

BIRDS DON'T DO NESSTING ON FORIGEN TREES SO PLANT NATIVE TREES AND SAVE BIODIVERSITY

Mrs.M.V.Ghamnande¹, Rajvardhan Patil²

*Department of Engineering, Science and Humanities
Vishwakarma Institute of Technology, SPPU, Pune*

ABSTRACT

This is an Action-Research. Researcher is a wildlife-photographer. While doing photography of different varieties of tress to identify their species and botanical families he observed some difference in native trees and foreign trees. He started collecting the data regarding it. He observed that there is no nesting on foreign trees. In order to do a research he has done a random sampling in different areas in Pune cityand selected Shivagi-nagar area. Then he selected ten varieties of foreign trees again by random sampling method form hundred varieties [1]. Researcher has been doing photography since 2011. He collected data form 1st August 2017 top 1st August 2018. He noted about existence of nest or not in his observation table. After one year of each-week end observation he came to the conclusion that not a single nest had been found on any foreign trees. But in the same areas there were nest on native trees. So the researcher came to conclusion that birds don't build nest on foreign trees so plant native trees to keep ecological cycle sustainable. It is extremely important to select plant species for plantations according to ecological guidance. Foreign trees don't support the habit of native birds and insects. Law must be formed to restrict plantation of foreign trees.

Keywords: *Action-Research, foreign trees, native trees,*

II INTRODUCTION

1. Nature of Problem

In the era of modernization population of birds is decreasing .There are different reasons behind it, such as loss of native trees, increase in pollution, foreign trees for beatification of public spaces. Loss of kitchen gardens and increase in plantation of western trees.Foreign trees are easily available, they grow rapidly. They are not at all useful to keep the ecological balance. For example Eucalyptus leaves disintegrate very slowly. This in turns hampers the natural cycle. To save biodiversity and ecological cycle there must be a restriction by law and social awareness drive should start to inform about “Plant only native trees to save birds”.

2. Previous Work

Researcher referred some books [2][3][4][5][6] to identify the species, while doing photography of different varieties of trees. No information was found related to nesting of birds and foreign trees were found in the research material. Researcher found has held 28 exhibitions in Pune, Mumbai and other cities to spread awareness of native trees. Many Indian Citizens don't know some popular species of trees are foreign as their population in India is so much that Indian Botanists have given them Indian names like Kailaspati, Sitaranjan, Ashok, Kanakchampa, Subanul etc. This misconception has helped in rise of plantation of foreign trees.

3. Purpose:

Purpose of this research is to prove that birds do not prefer western trees for nesting at all. This action research with the help of observation thought the year wants to prove that birds do their nesting on native trees. Researcher wants to spread the message "Plant native trees and save birds". The purpose of this research is to suggest Government to make law to restrict plantation of foreign trees.

IV FIGURES AND TABLES:

| Sr. No. | Name of the Foreign tress, Common name, Botanical Name-Family | Number of trees | Number of nest on the trees |
|---------|---|-----------------|-----------------------------|
| 1 | Acacia auriculiformis A.cunn.ex Benth, Australian Babul, Family-Leguminosae(Mimosaceae) | 10 | 0 |
| 2 | Delonix regia (Boj.ex.Hook) Raf. Flameboyant tree , Family-Leguminosae (caesalpini aceae) | 10 | 0 |
| 3 | Guazuma ulmifolia L. , Bhadaraksha Family-MAlvacea (sterculiaceae) | 10 | 0 |

V CONCLUSION

The native birds never build nest on foreign trees. Foreign trees do not support habit of native trees and insects. The foreign trees disturb the ecological cycle. As there is increase in the number of foreign trees the population of birds with respect to the native trees the population of the native birds is decreasing. This paper will be helpful to plan a policy of plantation by government and private agency it will help to make rules and laws to restrict plantation of foreign trees. The research paper gives us the message that “The native birds never build nest on foreign trees so plant native trees to save birds”.

As many of native birds are the prime agents in the process of pollination, seed dispersal of plants and depletion in their number adversely affects the plant regeneration. So this research paper points out the importance of native trees. In this action research observation and photography is a main medium of data collection.

VI ACKNOWLEDGMENT

First of all ,I would like to thank our Director Sir ,Prof.(Dr) R.M.Jalnekar Sir and head of DESH Department ,Prof.(Dr) C.M.Mahajan sir for continuous support. I acknowledge my Professor Mrs.Ghamande from V.I.T., Pune to motivate me to write the research paper. My gratitude towards all the guides who have helped me to recognize foreign trees and for data collection. A kind help rendered from my mother Dr.Padmashree Patil to do this year long action research.

REFERENCES

- [1.] Mahajan S.D. , Videshi Vriksha, Deepak Publication , Pune(2011)
- [2.] Mahajan S.D., Aple Vriksha, Nature Walk Publication , Pune(2009)
- [3.] Mahajan S.D. , Deshi Vriksha , Aple Vriksha-Bhag 2, Nature Walk Publication , Pune(2010)
- [4.] Brimble L.J.F. , Handbook of Botany, SBW Publication, New Delhi(1994)

Internet:

<https://en.wikipedia.org>

<https://www.plantzafrica.com>