoological survey of India (ZSI), pp 63-91.
 Green, A.J. (1996). Seasonal of clobally threatened anatidae in relation to
- Green, A.J. (1996). Seasonal of globally threatened anatidae in relation to theats, distribution, migration patterns and habitat use. Conservation Biology, 10:1435-1445.
- Grewal, B., Sen, S., Singh, S., Devasar, N. and Bhatia, G. (2016). A pictorial field guide to birds of India. Om Publications, India.
- Grimmet, R., Inskipp, C. and Inskipp, T. (1999). Pocket guide to the birds of the Indian subcontinent. Oxford university press, Delhi.
- Karr J.R. (1976). Seasonality resource availability and community diversity in tropical bird communities, American Naturalist, 105:423-435.

- Malik, W.S and Sheikh, T. (2020). A Preliminary Checklist of Birds in Tehsil Gool of District Ramban, Jammu and Kashmir. Journal of Wildlfe Research, 8(2):10-19.
- Miller, A.A. (2003). Influence of habitat characteristics on wetland birds abundance and species richness at Ordway Prairie, South Dakota. M.S. thesis, South Dakota state University. Ecology 80:1806-1816.
- Mujumdar, N. (1984). On a collection of birds from Bastar district, M.P. Record Zoological survey of India, Occasional paper No. 59:54.
- Padmavati, Å., Alexandar R. and Anbarashan, M. (2010). Our Nature, 8: 247-253.
- Petrie, S. A. (1998). Nutrient reserve dynamics, foraging strategies, molt whistling Ducks in South Africa. Ph. D. dissertation, University of the Witwatersrand Johannesburg, South Africa.
 Singh, T.C.N. (1929). A note of the pollination of Erythring Indica by birds.
- Singh, T.C.N. (1929). A note of the pollination of Erythring Indica by birds. Journal of Bombay Natural History Society, 33:960-462.
- Sohil, A. and Sharma, N. (2019). A preliminary Survey of Bird Communities around Jammu, (Jammu & Kashmir). Biological Forum – An International Journal, 11(2): 27-49. Wadatkar, J.S. and Kasambe, R. (2002). Checklist of Birds from Pohara-Malkhed reserve forest, Distt. Amravati, Maharashtra. Zoological. Print Journal, 17(66):807-811.