

RESEARCH ARTICLE

Design and construction of artificial nesting by employing clay pot for protection and conservation of house sparrows

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SUMMARY

Conservation of house sparrows is a challenge in front of us; it is a part of Biodiversity protection and is facing with many challenges in the process of technological developments. There are many approaches to conserve biodiversity out of that construction of artificial nesting is an excellent approach and plays a pivotal role in protection and conservation of house sparrows, it is reported sparrow population has declined of about 80 per cent due to poor availability of nesting sites due to modern architectural modification and urbanization. Many studies were done in assessing the reasons for the decline of population, but it was concluded in attributing towards the mobile tower radiation, pesticide pollution and habitat fragmentation, without suggesting feasible approach in protection of its population. Henceforth this study was aimed to bring a scientific method for escalation of house sparrow population by designing artificial nesting by employing earthen pot, which is tied in selected residential localities around Sri Krishnadevaraya University, Ananthapuramu. This approach has clearly showed nesting success which absolutely contributed for gradual rise of population size, nearly 150 artificial nesting sites were installed in 15 residential localities of the university during the month of May daily observations were recorded and photographs were taken over a period of 6 months *i.e.*, Out of 150 artificial nesting sites 99 sites are occupied by house sparrows for construction of nesting attributing 66 percentage for nesting success and survival rate noticed at 65 percentage during the breeding season from May to August. Mortality rate was too low due to better availability of nesting sites at protected residential localities this study can suggest making recommendations to the State Forest Department and NGOs in the conservation of sparrows which is cost effective, easy to install in all indoor and outdoor residential localities.

Key Words : Design, Construction, Artificial nesting, Employing clay pot, Protection, Conservation, House sparrows

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