

Taxonomic Study and Environmental Ecology of Parrot (Rose Ringed) in City Mirpurkhas, Sindh, Pakistan

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Abstract : The Parrot rose ringed (*Psittacula krameri*) commonly known as Tota, belongs to the order 'Psittaciformes' and family 'Psittacidae'. Its sub-species inhabiting Pakistan are *Psittacula borealis*. The parrot rose-ringed has been categorized the least concern species, the core aim of the present study is to investigate the ecology and taxonomy of parrot (rose-ringed). Sampling was obtained for the taxonomic identification from various adjoining areas in City Mirpurkhas by non-random method, which was conducted from Feb to June 2017. The different parameters measured with the help of a vernier caliper, foot scale, digital weighing machine. Body parameters were measured via; length of body, length of the wings, length of tail, mass in grams. During present study, a total number of 36 specimens were collected from different localities of City Mirpurkhas (38.2%) were male and (62.7%) were female. Maximum population density of *Psittacula Krameri borealis* (52.9%) was collected from Sindh Horticulture Research Station (fruit farm) Mirpurkhas. Minimum no: of *Psittacula krameri borealis* (5.5%) collected in urban parks. It was observed that *Psittacula krameri borealis* were in dense population during the months of 'May' and 'June' when the temperature ranged between 20°C and 45°C. A *Psittacula krameri borealis* female was found the heaviest in body weight. The species of parrot (rose ringed) captured during study having green plumage, coverts were gray, upper beak, red and lower beak black, shorter tail in female long tail in the male which was similar to the *Psittacula krameri borealis*.

Keywords : Mirpurkhas Sindh Pakistan, environmental ecology, parrot, rose-ringed, taxonomy

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