**DEPARTMENT OF BOTANY**

**RUSA SPONSORED WORKSHOP REPORT**

**A. Title of the Workshop:** Skill-based Workshop on Organic Gardening

**B. Background:**

* Four days skill-based workshop on organic gardening was conducted.
* Mrs. Bhakti Khot (Proprietor, NuTreeGrow Consultants) was the resource person for the said workshop.
* Each day consisted of 45 minutes lecture session followed by 15 minutes question answers cum interaction and 2 hours hands-on training.
* Evaluation of the participants was done on the last day.
* Overall feedback was collected.

**C. Aims/Objectives:**

* To develop of hands-on skills among UG Botany students on organic kitchen gardening, microgreen cultivation, composting, medicinal plant cultivation, window gardening and organic control of pests and diseases.
* To motivate students towards using environment friendly practices required for plant cultivation in an urban set-up.
* To expose the participants towards career opportunities and consultancies in the field of organic gardening, for the development of entrepreneurial skills.

**D. Location:** Lab No. 2 Department of Botany, SIES College of Arts, Science & Commerce (Autonomous), Sion(W)

**E. Target audience/participants with expected number:** T. Y. B. Sc. (Applied Component – Horticulture and Gardening students). No. of Registered participants: 22

**F. Details of Sessions:**

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| **Day** | **Content** | **Time** |
| 1st day | **Lecture session**: **Organic Kitchen Gardening**   * Definition, Objectives of organic gardening * Organic gardening as consultancy and business * Organic kitchen gardening – Introduction, Need, Scope * Organic cultivation of plants in kitchen gardens at home-scale level | 45 mins |
| **Interactive session**: Question-answers and query addressing session. | 15 mins |
| **Practical session**: Common practices and techniques used in Kitchen gardening, potting, repotting, transplanting of saplings, cutting, pruning, weeding, etc. | 2 hours |
| 2nd day | **Lecture session**: **Microgreen Cultivation**   * Microgreens as superfood – Introduction, Nutritional health benefits, Plants used * Organic cultivation of microgreens at home-scale level | 45 mins |
| **Interactive session**: Question-answers and query addressing session. | 15 mins |
| **Practical session**: Common practices and techniques used in Microgreen cultivation | 2 hours |
| 3rd day | **Lecture session**: **Organic manures and fertilizers**   * Organic manure and fertilizers – Overview, Applications, Composting. * Organic control of pests and diseases – Overview and applications | 45 mins |
| **Interactive session**: Question-answers and query addressing session. | 15 mins |
| **Practical session**: Preparation of compost and liquid manures useful for plant cultivation, Preparation of organic farm liquid to control pests and diseases at home-scale level. | 2 hours |
| 4th day | **Lecture session**: **Window Gardening & Cultivation of medicinal herbs and ornamentals**   * Do’s and don’ts of organic kitchen gardening * Do’s and don’ts of Microgreen cultivations * Medicinal plants and their health benefits * Cultivation of medicinal herbs and ornamentals in window garden | 45 mins |
| **Interactive session**: Question-answers and query addressing session. | 15 mins |
| **Practical session**: Organic cultivation of medicinal herbs at home-scale level, Growing ornamentals in window gardening | 2 hours |
| * **Evaluation and feedback collection at the end of the course.** | | |

**G. Session and names of Resource Person:** Mrs. Bhakti Khot, 2nd to 5th March 2022 - One session of three hours each per day.

**H. Outcome:**

* The participants learnt about the definition, concept, need and scope of organic farming.
* They got exposure towards hands-on skill development for soil, composting, vermicomposting, etc.
* They were able to create their own kitchen garden, microgreens.
* They learnt to utilize environmentally friendly practices such as use of organic fertilizers, use of biological growth promotors and organic control for pests and diseases.
* They were able to differentiate between good and bad practices of organic fertilizer & pesticides use in farming.
* The participants were exposed to current trends and career opportunities in organic kitchen gardening & commercial production of Microgreens.

**WORKSHOP PHOTOGRAPHS**



**Day 1: Inaugural Function**



**Day 1: Introduction of the Resource Person**



**Day 1: Organic Kitchen Gardening – Lecture Session**



**Day 1: Organic Kitchen Gardening – Practical Session**



**Day 2: Microgreen Cultivation – Lecture Session**



**Day 2: Microgreen Cultivation – Practical Session**



**Day 3: Organic Manures and Fertilizers – Lecture Session**



**Day 3: Organic Manures and Fertilizers – Practical Session**



**Day 4: Window Gardening & Cultivation of Herbs and Ornamentals – Lecture Session**



**Day 4: Participants’ Evaluation**



**Day 4: Feedback by the Participant**



**Day 4: Feedback by the Participant**



**Day 4: Valedictory Function**



**Day 4: Certificate Distribution**