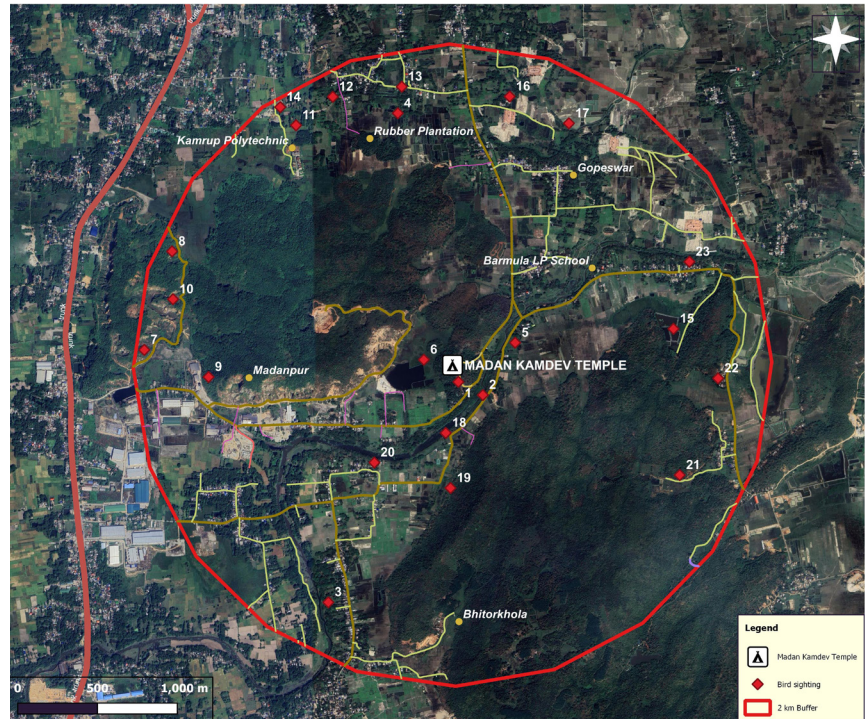


## A checklist of avian species spotted near Madan Kamdev temple, Assam, India

Assam, being rich in biodiversity, is hosting around 950 species of birds which includes both endemic and winter migrants. Madan Kamdev temple is a famous archaeological site that includes a group of dilapidated temples and unique sculptures that delineates ancient society and customs of Assam. Along with its neighbouring villages, entire region is divided into hills, plains and low-lying areas (Sharma et al. 2020). Apart from its historical importance, this region hosts a rich avifaunal diversity. Hence, the present study is intended to prepare a checklist of birds that are common to the study area.

The survey performed within 2 km radius range of Madan Kamdev temple (26.3195 N, 91.7420 E) located in Dewangiri Hill near Baihata Chariali of Kamrup District of Assam. The study area included hills, plains and low-lying areas falling within the proposed region. A continuous survey on avifaunal diversity in the



Google earth map showing study sites. Source: Google maps.

mentioned area was done during suitable weather conditions from January 2021 to August 2023 in the mornings (0600–1000 h) and afternoons (1300–1700 h) using Point Transect survey method given by Bibby et al. (2000). Photos of birds captured by Cannon EOS 200 DII camera, were identified using field guide (Grimmett et al. 2016) and their IUCN status was listed (Table 1).

Total 46 avian species belonging to 32 different

families were recorded in the survey. Families showing dominance are Sturnidae, Columbidae and Ardeidae, each having three species in that region. Out of 46, maximum species come under IUCN 'Least Concern' category, however, one 'Vulnerable' and one 'Near Threatened' species were also recorded in the survey (Table 1).

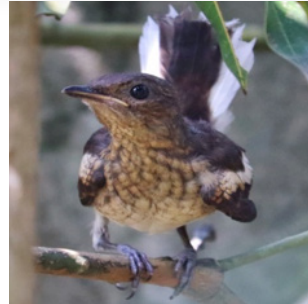
The current survey is the first attempt to list the avifaunal diversity within the mentioned area. Since this is a preliminary



*Aethopyga siparaja* (male).



*Aethopyga siparaja* (female).



*Copsychus saularis* (female).



*Porphyrion poliocephalus*.



*Dendrocygna javanica*.



*Copsychus saularis* (male).



*Streptopelia chinensis*.



*Acridotheres tristis*.



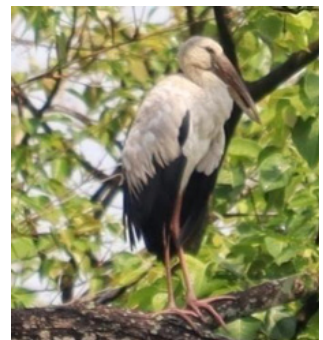
*Ardea intermedia*.



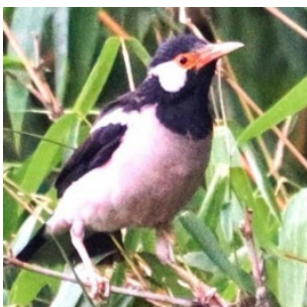
*Vanellus indicus*.



*Leptoptilos javanicus*.



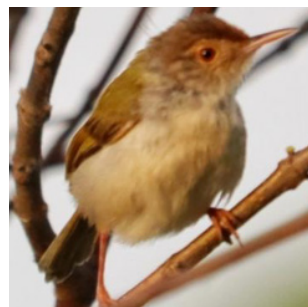
*Anastomus oscitans*.



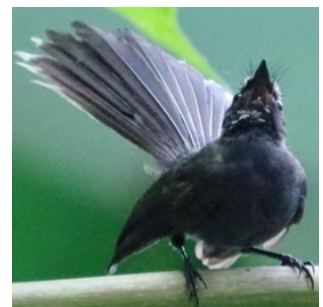
*Gracupica contra*.



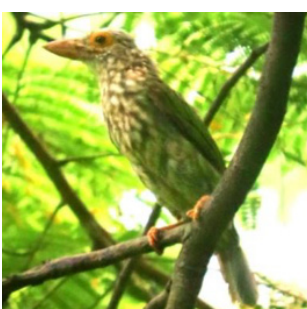
*Passer domesticus*.



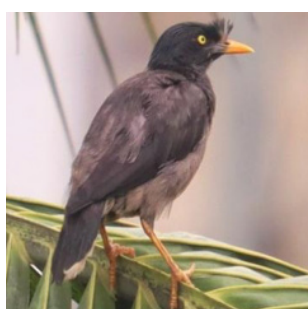
*Orthotomus sutorius*.



*Rhipidura javanica*.



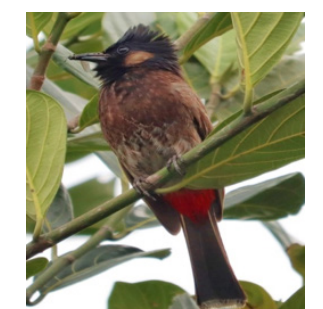
*Psilopogon lineatus*.



*Acridotheres fuscus*.



*Ardeola grayii*.



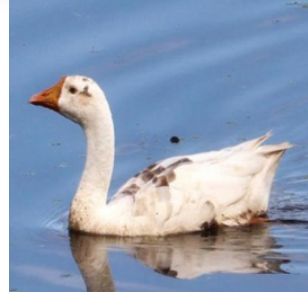
*Pycnonotus cafer*.



*Psittacula krameri.*



*Dinopium benghalense.*



*Anser sp.*



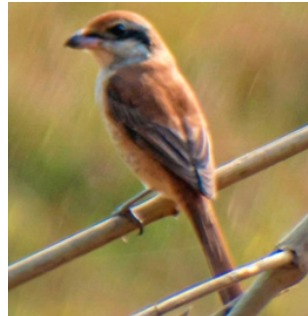
*Coracias affinis.*



*Anhinga melanogaster.*



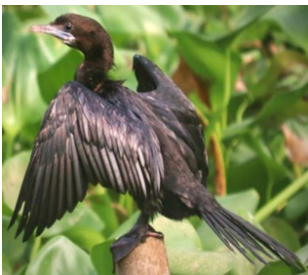
*Ploceus philippinus.*



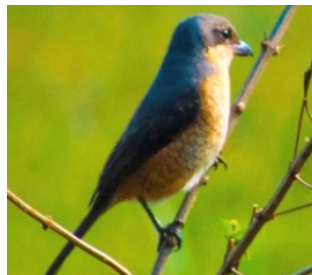
*Lanius cristatus.*



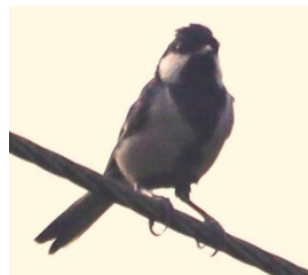
*Dicurus macrocerus.*



*Microcarbo niger.*



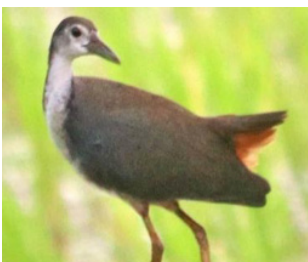
*Lanius tephronotus.*



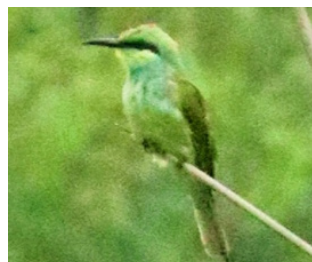
*Parus cinereus.*



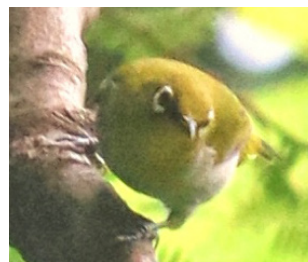
*Streptopelia decaocto.*



*Amaurornis phoenicurus.*



*Merops orientalis.*



*Zosterops palpebrosus.*



*Centropus sinensis.*



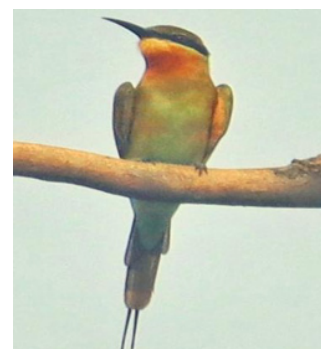
*Columba livia.*



*Ardea purpurea.*



*Hirundo rustica.*



*Merops philippinus.*



*Halcyon smyrnensis.*



*Aegithina tiphia.*



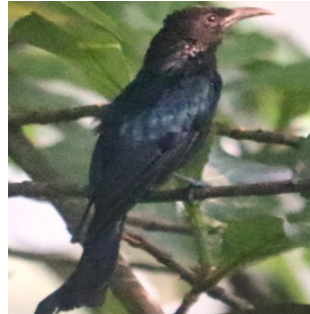
*Lonchura punctulata.*



*Oriolus xanthornus.*



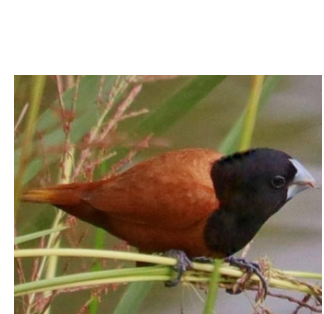
*Cacomantis merulinus.*



*Dicrurus hottentottus.*



*Corvus splendens.*



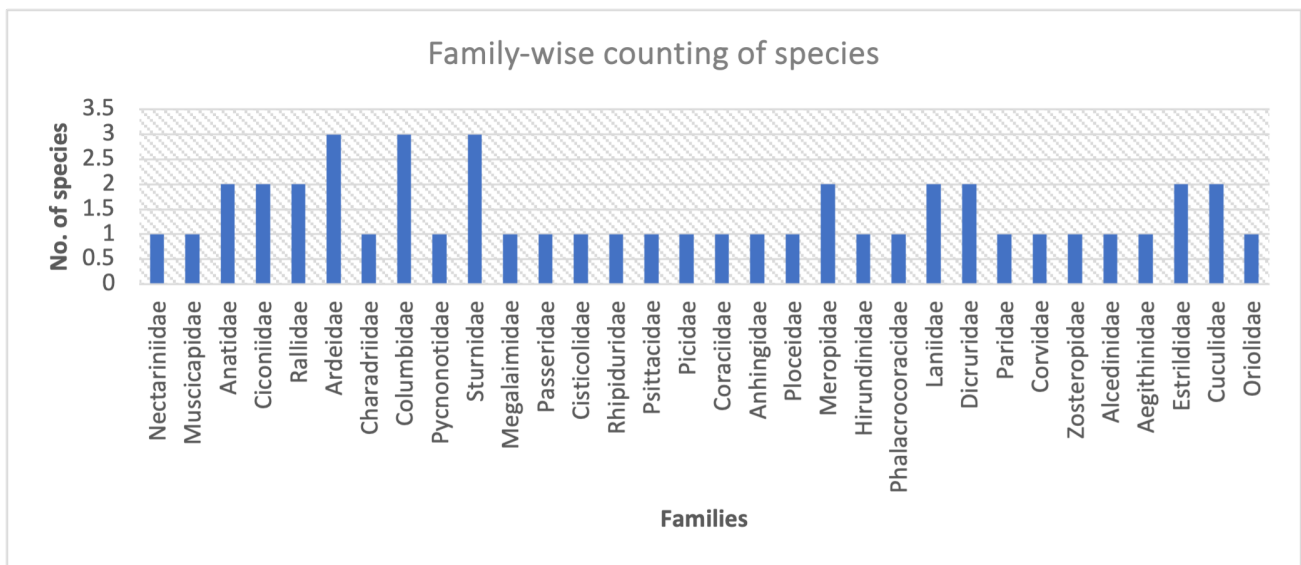
*Lonchura atricapilla.*

**Table 1. Checklist of birds of Madan Kamdev Temple.**

	Common name	Scientific name	Family	IUCN Red List status
1	Crimson Sunbird	<i>Aethopyga siparaja</i>	Nectariniidae	LC
2	Oriental Magpie-Robin	<i>Copsychus saularis</i>	Muscicapidae	LC
3	Lesser Whistling-Duck	<i>Dendrocygna javanica</i>	Anatidae	LC
4	Lesser Adjutant	<i>Leptoptilos javanicus</i>	Ciconiidae	VU
5	Asian Openbill	<i>Anastomus oscitans</i>	Ciconiidae	LC
6	Grey-headed Swampphen	<i>Porphyrio poliocephalus</i>	Rallidae	LC
7	Intermediate Egret	<i>Ardea intermedia</i>	Ardeidae	LC
8	Indian Pond-Heron	<i>Ardeola grayii</i>	Ardeidae	LC
9	Red-wattled Lapwing	<i>Vanellus indicus</i>	Charadriidae	LC
10	Spotted Dove	<i>Streptopelia chinensis</i>	Columbidae	LC
11	Red-vented Bulbul	<i>Pycnonotus cafer</i>	Pycnonotidae	LC
12	Indian Pied Starling	<i>Gracupica contra</i>	Sturnidae	LC
13	Common Myna	<i>Acridotheres tristis</i>	Sturnidae	LC
14	Jungle Myna	<i>Acridotheres fuscus</i>	Sturnidae	LC
15	Lineated Barbet	<i>Psilopogon lineatus</i>	Megalaimidae	LC
16	House Sparrow	<i>Passer domesticus</i>	Passeridae	LC
17	Common Tailorbird	<i>Orthotomus sutorius</i>	Cisticolidae	LC
18	Malaysian Pied-Fantail	<i>Rhipidura javanica</i>	Rhipiduridae	LC
19	Rose-ringed Parakeet	<i>Psittacula krameri</i>	Psittacidae	LC
20	Black-rumped Flameback	<i>Dinopium benghalense</i>	Picidae	LC
21	Domestic Goose	<i>Anser</i> sp.	Anatidae	LC
22	Indochinese Roller	<i>Coracias affinis</i>	Coraciidae	LC

	Common name	Scientific name	Family	IUCN Red List status
23	Oriental Darter	<i>Anhinga melanogaster</i>	Anhingidae	NT
24	Baya Weaver	<i>Ploceus philippinus</i>	Ploceidae	LC
25	Barn Swallow	<i>Hirundo rustica</i>	Hirundinidae	LC
26	Blue-tailed Bee-eater	<i>Merops philippinus</i>	Meropidae	LC
27	Little Cormorant	<i>Microcarbo niger</i>	Phalacrocoracidae	LC
28	Brown Shrike	<i>Lanius cristatus</i>	Laniidae	LC
29	Grey-backed Shrike	<i>Lanius tephronotus</i>	Laniidae	LC
30	Black Drongo	<i>Dicrurus macrocercus</i>	Dicruridae	LC
31	White-breasted Waterhen	<i>Amaurornis phoenicurus</i>	Rallidae	LC
32	Eurasian Collared-Dove	<i>Streptopelia decaocto</i>	Columbidae	LC
33	Asian Green Bee-eater	<i>Merops orientalis</i>	Meropidae	LC
34	Cinereous Tit	<i>Parus cinereus</i>	Paridae	LC
35	Rock Pigeon	<i>Columba livia</i>	Columbidae	LC
36	Purple Heron	<i>Ardea purpurea</i>	Ardeidae	LC
37	House Crow	<i>Corvus splendens</i>	Corvidae	LC
38	Indian White-eye	<i>Zosterops palpebrosus</i>	Zosteropidae	LC
39	White-breasted Kingfisher	<i>Halcyon smyrnensis</i>	Alcedinidae	Lc
40	Common Iora	<i>Aegithina tiphia</i>	Aegithinidae	LC
41	Scaly-breasted Munia	<i>Lonchura punctulata</i>	Estrildidae	LC
42	Chestnut Munia	<i>Lonchura atricapilla</i>	Estrildidae	LC
43	Plaintive Cuckoo	<i>Cacomantis merulinus</i>	Cuculidae	LC
44	Greater Coucal	<i>Centropus sinensis</i>	Cuculidae	LC
45	Hair-crested Drongo	<i>Dicrurus hottentottus</i>	Dicruridae	LC
46	Black-hooded Oriole	<i>Oriolus xanthornus</i>	Oriolidae	LC

LC—Least Concern | VU—Vulnerable | NT—Near Threatened.



### Family-wise counting of species.

survey of the study area, future updates are always encouraged in getting a more conclusive checklist of birds common to this area which will definitely help in conservation of bird diversity.

## References

**Bibby, C.J., N.D. Burgess, D.A. Hill & S.H. Mustoe (2000).** *Bird Census Techniques*. Second edition. Academic Press, London, 302 pp.

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