

Khed Taluka Shikshan Prasarak Mandal's
Hutatma Rajguru Mahavidyalaya, Rajgurunagar
Affiliated to S. P. Pune University, Pune
NAAC Reaccredited "B++" Grade (CGPA 2.83), DST-FIST Recognized college
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Department of Botany A. Y. 2024-2025

Hands-on training on sustainable agricultural practices – Biopesticide Preparation

Sr. No	Item	Particulars
1	Date	17/08/2024
2	Name of Event	Hands-on training on sustainable agricultural practices – Biopesticide Preparation
3	Venue	Department of Botany
4	Time	12.30 pm to 3.30 pm
5	Duration of the programme	One day
6	Number of participants	41
7	Activity belongs to which Criteria of NAAC	Criteria 3

The Department of Botany successfully organized a hands-on training session on **sustainable agricultural practices on 17th August 2024**, focusing on the preparation of **Dashparni Ark**, a traditional bio-pesticide. This training aimed to impart knowledge about eco-friendly pest control methods as part of sustainable agriculture. A total of **37 F.Y.B.Sc. and 4 T.Y. B.Sc. students** participated in this practical session, actively contributing to every step of the preparation process. Mr. Avdhut Ghanwat, F.Y. B.Sc. student brought the ten essential plants having medicinal and pest-repelling properties required for the preparation of Dashparni Ark. Some students brought **Deshi cow dung and cow urine**, two important ingredients used in the traditional preparation process. The ingredients were combined in appropriate ratios. Cow dung and cow urine were added to the mixture, which was then stirred to facilitate the fermentation process. Jaggery was also added in the above mixture. The

mixture was left to ferment for one month. Students learned about the importance of fermentation in creating an effective bio-pesticide, as it enhances the pesticidal properties of the plant extracts. Students were encouraged to observe the changes during the fermentation process. The training was spearheaded by the Head of the Department, Dr. Kirti Manik Nitnaware, along with Dr. Sangeetha J. S and Miss Pooja Kad, who meticulously organized and supervised the training program. The training emphasized the benefits of **sustainable agricultural practices** in promoting healthy crops and ecosystems.






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