

**MAHATMA GANDHI ARTS, SCIENCE & LATE N.P. COMMERCE COLLEGE
ARMORI.**

REPORT OF

**CERTIFICATE COURSE IN SERICULTURE
OF 60 DAYS**

Conducted From 15 February, 2021 to 27 March, 2021

Session 2020-2021



Submitted by

Dr Jayesh N. Papadkar

(Course Coordinator)

Submitted To

IQAC Coordinator

**MAHATMA GANDHI ARTS, SCIENCE & LATE N.P. COMMERCE COLLEGE,
ARMORI.**

Date:- 20/04/2021

CERTIFICATE COURSE IN SERICULTURE

15 February to 27 March -2021

(02 Months)

Objectives: -

- ❖ To motivate students for scientific study in the field of Agro-based Industry by performing simple projects and field visits.
- ❖ To develop the skill, how to develop and earn regular incomes through sericulture in the villages of Armori Tehsil, Dist. Gadchiroli area dependent on temperature.
- ❖ Many Government Subsidies' and facilities are provided for the farmers. Students also get benefited after completion of this certificate course and they can cultivate sericulture crop.

A certificate course of **45** hours of **60** Days in Sericulture was conducted for the BSc II Year Students of **Zoology**, **but because of pandemic situation course has to be concluded in above spiculated time.** This course was designed & conducted to impart the knowledge & to develop the skills of sericulture plantation, life cycle of Tasar silk, reeling of silk from cocoon. To motivate students for scientific study in the field of Agro-based Industry by performing simple projects and field visits.

Students develop the skill, how to develop and earn regular incomes through sericulture in the villages. Many Government Subsidies' and facilities are provided for the crop.

The students were introduced (Details of Syllabus with evaluation process)

History of Sericulture, rearing of silkworms, Harvesting, and Diseases & Preventions

there are four units for certificate course one objective type question paper of 40 marks will be taken as well as for field visit 60 marks allotted. Passing marks will be 45, after examination certificate will issued.

❖ **Course Details**

- This course was conducted **Free of Cost**
- Course coordinator **Dr Jayesh N. Papadkar**
- Course Scheme :- **University Grant Commission approved**
- No. of students benefited - **24**
- Resource Persons **1. Shri Petkar**

❖ **Course Outcomes:-**

1. Job Opportunities in different sectors in the field of Sericulture
2. Students can start own farming and crop cultivation and they get Self-employment Opportunities.
3. After completion of this certificate course students can take admission in advance Sericulture courses. BSc, MSc in Sericulture

Name & Sign

Dr. J. N. Papadkar

(Course Coordinator)

**Co-Ordinator
COP
'Sericulture'
M.G. College, Armori**

Coordinator

IQAC-Co-ordinator

**Principal
Mahatma Gandhi Arts,
Science & Late
N. P. Commerce College,
Armori, Dist - Gadchiroli**



Syllabus: Theory
Certificate Course in Sericulture (Marks :40 M)

UNIT I: History of Sericulture (10 Marks)

- 1.1 Introduction to sericulture:
- 1.2 Cultivation of food plants.
- 1.3 Bioecology of Tasar silkworms.

Unit II: Rearing of silkworms (10 Marks)

- 2.1 Rearing of silkworms.
- 2.2 Equipment's or requirements for rearing.
- 2.3 Favorable Climatic conditions for rearing.

Unit III: Harvesting (10 Marks)

- 3.1 Harvesting and processing of cocoons.
- 3.2 Stifling and reeling of cocoons
 - 3.2.1. Reeling's selling to Textile mills through Government sanctioned rates.
 - 3.2.2. Government Subsidies and Schemes for Sericulture farming.
- 3.3 Reeling appliances

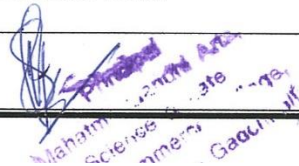
Unit IV: Diseases n Preventions (10 Marks)

- 4.1 Diseases of Anthria mylita
- 4.2 Preventive measures for disease free cocoon production.
- 4.2 Predators and parasitoids of silkworm and their management

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PRACTICAL:

60 Marks

Experiment no	Title of Experiment
Experiment no. 1	Estimation of Hatching and Brushing percentage of silkworm, eggs.
Experiment no. 2	Estimation of silkworm larval density in the bed and on Yen, Arjun trees.
Experiment no. 3	Estimation of Cocoon shell ratio.
Experiment no. 4	Identification of different silkworm diseases
Experiment no. 5	Study of life cycle of Tasar silk worm


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Details of course wise teaching aids:-


- i) Printed material: - list of the books
- ii) Lectures by Guest/ resource persons.
- iii) Videos of Sericulture (e-resources)
- iv) Visit to the Tasar Kosa Vikas Kendra Armori

UGC CAREER ORIENTED PROGRAMME

TWO MONTH CERTIFICATE COURSE IN SERICULTURE

Total Credits for the Course:-

S.NO	Unit	Title	Theory Hours Class per week	Practical Hours	Total credit		Total marks
					Theory credit	Practical credit	
1	Unit 1	History of Sericulture	4	-	4	6	10
2	Unit 2	Rearing of silkworms	4	-	-	-	10
3	Unit 3	Harvesting	4	-	-	-	10
4	Unit 4	Diseases Preventions	4	-	-	-	10
5	Practical training and visit to Tasar centre Armori		-	6	-	-	60
Total marks					Total credit -10		100


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COP Carried Oriented Programme in Sericulture

Department of Zoology

B.Sc.II (Sem-IV) *visit to Tasar Attendance*

2020-21

Date - 22.3.2021

SR. NO.	NAME OF STUDENTS	Signature
1.	MAYURI H. JAKKANWAR	<i>mjakkanwar</i>
2.	ADITI T. RAUT	<i>Araut</i>
3.	JAYSHRI P. INDURKAR	<i>JIndurkar</i>
4.	BRAJAL P. GADPAYALE	<i>BGPayale</i>
5.	PRANALI G. PILARE	<i>Pilare</i>
6.	DHANSHREE W. BHANDEKAR	<i>D.W. Bhandekar</i>
7.	DIVYATAI S. DARVE	<i>Darve</i>
8.	SANCHIT V. JUARE	<i>Suarve</i>
9.	AMAN D. HICHAMI	<i>AHichami</i>
10.	SONAL L. HAJARE	<i>S.Hajare</i>
11.	HARSHADA D. JAWANJAR	<i>Harshada</i>
12.	ACHAL D. MOHITKAR	<i>A.Mohitkar</i>
13.	YOGESHRI N. BRAMHANKAR	<i>Y.N.B</i>
14.	MAMTA D. KALBANDHE	<i>M.Kalbandhe</i>
15.	SNEHA D. SELOTE	<i>S.D. Selote</i>
16.	SHIVANI R. SELOTE	<i>S.Selote</i>
17.	NIKITA T. BHISHNURKAR	<i>N.Bhishnurkar</i>
18.	GAYATRI P. BEHARE	<i>Behare</i>
19.	BHAGYASHRI K. WANASKAR	<i>B.Wanaskar</i>
20.	HEENA D. LANJEWAR	<i>H.Lanjewar</i>
21.	SNEHA C. DURBULE	<i>S.Durbule</i>
22.	ISHA B. RAUT	<i>I.B.Raut</i>
23.	SAKSHI N. POINKAR	<i>S.Poinkar</i>
24.	KALYANI S. KUTHE	<i>K.Kuthe</i>

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Co-Ordinator
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① *Dr. J. N. Papadkar.*

Department of Zoology


B.Sc.II (Sem-IV) Regular Attendance


2020-21

← march - 21 →

SR. NO.	NAME OF STUDENTS	1	2	3	4	5	6	8	9	10	12	13	15	16
1.	MAYURI H. JAKKANWAR	P	P	P	.	P	P	P	P	P	P	P	P	P
2.	ADITI T. RAUT	.	P	P	P	.	P	.	.	P	P	P	P	P
3.	JAYSHRI P. INDURKAR	P	.	P	P	P	.	P	P	P	.	P	P	P
4.	BRAJAL P. GADPAYALE	.	P	P	P	P	P	P	P	.	P	P	P	P
5.	PRANALI G. PILARE	P	P	.	.	.	P	P	.	P	P	.	.	P
6.	DHANSHREE W. BHANDEKAR	P	P	P	P	P	P	P	P	.	P	P	P	P
7.	DIVYATAI S. DARVE	P	P	P	P	P	.	P	P	P	P	P	P	P
8.	SANCHIT V. JUARE	P	P	.	.	P	P	P	.	.	P	P	P	P
9.	AMAN D. HICHAMI	P	P	P	P	P	P	P	P	P	.	.	.	P
10.	SONAL L. HAJARE	P	.	P	P	.	.	P	P	.	P	P	P	P
11.	HARSHADA D. JAWANJAR	.	P	P	P	P	.	P	P	.	P	P	P	P
12.	ACHAL D. MOHITKAR	P	P	P	.	P	P	P	P	P	.	.	P	.
13.	YOGESHRI N. BRAMHANKAR	P	.	.	P	P	P	P	.	.	P	P	P	P
14.	MAMTA D. KALBANDHE	.	P	P	P	P	P	P	P	P	.	.	P	P
15.	SNEHA D. SELOTE	.	P	.	P	P	.	.	P	P	.	P	P	P
16.	SHIVANI R. SELOTE	P	P	P	.	P	P	P	P	.	P	.	P	P
17.	NIKITA T. BHISHNURKAR	P	P	P	P	.	P	.	P	P	P	.	.	P
18.	GAYATRI P. BEHARE	P	P	P	P	P	.	P	P	P	.	P	P	P
19.	BHAGYASHRI K. WANASKAR	P	.	P	P	P	P	P	.	P	P	P	P	.
20.	HEENA D. LANJEWAR	P	P	P	P	P	P	P	P	P	.	.	P	P
21.	SNEHA C. DURBULE	P	P	.	.	P	P	.	P	P	P	P	.	P
22.	ISHA B. RAUT	P	.	P	P	.	P	P	.	.	.	P	P	P
23.	SAKSHI N. POINKAR	P	.	P	P	P	P	.	P	P	.	P	P	.
24.	KALYANI S. KUTHE	.	P	P	P	P	P	P	.	.	P	P	P	.




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COP Carried Oriented Programme in Sericulture

Department of Zoology

Dr. J.N. Papadkar


B.Sc.II (Sem-IV) Regular Attendance


2020-21

Feb-21 →

SR. NO.	NAME OF STUDENTS	17	18	20	22	23	24	25	26	27
1.	MAYURI H. JAKKANWAR	P	P	.	.	P	P	.	P	P
2.	ADITI T. RAUT	P	P	P	P	P	P	P	P	P
3.	JAYSHRI P. INDURKAR	P	P	P	P	P	.	P	.	P
4.	BRAJAL P. GADPAYALE	P	P	P	.	.	P	P	P	.
5.	PRANALI G. PILARE	P	P	.	P	P	P	P	P	P
6.	DHANSHREE W. BHANDEKAR	P	P	P	P	P	P	P	P	P
7.	DIVYATAI S. DARVE	.	P	P	.	P	P	.	.	P
8.	SANCHIT V. JUARE	P	.	P	P	P	.	P	P	P
9.	AMAN D. HICHAMI	.	P	P	P	.	P	P	P	P
10.	SONAL L. HAJARE	P	P	P	P	P	P	P	P	.
11.	HARSHADA D. JAWANJAR	P	.	P	P	P	P	.	.	P
12.	ACHAL D. MOHITKAR	P	P	P	P	P	P	P	P	P
13.	YOGESHRI N. BRAMHANKAR	P	P	P	.	P	.	.	P	P
14.	MAMTA D. KALBANDHE	P	P	.	P	P	P	P	P	.
15.	SNEHA D. SELOTE	P	P	P	P	.	P	P	.	P
16.	SHIVANI R. SELOTE	P	P	P	.	P	P	P	P	P
17.	NIKITA T. BHISHNURKAR	P	P	.	P	.	.	P	P	.
18.	GAYATRI P. BEHARE	.	P	P	.	P	P	P	.	P
19.	BHAGYASHRI K. WANASKAR	.	.	P	P	P	P	.	P	P
20.	HEENA D. LANJEWAR	P	P	P	P	.	.	P	P	.
21.	SNEHA C. DURBULE	P	P	P	P	P	P	.	P	P
22.	ISHA B. RAUT	P	.	P	P	P	P	.	P	P
23.	SAKSHI N. POINKAR	.	P	P	P	P	.	P	P	P
24.	KALYANI S. KUTHE	P	P	.	P	P	P	P	.	P




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"RIGHT PLACE FOR BRIGHT FUTURE"

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Armori Dist. Gadchiroli

Centre for Higher Learning and Research

NAAC Re-accredited 'A' Grade (3.02 CGPA)

Affiliated to Gondwana University, Gadchiroli

Department of Zoology Conducted

CERTIFICATE COURSE IN SERICULTURE

University Grants Commission, New Delhi Approved

CERTIFICATE

This certificate awarded to Mr/Miss Achal D. Mohitkar of Class B.Sc. II has successfully passed certificate course in Sericulture in academic year 2020-21 and he/she has secured 'A' Grade.


With best wish for glorious and bright future..!

Date: ___/___/___


Coordinator


Principal
Mahatma Gandhi Arts,
Science & Late
N. P. Commerce College,




Principal