

Trends in population density of house sparrow, *Passer domesticus* L in Jamakhandi area in Bagalkot district, Karnataka, India

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ABSTRACT:

A brief study is conducted in Jamakhandi town which possesses both urban and rural traits to understand the population trends of house sparrow, *Passer domesticus* L, for a period of six months. The current study area is divided into four parts of the town viz., Rural East, Rural West and Urban East, Urban West. In rural west, a total of 39 birds were recorded, out of which 26 male bird and 13 female birds and in rural east a total of 28 birds which include 18 male and 10 female birds were recorded respectively. In urban west, a total of 14 birds were identified, of which 8 male and 6 were females. In contrast to this, in urban east a total of 14 birds were recorded of which 9 were males and 7 were females. In the present investigation, a total of 40.20 % of birds were recorded in the rural area and 30.92 % in the urban areas respectively. The current study indicated that, the population of house sparrows is declining in urban areas compared to the rural areas.

Keywords:

House Sparrow distribution, nesting, insect food, population trend.