**ECOLOGY AND MORPHOMETRICS OF WADING BIRDS OF DISTRICT LARKANA**

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**Abstract:**Wading birds are very vital creature; they belong to order Charadriformes and have 13 families worldwide. Most of the waders are migratory however some do not migrate but live in tropical countries including Pakistan. This study is reported for the first time which is based on eight species of waders (Aves: Charadrii) occurring in Larkana, Sindh, Pakistan (lies 24° 56' and longitude 67° 11'). Their Ecology and Morphometrics of diagnostic characteristics (body length, beak, fore limbs, hind limbs, body weight and tail length) were studied. They showed different shapes, sizes, colors along diverse anatomical and biological differences. Total 97 specimens of wading birds comprising 68 females and 29 males were captured from February to October 2017. They were sorted out into four families (Ardeidae, Recurvirostidae, charadridae and Rallidae) and eight species Black winged stilt (*Himentopus himentopus*) Linnaeus, 1758; Pond heron *(Ardeola grayii)* [Sykes](https://en.wikipedia.org/wiki/Colonel_W._H._Sykes),1832; Intermediate egret (*Ardea intermedia)* [Wagler](https://en.wikipedia.org/wiki/Johann_Georg_Wagler),1827; Common moorhen *(Gallinula chloropus)* [Linnaeus](https://en.wikipedia.org/wiki/Carl_Linnaeus), [1758](https://en.wikipedia.org/wiki/10th_edition_of_Systema_Naturae); Grey heron (*Ardea cineria*) Linnaeus, 1758; Cattle egret (*Bubulcus iris)* [Linnaeus](https://en.wikipedia.org/wiki/Carl_Linnaeus), [1758](https://en.wikipedia.org/wiki/10th_edition_of_Systema_Naturae); Night Heron *(Nycticorax nycticorax)* [Linnaeus](https://en.wikipedia.org/wiki/Carl_Linnaeus), [1758](https://en.wikipedia.org/wiki/10th_edition_of_Systema_Naturae); Red-wattled lapwing (*Vanellus indicus)* [Boddaert](https://en.wikipedia.org/wiki/Pieter_Boddaert), 1783.

Collection was made from four sites ponds, river bank, canals and wetlands along with live analysis.

**Key words:** Wading birds, Aves, Charadrii, Morphometrics, Diagnostic characteristics, Ecology, Larkana.