

**Table S1: The checklist of bird species recorded from the surveyed 12 Universities, Nanjing**

Order	Family	Bird	Scientific name	Migration pattern	Feeding guild	China endangered status
Podicipediformes	Podicipedidae	Little Grebe	<i>Tachybaptus ruficollis</i>	R	C	BIESV
Ciconiiformes	Ardeidae	Little Egret	<i>Egretta garzetta</i>	SV	C	BIESV
		Chinese Pond-heron	<i>Ardeola bacchus</i>	SV	C	BIESV
		Black-crowned Night-heron	<i>Nycticorax nycticorax</i>	R	C	BIESV
		Cattle Egret	<i>Bubulcus ibis</i>	SV	C	BIESV
		Striated Heron	<i>Butorides striata</i>	SV	C	BIESV
Gruiformes	Rallidae	Common Moorhen	<i>Gallinula chloropus</i>	R	O	BIESV
Columbiformes	Columbidae	Oriental Turtle-dove		R	F	BIESV
			<i>Streptopelia orientalis</i>			
		Spotted Dove	<i>Spilopelia chinensis</i>	R	F	BIESV
Passeriformes	Pycnonotidae	Rock Pigeon	<i>Columba livia</i>	R	F	BIESV
		Chinese Bulbul	<i>Pycnonotus sinensis</i>	R	O	BIESV
		Collared Finchbill	<i>Spizixos semitorques</i>	R	O	BIESV
	Motacillidae	Red-whiskered Bulbul	<i>Pycnonotus jocosus</i>	WV	O	BIESV
		White Wagtail	<i>Motacilla alba</i>	R	I	BIESV
		Grey Wagtail	<i>Motacilla cinerea</i>	PM	I	BIESV
		Olive-backed Pipit	<i>Anthus hodgsoni</i>	WV	O	BIESV
	Laniidae	Long-tailed Shrike	<i>Lanius schach</i>	R	I	BIESV
		Brown Shrike	<i>Lanius cristatus</i>	SV	I	BIESV
	Corvidae	Azure-winged Magpie	<i>Cyanopica cyanus</i>	R	O	BIESV
		Black-billed Magpie	<i>Pica pica</i>	R	O	BIESV

		Blue Magpie	<i>Urocissa erythrorhyncha</i>	R	O	BIESV
		Grey Treepie	<i>Dendrocitta formosae</i>	R	O	BIESV
	Turdidae	Common Blackbird	<i>Turdus merula</i>	R	O	BIESV
Order	Family	Bird	Scientific name	Migration pattern	Feeding guild	China endangered status
		Grey-backed Thrush	<i>Turdus hortulorum</i>	WV	O	BIESV
	Timaliidae	Masked Laughingthrush	<i>Garrulax perspicillatus</i>	R	O	BIESV
	Ploceidae	Tree Sparrow	<i>Passer montanus</i>	R	O	BIESV
		White-rumped Munia	<i>Lonchura striata</i>	R	F	BIESV
	Passeridae	Yellow-billed Grosbeak	<i>Eophona migratoria</i>	R	O	BIESV
		Oriental Greenfinch	<i>Carduelis sinica</i>	R	O	BIESV
		Brambling	<i>Fringilla montifringilla</i>	WV	F	BIESV
	Dicruridae	Black Drongo	<i>Dicrurus macrocercus</i>	R	O	BIESV
	Paradoxornithidae	Vinous-throated Parrotbill	<i>Paradoxornis webbianus</i>	R	O	BIESV
	Paridae	Great Tit	<i>Parus minor</i>	R	I	BIESV
		Long-tailed Tit	<i>Aegithalos caudatus</i>	R	I	BIESV
		Black-throated Tit	<i>Aegithalos concinnus</i>	R	I	BIESV
		Yellow-bellied Tit	<i>Parus venustulus</i>	WV	I	BIESV
	Sturnidae	Crested Myna	<i>Acridotheres cristatellus</i>	R	O	BIESV
		Red-billed Starling	<i>Sturnus sericeus</i>	R	O	BIESV
		White-cheeked Starling	<i>Sturnus cineraceus</i>	R	O	BIESV
		Black-collared Starling	<i>Sturnus nigricollis</i>	WV	O	BIESV
	Muscicapidae	Oriental Magpie-robin	<i>Copsychus saularis</i>	R	I	BIESV
		Daurian Redstart	<i>Phoenicurus auroreus</i>	WV	I	BIESV
		Red-flanked Bush Robin	<i>Tarsiger cyanurus</i>	WV	I	BIESV

	Sylviidae	Yellow-rumped Willow Warbler	<i>Phylloscopus proregulus</i>	WV	I	BIESV
		Yellow-browed Willow Warbler	<i>Phylloscopus inornatus</i>	WV	I	BIESV
		Brownish-flanked Bush-warbler	<i>Horornis fortipes</i>	R	I	BIESV
	Hirundinidae	Red-rumped Swallow	<i>Hirundo daurica</i>	SV	I	BIESV
Order	Family	Bird	Scientific name	Migration pattern	Feeding guild	China endangered status
		Barn Swallow	<i>Hirundo rustica</i>	SV	I	BIESV
	Campephagidae	Brown-rumped Minivet	<i>Pericrocotus cantonensis</i>	PM	I	BIESV
	Zosteropidae	Japanese White-eye	<i>Zosterops japonicus</i>	SV	I	BIESV
Piciformes	Picidae	Grey-capped Pygmy Woodpecker	<i>Dendrocopos canicapillus</i>	R	I	BIESV
		Speckled Piculet	<i>Picumnus innominatus</i>	R	I	BIESV
		Great Spotted Woodpecker	<i>Dendrocopos major</i>	R	I	BIESV
		Grey-faced Woodpecker	<i>Picus canus</i>	R	I	BIESV
Falconiformes	Accipitridae	Black Kite	<i>Milvus migrans</i>	R	C	II
Coraciiformes	Alcedinidae	Common Kingfisher	<i>Alcedo atthis</i>	R	C	BIESV
		Pied Kingfisher	<i>Ceryle rudis</i>	R	C	BIESV
	Coraciidae	Broad-billed Roller	<i>Eurystomus orientalis</i>	PM	I	BIESV
Charadriiformes	Charadriidae	Grey-headed Lapwing			I	BIESV
			<i>Vanellus cinereus</i>	WV		
	Scolopacidae	Green Sandpiper	<i>Tringa ochropus</i>	WV	C	BIESV
Cuculiformes	Cuculidae	Asian Koel	<i>Eudynamys scolopaceus</i>	R	O	BIESV
		Large Hawk-Cuckoo	<i>Cuculus sparveriioides</i>	SV	I	BIESV
		Indian Cuckoo	<i>Cuculus micropterus</i>	SV	I	BIESV
Anseriformes	Anatidae	Eastern Spot-billed Duck	<i>Anas poecilorhyncha</i>	WV	O	BIESV

Galliformes	Phasianidae	Chinese Bamboo Partridge	<i>Bambusicola thoracicus</i>	R	O	BIESV
		Ring-necked Pheasant	<i>Phasianus colchicus</i>	R	O	BIESV
Bucerotiformes	Upupidae	Eurasian Hoopoe	<i>Upupa epops</i>	R	I	BIESV

Abbreviations: R=Resident bird, SV=Summer visitor, WV=Winter visitor, PM=passage migrant, C = Carnivorous, F = Frugivorous, I = Insectivorous, O = Omnivorous , BIESV=Beneficial or of important economic or scientific value, II=China's national secondary protection animal.