

## DEPARTMENT OF BOTANY

### BEST PRACTICE

**Title of the Practice:** “*Know a Plant each day – Today’s Plant Box*”

**Objectives of the Practice:**

- To enumerate the medicinal plants in the local surroundings
- Plant Identification Practice to the students
- To Know the taxonomic characters and classification

**The Context:**

In Botany Taxonomy of Flowering Plants is an important subject area and involves Plant identification, Naming and classification. In addition to Theory Field level identification helps students to distinguish between various species besides family specific characters.

**The Practice:**

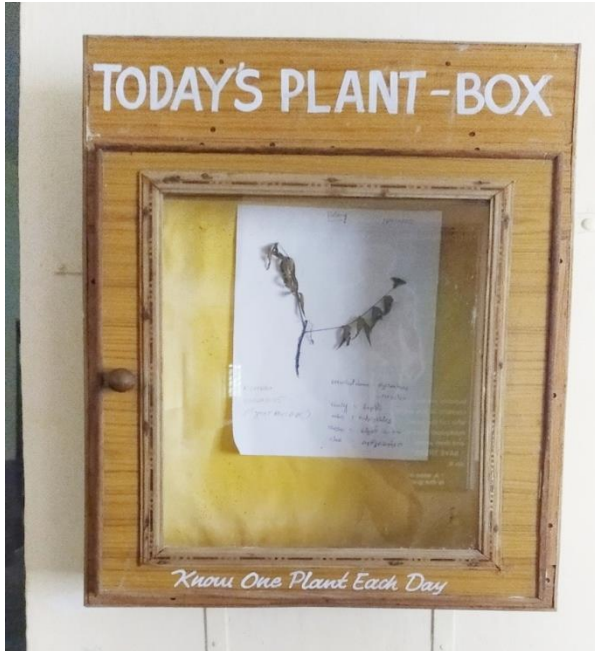
Department Botany started the Best Practice and asked the First semester/Third Semester Botany students to bring daily one unknown plant from the Places surrounding villages and identify it using Gamble Volume for classification of the specimen and later checked by the Botany faculty.

Local vernacular name, Botanical name, Family and important medicinal uses are listed and plant specimens is kept in the Today’s Plant Box so that all the students even from Non-Botany background know and note down the plant names and their medicinal used. After completion of First year next first year students would continue on rotation basis.

**Evidence of Success:**

Every academic year about 80-100 plant specimens are kept in Plant Box and Botany students note down the details from the Box during lunch time and also the uses of medicinal plants in treatment of common health problems. Displayed specimens are preserved in department herbarium and details are noted in the Best Practice Register

**Problems encountered and Resources Required:** Nil.



2021-22

| Date      | Name of the Plant             | Family         | Name of the Student               |
|-----------|-------------------------------|----------------|-----------------------------------|
| 11-9-2021 | Hibiscus rosasinensis         | Malvaceae      | B. mangamma<br>032223001          |
| 13-9-2021 | Tulsi Ocimum Tenifone         | Lamiaceae      | B. Keerthana                      |
| 17-9-2021 | Ginger Saigina                | Zingiberaceae  | 032223003<br>E. Ravi<br>032223006 |
| 21-9-2021 | Rosa Indica                   | Rosaceae       | G. Deepika<br>032223008           |
| 29-9-2021 | Chrysanthemum cinerariifolium | Asteraceae     | I. Sujitha<br>032223009           |
| 3-10-21   | Citrus aurantifolia           | Rutaceae       | J. S. Jyoti<br>032223012          |
| 4-10-21   | Psidium guajava               | Myrtaceae      | K. Jhansi<br>032223018            |
| 10-10-21  | Calotropis gigantea           | Asclepiadaceae | M. Haritha<br>032223019           |
| 15-10-21  | Tridax                        | Asteraceae     | M. Bhargav<br>032223021           |
| 20-10-21  | milk weed                     | Asclepiadaceae | M. Divya<br>032223022             |
|           |                               |                | N. Krishna Chaitanya<br>032223023 |