

*Satyaniketan's*

**Adv. M. N. Deshmukh Arts, Science and Commerce College, Rajur**

**Report on**

**Hands on training Programme on Bee Keeping**

**Date: 2<sup>nd</sup> January 2022**

**Academic year** : 2021-2022

**Activity** : Hands on training Programme on Bee Keeping

**Patron** : **Prof. L. D. Ghaywat**

S. M. B. S. T. College Sangamner

**Organizer** : Department of Zoology

**Head** : Prof. J. D. Arote

**Cousre Coordinator** : Dr. B. K. Tapale

**Number of participants:** 40

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Adv.M.N.Deshmukh Arts, Science and Commerce  
College, Rajur

One Day Training Programme on



## APICULTURE

Resource Person: Laxman Ghaywat  
SMBT College, Sangamner

Date: 2<sup>nd</sup> January, 2022

Apiculture is the scientific method of rearing honeybees.

"The word 'apiculture' comes from the Latin word 'apis' meaning bee.

So, apiculture or beekeeping is the care and management of honey bees for the production of honey and wax.

Insects are dominant animals on this earth. Usually insects are considered harmful to man but hardly 1 per cent of insect species fall in the pest category. Benefits of insects in maintaining economy outweigh the injury inflicted. Honey bees are one of the few insects directly beneficial to man.

- In the animal kingdom honey bees belong to: Phylum-Arthropoda, Class- Insecta, Order-Hymenoptera, Superfamily-Apoidea and Family-Apidae.
- Honey is highly valued food produced by honey bees and it is also used as medicine. In addition to honey, other products like bees wax, pollen, royal jelly and bee venom are also produced by honey bees.
- More than the producers of these hive products, bees play an important role in pollination of plants while collecting their food from flowers in the form of nectar and pollen.
- Pollination is involved in a chain of complex events significant to our economy. Pollination by insects including honey bees is important for ecological balance.
- Visitation by honey bees between distant varieties or cultivars promotes hybridization and help sparse populations to survive. Their mutual dependency has resulted into great degree of co-evolution.
- The science of rearing honey bees or beekeeping is known as apiculture.



- Bee boxes can easily be prepared at village level with a little training and providing standard specification.

#### **Opportunities:**

- Honey market can be expanded if organized properly.
- Scope for extraction of royal jelly shall increase potentiality since it has demand for preparation of pharmaceutical preparations.
- Bees wax can be utilized for manufacture of utility and fancy items.
- Bee venom if extracted can be used for various medicinal preparations.
- Various value added items and recipes can be prepared out of honey.
- Beekeeping can bring green revolution due to cross pollination.
- Stings of dead bees can be used for medicinal preparations.
- Honey as regular food shall ensure better national health hence shall decrease expenditure on health budget.
- Propolis if collected can be used as medicine.
- There is very good export potential for good quality and original honey obtained from Bee's comb.

#### **Weakness**

- Details about honey of various floras are not available.
- Beekeeping as we find today is heavily subsidized. We have to see whether it can run without subsidy or not since subsidies may not be available for ever.
- Beekeepers are not organized. Hence they are subject to exploitation by middle man.
- Although it can be trained easily for taming the bees and collecting honey, but it is not easy to train all beekeepers on bee diseases. For prevention or cure bee doctors are not available everywhere, hence epidemic can destroy entire bee population very fast Threats
- Taking advantage of popularity of honey adulterated honey has taken bulk of market share which threatens honey marketing.
- Indiscriminate spraying of pesticides has not only killed bees but also made honey harmful.
- Graining of honey of certain floras has made even pure honey unpopular since consumers are not aware of its background.
- Marketing honey by some monopoly houses recently has exploited beekeepers





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Adv. M. N. Deshmukh Arts, Science and Commerce College, Rajur  
Tal-Akole, Dist.-Ahmednagar 422 604.  
(2021 - 2022)

Name of Department : ZOOLOGY

Name of Activity : One Day Training Programme on Apiculture

Name of Guest : Prof. Laxman Ghaywat

Date: 2nd Jan. 2022

Time: 10:00

Sr.No.	Name of Participant	Class	Signature
1	Kokatare Sandip Hanumanta	FY BSc	
2	Sabale Shilpa Raju	FY BSc	
3	Varade Shrivani Vilas	FY BSc	
4	Jagdale Snehal Vinayak	FY BSc	
5	Malve Sanika Prakash	FY BSc	
6	Memane Sudhanshu Chandrakant	F.Y. BSc	
7	Khadgir Taibai Dattu	F.Y. BSc	
8	Nigale Payal Bulu	F.Y. BSc	
9	Mengal Onkar Maruti	F.Y. BSc	
10	Jale Sanket Rama	F.Y. BSc	
11	Bhangare Rajesh Sanjay	F.Y. BSc	
12	Kondor Sanket Ramnath	F.Y. BSc	
13	Nadekar Nilash Kalu	F.Y. BSc	
14	Deshmukh Ravindra Kalu	F.Y. BSc	
15	Dighe Tijabai Pandurang	F.Y. BSc	
16	Pichad Priyanka Ueliba.	F.Y. BSc	
17	Dule Monini Madhukar	F.Y. BSc	
18	Pichad Pradnya Gorkh	F.Y. BSc	
19	Patekar priyanka Pandurang	F.Y. BSc	
20	Bhangare Nirendra Ananda	F.Y. BSc	
21	Korde Sahil laxman	F.Y. BSc	

Head  
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21	Lande pravin Balasaheb	F.Y. BSC	
22	Bandale Anil Maruti	F.Y. BSC	
23	Ide Pujā Ganpat	F.Y. BSC	
24	Kondar Mangsi Ashok	F.Y. BSC	
	class FY		
25	Shailch simran Rashid	F.Y. BSC	
26	Khodgir Bharati Dattu	F.Y. BSC	B.D. Khodgir
27	Sabale Sundara Luma	F.Y. BSC	
28	Adhav Mansi Sachin	F.Y. BSC	
29	Gode samadhan Devram	F.Y. BSC	
30	Gode wamath Rajaram	F.Y. BSC	
31	Popere harshad namdev	F.Y. BSC	
32	Korade Prashant Ananda	F.Y. BSC	
33	Dudhale Datta Suresh, Kundalik	F.Y. BSC	
34	Sabale Sonali Bharat	F.Y. BSC	
35	Khade Laxmi Sitaram	F.Y. BSC	
36	Bandale Dipali Dhanuath	F.Y. BSC	
37	Ide Jayashri Dattatray	F.Y. BSC	
38	Bhavani Sapana Khandu	F.Y. BSC	S.H. Bhavani
39	Padmavati Vimal Bhimrao	F.Y. BSC	
40	Mundhe Reshma Ramesh	F.Y. BSC	

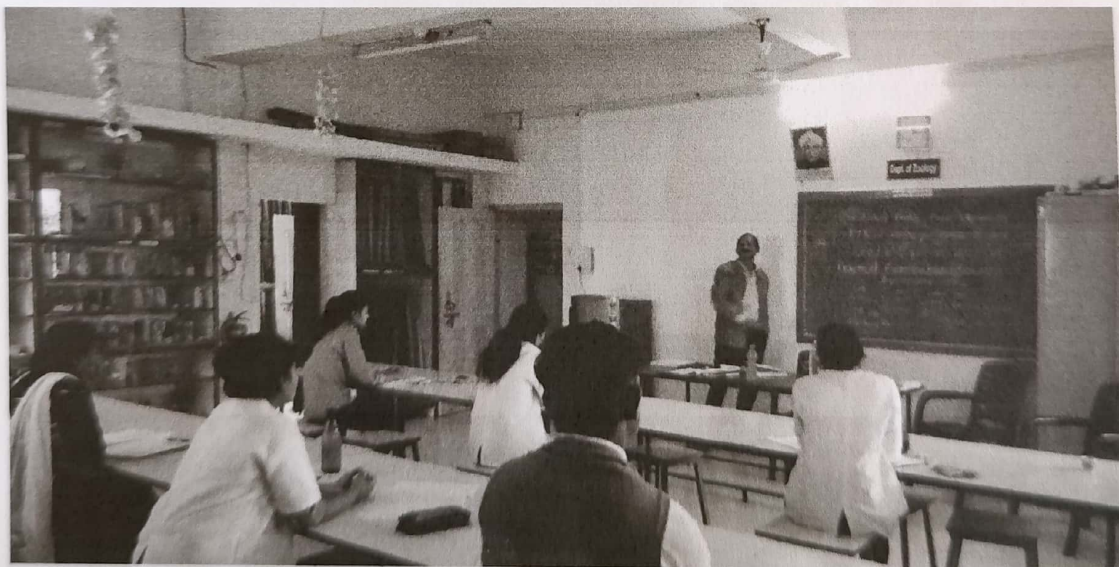
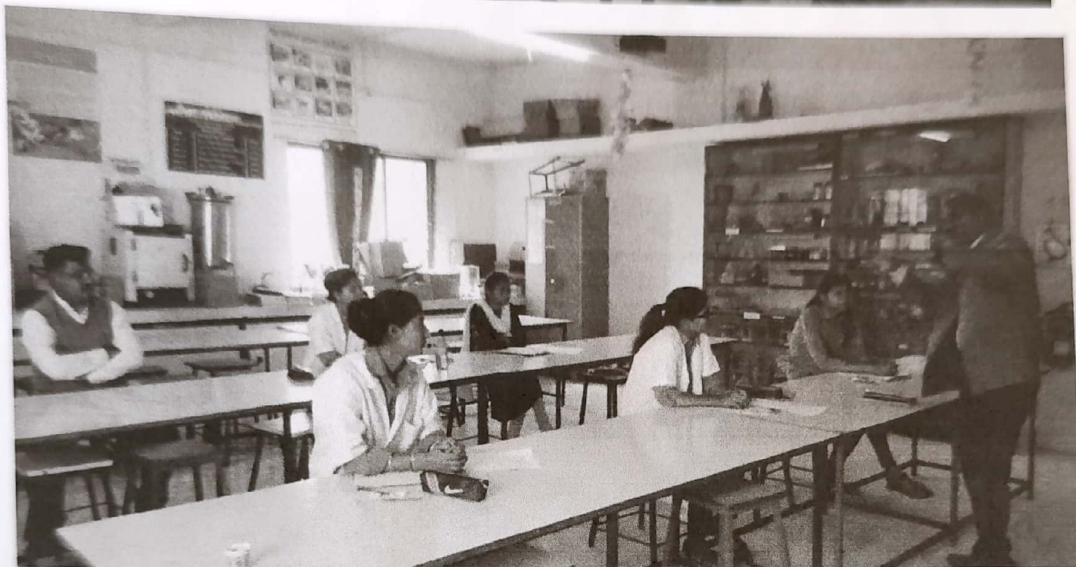
Head  
Department of Zoology  
Adv. M. N. Deshmukh College, Rajur.

Coordinator

Principal

Head  
Department of Zoology  
Adv. M. N. Deshmukh College, Rajur.





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