



DEPARTMENT OF ZOOLOGY

BEST PRACTICES



TITLE OF THE PRACTICE:

Preparation of sparrow nests from naturally available wastes such as coconut fibre, empty coconut shells, jute threads, Card boards etc., by II & III BZC students.

OBJECTIVES OF THE PRACTICE

The main objective of making nests is to protect sparrows and increase their number.

MATERIALS USED TO PREPARE NESTS

- 1.Coconut fibre
- 2.Empty Coconut shells
- 3.Jute threads
- 4.Fevicol
- 5.Thread
- 6.cotton
- 7.Card Boards

REPORT

The decline in the population of house sparrows due to the unfriendly architecture of our homes, chemical fertilisers in our crops, noise pollution that disturbs acoustic ecology and noxious exhaust fumes from vehicles.

Heavy use of chemical fertilisers leads to agricultural produce being laced by them, hence ruining the food of sparrows. The electromagnetic fields and radiation created by mobile towers are known to affect sparrows, simultaneously indicating that the radiation is also harmful to humans.

All these factors leads to decline the population of sparrows.

Khatri saw many sparrows on the Delhi-Noida highway toll plaza while commuting to the office. One day in 2013, he noticed that people were plastering holes in walls to cover spaces where sparrows made nests. He asked them to stop, stating that he would report their activities to the National Green Tribunals. Fortunately, they agreed and also agreed to permit him to take further measures to conserve sparrows.

“That was the turning point and we installed 100 wooden birdhouses on the toll, and amazingly all birdhouses were adopted by sparrows the very next day”, he explained. The fact that the breeding rate here was 100 percent made him happy.

Changing mindsets by teaching nest-building

As part of the programme at schools, Khatri teaches kids to make a nest in just 40 minutes with jute, coconut fibre, bamboo rings, cotton, threads, and a bangle. These nests are specially designed only for sparrows, by keeping a five-finger space between the hole and a stick, making it impossible for other birds to get inside and harm the eggs or hatchlings.

In the academic year 2022-2023, Smt.A.S.S.Sowjanya, Lecturer in Zoology,GDC, Ravulapalem get inspired by Khatri and taught the Zoology students about the importance of every organism in the nature and their role played in Biodiversity and asked the students to make nests by using naturally available materials to attract sparrows and make it as their habitat. This project helps in protecting sparrows and increase their number. The Lecturer also suggested the students to hang handmade nests, food feeder and water bowls at their houses to protect sparrows which are declining in their number due to human activities.





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BEST PRACTICES



TITLE OF THE PRACTICE:

Preparation of Water feeders and food feeders from waste plastic water bottles by III BZC students.

OBJECTIVES OF THE PRACTICE

The main objective of making Water feeders and food feeders is to protect sparrows and increase their number.

MATERIALS USED TO PREPARE FEEDERS

1. Plastic Water bottles
2. Drill with small and large size bits
3. Thick twine
4. Bird seed

REPORT

The reasons for the decline of the sparrow population are not only due to loss of habitat but also due to use of packed food, insecticides in farming and changing lifestyles, resulting in an inadequate availability of food for the birds.

Water and food feeders are used to attract a variety of garden birds to quench their thirst and hunger.

On March 20, 2010, Nature Forever Society (NFS) celebrated the first World House Sparrow Day, an international initiative, in collaboration with the BNHS, Cornell Lab of Ornithology (USA), Eco-Sys Action Foundation (France), Avon Wildlife Trust (UK), and numerous other national and international organizations across the world. Understanding the necessity to get national and international attention for conservation for sparrows, NFS lobbied for March 20 to

be declared as World Sparrow Day. After 2010, when India observed the first World Sparrow Day, the idea caught on in 50 countries.

As plastic bottles can be devastating to the animal world, including birds as they slowly break down. With this project, we can make sure that a few plastic bottles actually do something good for our feathered friends by making bird feeders out of discarded bottles.

In the academic year 2022-2023, Smt.A.S.S.Sowjanya, Lecturer in Zoology, GDC, Ravulapalem asked the students to make bird feeder and water bowls by using plastic water bottles, As plastic bottles can be devastating to the animal world, including birds as they slowly break down. With this project, we can make sure that a few plastic bottles actually do something good for our feathered friends by making bird feeders out of discarded bottles and provide food and water for sparrows to eradicate to decline their number.



