

HRD-11011/11/2022-HRD-DBT
Government of India
Ministry of Science & Technology
Department of Biotechnology

Block 2, 6-8th Floor
CGO Complex, Lodi Road
New Delhi - 110003
Dated: 29/09/2022

ORDER

Sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Power Rules, 1978 for the financial support for strengthening of Life Science and Biotechnology Education and Training at undergraduate level under Star College Scheme to Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist- Kolhapur, Pin-416101, Maharashtra at a total project cost of Rs. 63.00 lakhs (Rupees sixty three lakhs only) for three years as per budget details are given below:-

Head	Amount (Rs. In lakhs)			
	1 st Year rel	2 nd Year rel	3 rd Year rel	Total
GIA-Capital (Non-Recurring)				
Non-Recurring Equipment @ Rs.10.00 lakhs per dept. to three depts. [1. Botany & Zoology (Clubbed together) 2. Physics & Chemistry (Clubbed together) 3. Mathematics & Statistics]	30.00	0.00	0.00	30.00
GIA- General (Recurring)				
Recurring to all three depts. @ Rs. 3.00 lakhs per year [1. Botany & Zoology (Clubbed together) 2. Physics & Chemistry (Clubbed together) 3. Mathematics & Statistics] i.e. Rs 9.00 lakhs per year	11.00	11.00	11.00	33.00
Travel Grant (Mentoring, Monitoring and Site Visit) @ Rs. 1.00 lakhs per year				
Contingency @ Rs. 1.00 lakh per year				
Total:	41.00	11.00	11.00	63.00

2. Dr. Sandip R. Sabale, Assistant Professor, Department of Chemistry, Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist- Kolhapur, Pin-416101, Maharashtra will be the coordinator for this programme and will submit utilization certificate and statement of expenditure duly signed by him, finance/accounts officer of college and head of college in duplicate at the end of financial year.
3. The college is required to implement the programme as per the terms and conditions given in Annexure-I.
4. As per "Rule 236 (1) of GFR 2017", the Account of all Grantee Institution or Organizations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the institute or Organization is called upon to do so.



Continue...B.

5. The grant will be assigned through a Zero Balance Subsidiary Account or as per directions given from time to time.

6. Terms & Conditions:

1. It is mandatory to acknowledge financial support provided by DBT via inclusion of Reference/Grant number, Name of the Department (i.e. DBT) and the duration of the financial support including the dates in acknowledgement section of publications/patents/technology transfer documents vide notification no. DBT/PCAIUGen/01 dated 7th June 2012.
2. It is obligatory to assess/observe the bio safety compliance for rDNA activities to be performed by institutions and investigators for the proposals submitted to DBT for financial support as per the notification vide no. BT/BS/17/459/2011-PID dated 26th September 2012.
3. As per the Ministry of Finance OM. No. C-11015(34)/MF CGA/PFMS/Misc/2014-15/2095-2127 dated 03.03.2015 all transaction involving cash component has to be made through Public Financial Management System (PFMS) w.e.f. 01.04.2015 to each beneficiary.
4. No Utilization Certificate is pending with the implementing Institute. All the Utilization Certificates due for rendition have been received and accepted by the head of Division/Competent Authority.
5. As per Rule (233) of GFR2017, (ownership in physical and intellectual assets created through funds shall vest in the sponsor).
6. The details of the approved equipment for the implementation of the project is at Annexure-II.
7. All purchases through DBT grant should be through Open Tender System and no specific make should be given preference.
8. Any valuable biological data generated from the project should be shared with IBDC at RCB, Faridabad (<https://ibdc.rcb.res.in>).
9. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
10. Continuation of the project beyond 31.03.2023 will be subject to the appraisal and approval of the relevant scheme for the continuation beyond 31.03.2023.
11. After completion of the project period, the retention of equipment(s) purchased out of the project grant by the private agencies /NGOs is not allowed as per the prevailing Govt. of India instructions. Hence, the Pvt. Institutes/ NGOs involved in the instant project shall abide by the instructions issued/ to be issued by the Department in this regard from time to time.
12. The college will be required to submit annual technical progress report as per the proforma prescribed by DBT as well as details of equipment procured such as item, date of purchase, cost at the time of purchase and present the progress before the expert committee once every year. The department could appoint site visit committee, as and when required for on the spot evaluation of the programme.

7. The expenditure involved is debitable to:

Demand No. 90	Department of Biotechnology
3425	Other Scientific Research (Major Head)
60	Others (Sub Major Head)
60.200	Assistance to Other Scientific Bodies (Minor Head)
29	Biotechnology Research and Development, Human Resource Development, Research Resources and facilities
29.17	Assistance for Research and Development
29.17.31	Grants-in-Aid General for the year 2022-23

Demand No. 90	Department of Biotechnology
3425	Other Scientific Research (Major Head)
60	Others (Sub Major Head)
60.200	Assistance to Other Scientific Bodies (Minor Head)
29	Biotechnology Research and Development, Human Resource Development, Research Resources and facilities
29.17	Assistance for Research and Development
29.17.35	Grants-in-Creation of Capital Assets FY-2022-23

8. This issues under powers delegated to this Dept. and with the concurrence of IFD vide their San No. 102/IFD/SAN/410/2022-23 dated: 31.08.2022
9. This sanction order has been noted at serial No. 18 in the register of grants.


(Dr. Garima Gupta)
Scientist-F

To,
The Pay & Accounts Officer
Department of Biotechnology
New Delhi-110003

Copy to:

1. The Principal, Director of Audit (Scientific Departments), AGCR Building, New Delhi-110002
2. Cash Section, DBT, (2 Copies)
3. The Principal, Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist-Kolhapur, Pin-416101, Maharashtra.
4. Dr. Sandip R. Sabale, Assistant Professor, Department of Chemistry, Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist- Kolhapur, Pin-416101, Maharashtra.
5. CNA, Nil, New Delhi
6. Sanction Folder


(Dr. Garima Gupta)
Scientist-F

HRD-11011/11/2022-HRD-DBT
Government of India
Ministry of Science & Technology
Department of Biotechnology

Block No. 2, 6-8th Floor
CGO Complex, Lodi Road
New Delhi-110003
Dated: 29/09/2022

ORDER

In continuation of this department's sanction order of even no. dated 29/09/2022 sanction of the President is hereby accorded under Rule 18, of the delegation of Financial Power Rules, 1978 to the release of an amount of Rs. 15.00 lakhs (Rupees fifteen lakhs only) to Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist-Kolhapur, Pin-416101, Maharashtra as 1st installment (50%) of first year release under non-recurring head for the implementation of the project for strengthening of Life Science and Biotechnology Education and Training at undergraduate level under Star College Scheme for financial year 2022-23, as per details given below:-

Institute/College Name	GIA-Capital	Total Amount
Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist-Kolhapur, Pin-416101, Maharashtra	Non-Recurring (Equipment) @ Rs.5.00 lakhs per dept. to three depts. (1. Botany & Zoology (Clubbed together) 2. Physics & Chemistry (Clubbed together) 3. Mathematics & Statistics)	15.00

2. The amount of Rs. 15.00 lakhs (Rupees fifteen lakhs only) shall be drawn by Pay & Account Officer, DBT and disbursed to the CNA Account of NII in respect of Biotechnology Research and Development Scheme as per the details are given below:-

Account Name	Saving Account No.	IFSC Code	Bank Branch Address
National Institute of Immunology	017101023637	ICIC0000171	ICICI Bank, E-30, Saket, New Delhi-110017

3. CNA, NII shall assign/allocate drawing limit of Rs. 15.00 lakhs (Rupees fifteen lakhs only) into the Zero Balance Subsidiary Account of Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist- Kolhapur, Pin-416101, Maharashtra as per details given below and at Annexure-1:

Name of the Account	Project Registration Number	Account Number	IFSC Code
Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist-Kolhapur, Pin-416101, Maharashtra	HRD-11011/11/2022-HRD-DBT	636405058508	ICIC0006364


Continued...2/-

4. The details of the approved equipment for the implementation of the project is at **Annexure-II**.
5. As per "Rule 236 (1) of GFR 2017", the Account of all Grantee Institution or Organizations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the institute or Organization is called upon to do so.
6. The interest earned should be reported to DBT in the utilization certificate and statement of expenditure. The interest so earned should be refunded to the consolidated funds of India through Bharat Kosh (NTRP) Portal.
7. **The Principal, Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist-Kolhapur, Pin-416101, Maharashtra** will submit the Statement of Expenditure (SE) and audited Utilization Certificate (UC) of expenditure in respect of above mentioned amount.
8. Continuation of the project beyond 31.03.2023 will be subject to the appraisal and approval of the relevant scheme for the continuation beyond 31.03.2023.
9. After completion of the project period, the retention of equipment (x) purchased out of the project grant by the private agencies /NGOs is not allowed as per the prevailing Govt. of India instructions. Hence, the Pvt. Institutes/ NGOs involved in the instant project shall abide by the instructions issued/ to be issued by the Department in this regard from time to time.
10. Being the first release to the Programme no Utilization Certificate pertaining to this programme is required with the college.
11. The expenditure involved is debitable to:

Demand No. 90	Department of Biotechnology
3425	Other Scientific Research (Major Head)
60	Others (Sub Major Head)
60.200	Assistance to Other Scientific Bodies (Minor Head)
29	Biotechnology Research and Development, Human Resource Development, Research Resources and facilities
29.17	Assistance for Research and Development
29.17.35	Grants-in-Creation of Capital Assets FY-2022-23

12. The terms and conditions of the grant remain unchanged.
13. This issues under powers delegated to this Dept. and with the concurrence of IFD vide their San No. 102/IFD/SAN/504/2022-23 dated; 29.09.2022
14. This sanction order has been noted at serial No. 19 in the register of grants.


(Dr. Garima Gupta)
Scientist-F

To,

The Pay & Accounts Officer
Department of Biotechnology
New Delhi-110003

Copy to:

1. The Principal, Director of Audit (Scientific Departments), DACR Building, New Delhi-110002.
2. Cash Section, DBT, (2 Copies)
3. The Principal, Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist-Kolhapur, Pin-416101, Maharashtra.
4. Dr. Sandip R. Sabale, Assistant Professor, Department of Chemistry, Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist- Kolhapur, Pin-416101, Maharashtra.
5. CNA, Nil, New Delhi
6. Sanction Folder


(Dr. Garima Gupta)
Scientist-F

HRD-11011/11/2022-HRD-DBT
Government of India
Ministry of Science & Technology
Department of Biotechnology

Block No. 2, 6-8th Floor
CGO Complex, Lodi Road
New Delhi-110003
Dated: 29/09/2022

ORDER

In continuation of this Department's sanction order of even no. dated 29.09.2022 sanction of the President is hereby accorded under Rule 18, of the delegation of Financial Power Rules, 1978 to the release of an amount of Rs 5.50 lakhs (Rupees five lakhs fifty thousand only) to Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist- Kolhapur, Pin-416101, Maharashtra as 1st installment (50%) of first year release under recurring head for the implementation of the project for strengthening of Life Science and Biotechnology Education and Training at undergraduate level under Star College Scheme for the financial year 2022-23 as per details given below:-

Institute/College Name	(Rs. In lakhs)	
	GLA-General	Total Amount
Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist- Kolhapur, Pin-416101, Maharashtra	Recurring*	5.50
	5.50	
* Travel limited to -Rs 0.50 Lakhs, Contingency limited to -Rs 0.50 Lakhs. Other recurring @ Rs 1.50 lakhs per dept. for 3 Dept. (1. Botany & Zoology (Clubbed together) 2. Physics & Chemistry (Clubbed together) 3. Mathematics & Statistics)		

2. The amount of Rs 5.50 lakhs (Rupees five lakhs fifty thousand only) shall be drawn by Pay & Account Officer, DBT and disbursed to the CNA Account of NII in respect of Biotechnology Research and Development Scheme as per the details are given below:-

Account Name	Saving Account No.	IFSC Code	Bank Branch Address
National Institute of Immunology	017101023637	ICIC0000171	ICICI Bank, E-30, Saket, New Delhi-110017

3. CNA, NII shall assign/allocate drawing limit of Rs 5.50 lakhs (Rupees five lakhs fifty thousand only) into the Zero Balance Subsidiary Account of Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist- Kolhapur, Pin-416101, Maharashtra as per details given below and at Annexure-1:

Name of the Account	Project Registration Number	Account Number	IFSC Code
Jaysingpur College, Jaysingpur, Shirol- Wadi Road, Tal- Shirol, Dist- Kolhapur, Pin- 416101, Maharashtra	HRD-11011/11/2022-HRD- DBT	606405058508	ICIC0006364

4. The interest so earned should be reported to DBT in the utilization certificate and statement of expenditure. The interest so earned should be refunded to the consolidated funds of India through Bharat Kosh (NTRP) Portal.
5. As per "Rule 236 (1) of GFR 2017", the Account of all Grantee Institution or Organizations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the institute or Organization is called upon to do so.
6. **The Principal, Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist-Kolhapur, Pin-416101, Maharashtra** will submit the Statement of Expenditure (SE) and audited Utilization Certificate (UC) of expenditure in respect of above mentioned amount.
7. Continuation of the project beyond 31.03.2023 will be subject to the appraisal and approval of the relevant scheme for the continuation beyond 31.03.2023.
8. Being the first release to the Programme no Utilization Certificate pertaining to this programme is required with the college.
9. No International Travel will be undertaking from the sanctioned project grant unless specified otherwise.
10. The expenditure involved is debitable to:

Demand No. 90	Department of Biotechnology
3425	Other Scientific Research (Major Head)
60	Others (Sub Major Head)
60.200	Assistance to Other Scientific Bodies (Minor Head)
29	Biotechnology Research and Development, Human Resource Development, Research Resources and facilities
29.17	Assistance for Research and Development
29.17.31	Grants-in-Aid General for the year 2022-23

11. The terms and conditions of the grant remain unchanged.
12. This issues under powers delegated to this Dept. and with the concurrence of IFD vide their San No. 102/IFD/SAN/503/2022-23 dated: 29.09.2022
13. This sanction order has been noted at serial No. 20 in the register of grants.


(Dr. Garima Gupta)
Scientist-F

To,

The Pay & Accounts Officer
Department of Biotechnology
New Delhi-110002

Copy to:

1. The Principal, Director of Audit (Scientific Departments), DACR Building, New Delhi-110002.
2. Cash Section, DBT, (2 Copies)
3. The Principal, Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist-Kolhapur, Pin-416101, Maharashtra.
4. Dr. Sandip R. Suhale, Assistant Professor, Department of Chemistry, Jaysingpur College, Jaysingpur, Shirol-Wadi Road, Tal-Shirol, Dist- Kolhapur, Pin-416101, Maharashtra.
5. CNA, NIL, New Delhi
6. Sanction Folder


(Dr. Garima Gupta)
Scientist-F

List of approved equipment

(Amount in Rs.)

Sr. No.	Department	Equipment Details	Total Unit	Total Cost (with GST)
1.	Botany	UV transilluminator	1	50000.00
2.		Agarose Gel Electrophoresis	1	26000.00
3.		Refrigerator	1	28000.00
4.		Microwave oven	1	20000.00
5.		Centrifuge	1	35000.00
6.		Spirwin microfuge	1	10000.00
7.		Weighing balance (Cortech)	1	30000.00
8.		pH meter	1	11000.00
9.		Spectrophotometer	1	55000.00
10.		Autoclave	1	50000.00
11.		Compound Microscope	1	25000.00
12.		EC Meter	1	14000.00
13.		Mg, Fe, Cu, Mn, Zn, HCL	1	50000.00
14.		Soxhlet Apparatus	1	15000.00
15.		Alumina tube with vacuum and gas purging coupler	1	60000.00
16.		N2 gas cylinder with flow regulator	1	21000.00
17.	Chemistry	pH meter	2	22000.00
18.		Conductometer battery operated	2	11000.00
19.		Potentiometer battery operated	2	32000.00
20.		Refractometer	2	24000.00
21.		Turbidimeter	1	10000.00
22.		Hot air oven	1	25000.00
23.		Centrifuge	1	34000.00
24.		Spectrophotometer	1	53000.00
25.		flash point apparatus	1	16000.00
26.		Kjeldahl apparatus	1	20000.00
27.		Digital balance	1	30000.00
28.		Soxhlet Apparatus	1	15000.00
29.		Thermostat	1	30000.00
30.		Sonicator	1	8000.00
31.		Tube furnace with rump temperature	1	70000.00
32.		Tablet dissolution Unit	1	80000.00
33.		TLC UV cabinet	1	10000.00
34.	Micro pipette set	1	10000.00	

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(Dr. Garima Gupta)
Scientist-F

35.	Mathematics and Statistics	Desktops with license Operating system and Microsoft office (10th Gen)	16	720000.00	
36.		Digital Smart Board (Cybernetix with LCD)	2	167000.00	
37.		Mathematica software	1	98000.00	
38.		Scanner with Printer	1	15000.00	
39.	Physica	Searl's Apparatus	1	12100.00	
40.		Thermal Conductivity meter	1	12500.00	
41.		Lee and Charlton's disc instrument	2	9000.00	
42.		Platinum resistance thermometer	1	13000.00	
43.		Thermo couple	3	5400.00	
44.		RTD Device	2	15000.00	
45.		Specific heat meter	2	13000.00	
46.		Forbe's thermal conductivity meter	2	25000.00	
47.		Stefan's constant apparatus	3	9000.00	
48.		Chemical bath deposition unit	1	95000.00	
49.		Spray Thin Film Unit	1	98000.00	
50.		Sonicator	1	45000.00	
51.		Hysteresis loop tracer	1	80000.00	
52.		Magnetic stirrer with heater	2	16000.00	
53.		pH meter	1	11000.00	
54.		Muffle furnace up to 1000 ^o C	1	25000.00	
55.		Digital power supply	2	16000.00	
56.		Zoology	Digital pH meter	1	11000.00
57.			Digital conductivity meter	1	12000.00
58.			Artificial Brood chamber	1	4900.00
59.			Gel Electrophoresis unit	1	15000.00
60.			Microtome	1	60000.00
61.			Van Dorn Unit	1	26000.00
62.			Turbidity meter	1	13000.00
63.	Autoclave		1	50000.00	
64.	Research Microscope		1	95100.00	
65.	Laminar Airflow		1	60000.00	
66.	Compound Microscope		4	22000.00	
67.	Centrifuge		1	34000.00	
68.	Colony Counter		1	10000.00	
69.	Wire loop sterilizer		1	23000.00	
70.	Refrigerator		1	15000.00	
71.	Spectrophotometer		1	55000.00	

(2)

(Dr. Garima Gupta)
Scientist-F



Anekant Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Email: iqacjpscollege@gmail.com

Activity Report

Organised By: Department of Zoology and Botany

Year:	2021-22
Name of the Activity:	Guest lecture on "Competitive exam guidance"
Date:	21/05/2022
Venue:	Department of Zoology
Co-ordinator:	Dr. Suraj Umdale
Organised for: College/class/ staff	Students of B. Sc. III (Botany and Zoology)
No. of Participants	25
Nature: (e.g. Academic, cultural, sports etc)	Academic
Objectives of the Activity	To familiarize students with the SET, NET and other exams, and emerging ideas on how to sustain in the present competitive world and to develop personality.
Chief Guest/s or Resource Person/s	Mr. Kiran Choudaj
Short Report (in English)	Department of Zoology has arranged a guest lecture on "Competitive Exam Guidance" for B. Sc. III Zoology students. Mr. Kiran has delivered his talk with special reference to various government and non government post to be filled after B. Sc. as well as M. Sc. Zoology. He has also given information regarding higher education opportunities after B. Sc. Zoology. He has discussed about various competitive examinations organizing by State and Central Governments. His talk was a motivating element for the students of B. Sc. students.
Outcome/Remark	Lecture enhance the knowledge of competitive exams among the students for their better carrier.

(# Photos, participant's list and other documents are attached)



Jaysingpur College Jaysingpur

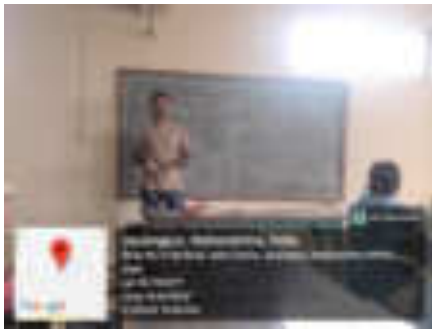
Department of Zoology

Guest Lecture on "Competitive Exam Guidance"

Department of Zoology has arranged a guest lecture on "Competitive Exam Guidance" for B. Sc. III Zoology students on 21st May 2022 at 12.30 am in the Department of Zoology. Dr. Sachinkumar R. Patil, Head, Department of Zoology has delivered introductory speech and heartily welcomed Guest of honor, staff and all students for this session. Chief Guest of the



function Mr. Kiran Choudaj (NET, SRF and Research Scholar, Savitribai Phule Pune University, Pune) was felicitated by offering the flowers as a token of love. Mr. Kiran has delivered his talk with special reference to various government and non government



post to be filled after B. Sc. as well as M. Sc. Zoology. He has also given information regarding higher education opportunities after B. Sc. Zoology. He has discussed about various competitive examinations organizing by State and Central Governments. His talk was a motivating element for the students of B. Sc.

students. In this lecture 23 students from the Zoology Department and 2 students from the Botany department were participated. Miss Sadiya Patel has delivered vote of thanks and concluded the session.



Sachinkumar R. Patil
Head
Department of Zoology



Anekaant Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Email: iqacjpscollege@gmail.com

Activity Report

Organised By: Department of Zoology and Botany

Year:	2021-22
Name of the Activity:	Guest lecture on “Strategies to Crack Competitive Examination in life sciences”
Date:	10/04/2022
Venue:	Department of Zoology and Botany
Co-ordinator:	Dr. Sachin Patil
Organised for: College/class/ staff	Students of B. Sc. III
No. of Participants	60
Nature: (e.g. Academic, cultural, sports etc)	Academic
Objectives of the Activity	To familiarize students with the SET, NET and other exams, and emerging ideas on how to sustain in the present competitive world and to develop personality.
Chief Guest/s or Resource Person/s	Mr. Omkar Girkar
Short Report (in English)	The webinar on “ <i>Strategies to Crack Competitive Examination in life sciences</i> ” has been conducted by Placement and career counselling cell, Department of Zoology and Department of Botany. Shri Girkar discussed regarding various competitive examinations like NET, SET, and GATE etc. He also discussed regarding various opportunities after graduation in Botany and Zoology.
Outcome/Remark	Lecture enhance the knowledge of competitive exams among the students for their better carrier.

(# Photos, participant’s list and other documents are attached)



JAYSINGPUR COLLEGE

QHC5+434, Shahunagar, Jaysingpur,
Kolhapur, Maharashtra 416 101

DEPARTMENT OF ZOOLOGY & BOTANY (LIFE SCIENCE)

ORGANIZES WEBINAR ON

'STRATEGIES TO CRACK COMPETITIVE EXAMINATION IN LIFE SCIENCES'

Patron

Dr. M. V. Kale

Principal, Jaysingpur College

Chairperson

Dr. G. H. Nikam

Placement Officer

Co-ordinator

Dr Sachin Patil

Head, Department of Zoology

Convener

Dr Suraj Umadale

Department of Botany

Resource Person



Mr. Omkar Girkar

Institute For Advanced Studies, Pune

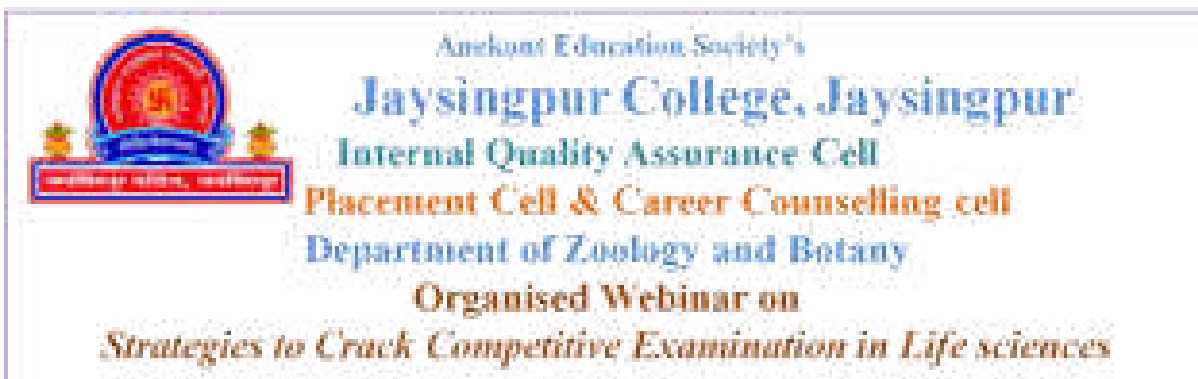


SUN, 10TH APR.



12.30 PM

PLATFORM FOR WEBINAR - GOOGLE MEET



Date: 10.04.2022

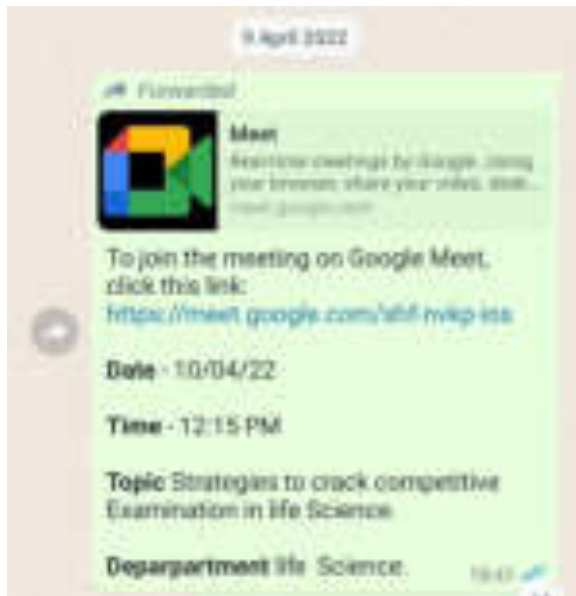
The webinar on “*Strategies to Crack Competitive Examination in life sciences*” has been conducted by Placement and career counselling cell, Department of Zoology and Department of Botany on Sunday, 10th April 2022 at 12.30 pm on Google meet. This webinar was organised in association with Institute for Advanced Studies, Pune. Mr. Omkar Girkar was Resource Person for this webinar. In this webinar around 60 students have been actively participated. Dr. S R Patil, Head Department of Zoology has introduced the resource person. Dr. Suraj Umadale proposed vote of thanks for this webinar. Dr. G. H. Nikam has worked as chairperson.

Shri Girgar discussed regarding various competitive examinations like NET, SET, and GATE etc. He also discussed regarding various opportunities after graduation in Botany and Zoology.

Convenor



Head
Department of Zoology



12:26 WED 9 APR 2022

About this call

People	Information
Sarvesh Kulkarni	🔍 1
Adhya Shakti	🔍 1
Anshu Parveen	🔍 1
Anurag Mnarhe	🔍 1
Arpita Fale	🔍 3
Arpita Turle	🔍 1
Ashish Vasthye	🔍 1
ASHLESHA SAPHKAL	🔍 1
Ashwin Chaudhari	🔍 3
Shivash Vitekar	🔍 1
Devyani Lathre	🔍 1
Shikha Mathman	🔍 3
Farheen Shaikh Abdul Aq...	🔍 1
Gejneri Bavare	🔍 1
...	🔍 1

List of Registered Students

Timestamp	Name of the Learners/Mentee	APPEARING DEGREE	Year of Education	Department	E-mail id
4/8/2022 13:34:37	Yash sunil Vibhute	BSc	Third Year	ZOOLOGY	yashvibhute25@gmail.com
4/8/2022 13:35:14	Rajat Karale	BSc	Third Year	ZOOLOGY	karalerajat246@gmail.com
4/8/2022 13:37:07	Kshitija chandrakant koli	BSc	Third Year	ZOOLOGY	Kshitihakoli2@gmail.com
4/8/2022 13:39:59	Sana Ayub Pathan	BSc	Third Year	ZOOLOGY	Sanaathan2019@gmail.com
4/8/2022 13:55:38	Kaveri Nijaguni Panadare	BSc	Third Year	ZOOLOGY	kaveripanadare@gmail.com
4/8/2022 14:22:51	Tasmaiya Rajaram Kothale	BSc	Third Year	ZOOLOGY	tasmiyakothale7866@gmail.com
4/8/2022 14:23:26	Ashwini Sanjay chandure	BSc	Third Year	ZOOLOGY	ashwinichandure06@gmail.com
4/8/2022 14:31:49	MANE VIDYARATNA SUDHAKAR	BSc	Third Year	ZOOLOGY	vidyaratnamane@gmail.com
4/8/2022 14:46:59	Muskan Basheer Patel	BSc	COMPLETED	BOTANY	patelmuskan251@gmail.com
4/8/2022 14:55:34	Chetan Rajendra Chivate	MSc	COMPLETED	BOTANY	chetanr45@gmail.com
4/8/2022 14:56:27	Sifa Samiullah Patel	BSc	COMPLETED	BOTANY	patelsifa2000@gmail.com
4/8/2022 15:19:24	Mariya shaikh	BSc	Second Year	ZOOLOGY	shaikhzuber526@gmail.com
4/8/2022 15:32:42	Mariyam	BSc	COMPLETED	ZOOLOGY	mariyaminamdar16@gmail.com
4/8/2022 15:34:19	Saloni Patil	BSc	COMPLETED	BOTANY	Salonipatil181802@gamil.com
4/8/2022 15:52:02	Rutuja santosh more	BSc	Third Year	BOTANY	rutujamore002@gmail.com
4/8/2022 16:00:30	Patil Ravina Ravaso	MSc	COMPLETED	ZOOLOGY	ravinapatil20026@gmail.com
4/8/2022 16:57:43	Anure Aishwarya Mahadev	MSc	First Year	ZOOLOGY	aishwaryaanure2000@gmail.com
4/8/2022 19:11:12	Tejaswini Salunkhe	BSc	COMPLETED	ZOOLOGY	tejaswinijsalunkhe11@gmail.com
4/8/2022 19:48:56	Sanyogita Dilip Patil	BSc	COMPLETED	ZOOLOGY	sanyogitapatil2211@gmail.com
4/8/2022 19:56:49	Patel Sifat Akhtar	BSc	Third Year	ZOOLOGY	patelsifat50@gmail.com
4/8/2022 20:06:57	Anurag Devendra Minache	BSc	Third Year	ZOOLOGY	Minacheanurag@gmail.com
4/8/2022 20:18:44	Arati Laxman Nirmal	BSc	Third Year	ZOOLOGY	aratinnirmal22@gmail.com
4/8/2022 20:20:06	Arati Laxman Nirmal	BSc	Third Year	ZOOLOGY	aratinirmal22@gmail.com
4/8/2022 21:55:05	Fatima Sardar Bargir	BSc	Third Year	ZOOLOGY	fatimabargir2001@gmail.com

4/8/2022 23:38:58	Tabassum salim bargir	BSc	Third Year	ZOOLOGY	Anisbargeer123@gmail.com
4/9/2022 6:54:13	Akhilesh Atul Kulkarni	BSc	Third Year	ZOOLOGY	Kulkarniakhilesh21@gmail.com
4/9/2022 9:09:36	Prajakta Hemant Walvekar	BSc	Third Year	ZOOLOGY	prajuw117@gmail.com
4/9/2022 9:10:42	Arpita Turke	BSc	Third Year	ZOOLOGY	arpitaturke499@gmail.com
4/9/2022 9:29:31	Ambi Pooja Namdev	MSc	Second Year	ZOOLOGY	poojaambi1504@gmail.com
4/9/2022 9:30:27	Shrutika Sagar Malikwade	MSc	Second Year	ZOOLOGY	shrutikamalikwade@gamil.com
4/9/2022 9:30:50	Ambi Pooja Namdev	MSc	Second Year	ZOOLOGY	poojaambi1504@gmail.com
4/9/2022 9:31:11	Pranita Pradhan Bhagat	MSc	Second Year	ZOOLOGY	bhagatpranita331@gmail.com
4/9/2022 17:02:16	Nihal nijam mujawar	BSc	Third Year	BOTANY	nihalmujawar2000@gmail.com
4/9/2022 19:07:44	Shubham Suresh Surange	BSc	Second Year	Food Science	shubham.surange2677@gmail.com
4/9/2022 19:27:19	ONKAR DASHRATH KAMBLE	BSc	COMPLETED	BOTANY	kambleonkar23@gmail.com
4/9/2022 19:29:03	Sankpal Swarupa Gurunath	MSc	COMPLETED	BOTANY	sankpalswarupa74@gmail.com
4/9/2022 19:30:33	milind bhogam	BSc	Second Year	BOTANY, ZOOLOGY,	milindbhogam2002@gmail.com
4/9/2022 19:31:08	milind bhogam	BSc	Second Year	BOTANY, ZOOLOGY,	milindbhogam2002@gmail.com
4/9/2022 20:06:36	Anuja Suresh Patil	BSc	Second Year	BOTANY, ZOOLOG	anujapatilap22@gmail.com
4/9/2022 20:13:37	Shubham ashok arage	BSc	COMPLETED	BOTANY	Shubhamarage@gmail.com
4/9/2022 21:12:48	Science	BSc	Third Year	BOTANY	shreenathpatil9909@gmail.com
4/9/2022 22:24:44	Rutuja Sunil Mali	BSc	Third Year	ZOOLOGY	rutujamali0804@gmail.com
4/10/2022 8:09:33	Mohini rajkumar Kamble	BSc	COMPLETED	BOTANY	mk0801277@gmail.com
4/10/2022 9:55:07	Omkar Nimbalkar	BSc	Second Year	CHEMISTRY	omkarnimbalkar2222@gmail.com
4/10/2022 12:15:00	Arpita Turke	BSc	Third Year	ZOOLOGY	aniketturke@gmail.com



Anekant Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Email: iqacjpscollege@gmail.com

Activity Report

Organised By: Department of Zoology and Botany

Year:	2021-22
Name of the Activity:	Guest lecture on "Carrier opportunity in Life sciences"
Date:	12/03/2022
Venue:	Department of Zoology
Co-ordinator:	Dr. Sachin Patil
Organised for: College/class/ staff	Students of B. Sc. III (Botany and Zoology)
No. of Participants	25
Nature: (e.g. Academic, cultural, sports etc)	Academic
Objectives of the Activity	To assist students in seeking out opportunities to gain experience within their chosen carrier field.
Chief Guest/s or Resource Person/s	Dr. Rahul Patil
Short Report (in English)	Department of Zoology has arranged a guest lecture on "Carrier opportunities in Life Sciences" for B. Sc. III Zoology and Botany students. Dr. Rahul Patil, A INSPIRE fellow of DST taken the charge of dais and deeply enlighten the Carrier opportunities in the Life Sciences with special reference to research field. He has touched all the minute fields of research opportunities in public as well as private sectors. He has also put a light on the various fellowships offered by government and various private institutes and NGOs for the research. He also motivated all B. Sc. III students by setting his own research journey in front of them.
Outcome/Remark	Carrier guidance helps the students to reflect on their ambitions, interest and abilities.

(# Photos, participant's list and other documents are attached)



Jaysingpur College Jaysingpur

Department of Zoology

Guest Lecture on “Carrier opportunities in Life Sciences”

Department of Zoology has arranged a guest lecture on “Carrier opportunities in Life Sciences” for B. Sc. III Zoology and Botany students on 12th March 2022 at 11.30 am in



the Zoology Department. Dr. Sachinkumar R. Patil, Head, Department of Zoology has delivered introductory speech and heartily welcomed Guest of honor, staff and all students for this session. Dr. Suraj D. Umdale, Assistant Professor, Department of Botany has felicitated Dr. Rahul S. Patil, Chief Guest of the function by offering the flowers as a token of love. Dr. Sachinkumar R. Patil, felicitated Dr. Suraj D. Umdale. Dr. Rahul Patil, A INSPIRE fellow of DST taken the charge of dais and deeply enlighten the Carrier

opportunities in the Life Sciences with special reference to research field. He has touched all the minute fields of research opportunities in public as well as private sectors. He has also put a light on the various fellowships offered by government and various private institutes and NGOs for the research. He also motivated all B. Sc. III students by setting his own research journey in front of them. In this lecture 23 students from the Zoology Department and 2 students from the Botany department were participated. Miss Sadiya Patel has delivered vote of thanks and concluded the session.



Sachinkumar R. Patil
Head
Department of Zoology



Anekant Education Society's

Jaysingpur College, Jaysingpur

Activity Report

Organised By: Department of Chemistry

Year:	2021-22
Name of the Activity:	One Day Workshop on Preparation Of Household Chemicals
Date:	10 August 2022
Venue:	Conference Hall and UG Chemistry Lab
Co-ordinator:	Mr. Kabir R Kumbhar
Organised for: College/class/ staff	BSc III Chemistry Students 2021-22
No. of Participants	32
Nature: (e.g. Academic, cultural, sports etc)	Research Methodology
Objectives of the Activity	To encourage students for research as a part of ecosystem for innovations and as an initiative for creation and transfer of knowledge
Chief Guest/s or Resource Person/s	1. Dr. K. V. Gaikwad, Rajarshi Chhatrapati Shahu College, Kolhapur
Short Report (in English)	The one day workshop on Preparation Of Household Chemicals was organised on 10-08-2022 by department of chemistry. The resource person and the chief guest Dr. K. V. Gaikwad guided students through demonstration and hands on training about the preparation of house hold chemicals such as phenyl, detergent soap etc.
Outcome/Remark	Workshop was conducted successfully and students prepared their own soap and phenyl. Workshop was a success in terms of generating interest amongst students about laboratory chemistry and entrepreneurship in chemical industry.

(# Photos, participant's list and other documents are attached)



Estd. June 1964

Amshant Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

• Affiliated to Shivaji University, Kolhapur

• Autonomous College

• Recognized at 'A' Grade (NAAC)

• UBT - PBT [Level - I] sponsored

Address : Dhruv-Wadi Road, Jaysingpur - 416 011, Dist. Kolhapur, State - Maharashtra, India

• Tel. (02) 02322 - 225381 / 481 • Website - www.jaysingpurcollege.edu.in • E-mail - jccollegepsa@gmail.com

Report

One day workshop and hands on training in Preparation of household chemicals

The one day workshop “Preparation of household chemicals” has been organised on 10-08-2022 by Skill course: Preparation of household chemicals and department of chemistry. The goal of this workshop was to generate interest amongst students about laboratory chemistry and entrepreneurship in chemical industry. Total 32 students of BSc III (2021-22) were participated in this workshop.



Students with Dr. K. V. Gaikwad after successful completion of the workshop

The resource person and the chief guest Dr. K. V. Gaikwad guided students through demonstration and hands on training about the preparation of house hold chemicals such as phenyl, detergent soap etc.

Students individually made soaps and phenyl by their own hands, photos of those are attached with the report. Dr. B. M. Sargar, Head, Department of Chemistry welcomed all guests and discussed motives of workshop.



		Roll no	
11	Shivraj Baliram Khilare	19	19
12	Jineshwar Baboo Chakole	126	126
13	Sushant Sonny Jyoti	127	127
14	Sahana Vijay Kore	128	128
15	Ashish Suresh Shinde	197	197
16	Vaibhav Ravinder Vithale	242	242
17	Harsh Mahadev Patil	233	233
18	Adwin Chawan Khandekar	240	240
19	Pratik Tejalash Chougale	242	242
20	Abhishek Nagesh Khilare	16	16
21	Kranti Krishna Jhar	260	260
22	Kiran Sambhaji Pujari	160	160
23	Lingraj Gavind Kalane	250	250
24	Manojan Shwappa Babate	210	210
25	Karuna Shashikant Kamble	05	05
26	Ritika Popat Kamble	05	05
27	Pratibha Hemant Kore	141	141
28	Vaishnavi Chandiram Akivate	139	139
29	Supriya Anil Kulkarni	06	06
30	Alka Manoj Khatave	136	136
31	Tejashree Sanjay Khandekar	273	273
32	Mane Pranjata Prakash	218	218
33	Malgave Shweta Kuber	410	410
34	Vaishnavi Pratibha Bandgar	127	127
35	Priyanka Parvati Nidome	188	188
36	Vinitali Rajendra Patil	42	42
37	Indira Chaitanya Kamble	07	07
38	Arati Jayavard Patil	134	134
39	R. Rishi Rakshak Kamal	172	172
40	Abhishek Rajendra Pawar	207	207
41	Tejas Shivaji Manojkumar	210	210
42	Rakshak Manojkumar	22	22

Photos





Anekant Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Email: iqacjspcollege@gmail.com

Activity Report

Organised By: Department of Zoology

Year:	2021-22
Name of the Activity:	Poster presentation competition
Date:	16/03/2022
Venue:	Department of Zoology
Co-ordinator:	Miss Archana Dhandale
Organised for: College/class/ staff	Students (B. Sc. I, II and III)
No. of Participants	18
Nature: (e.g. Academic, cultural, sports etc)	Academic
Objectives of the Activity	To understand the techniques and aesthetics behind an effective poster presentations
Chief Guest/s or Resource Person/s	Nil
Short Report (in English)	On the occasion of science day Science Forum has organized Poster presentation competition. Students have invited from various departments from Jaysingpur College. Competition was judged by six juries and total four prizes were declared.
Outcome/Remark	Students are able to visually represent the key points and while presenting elaborate on the same which facilitates their retention and recall of events and facts.

(# Photos, participant's list and other documents are attached)

Anekant Education Society's

Jaysingpur College Jaysingpur

Department of Zoology

B. Sc. III

Poster presentation

2021-2022

On the occasion of science day Science Forum has organized Poster presentation competition on 16/03/2022. Students have invited from various departments from Jaysingpur College. 10 teams from Zoology Department have been participated in this competition with total of 18 students. Competition was judged by six juries and total four prizes were declared. Following teams achieved prize in this competition from Zoology Department.

Sr No.	Name of students	Prize no.
1	Miss. Arati Nirmal Miss. Kaveri Pandare	3 rd
2	Miss. Mariya Shaikh Miss. Fatima Bargir	4 th



Anekant
Head
Department of Zoology



Anekant Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Email: iqacjspcollege@gmail.com

Activity Report

Organised By: Department of Zoology

Year:	2021-22
Name of the Activity:	Quiz competition
Date:	11/03/2022
Venue:	Department of Zoology
Co-ordinator:	Miss. Ravina Patil
Organised for: College/class/ staff	Students (B. Sc. I, II and III)
No. of Participants	30
Nature: (e.g. Academic, cultural, sports etc)	Academic
Objectives of the Activity	To evaluate the knowledge of the participants within academics as well as beyond academics
Chief Guest/s or Resource Person/s	Nil
Short Report (in English)	Keeping in view the need for creating sense of scientific attitude among youngsters, Department of Zoology and Science association has organized a quiz competition on the occasion of Science day. The various students from all science departments of college actively participated in this activity. This competition was totally hosted by the students of B. Sc. III (Zoology)
Outcome/Remark	Quiz competition enhance the students to think from different angles or simply "To think out of the box" and to promote group harmony.

(# Photos, participant's list and other documents are attached)

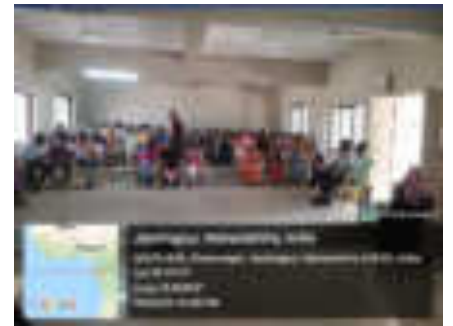
Anekant Education Society's
Jaysingpur College Jaysingpur

**Quiz Competition organized by
Department Zoology with Science association
2021-22**

Keeping in view the need for creating sense of scientific attitude among youngsters, Department of Zoology and Science association has organized a quiz competition on the occasion of Science day on 11th March 2022. This competition was totally hosted by the students of B. Sc. III (Zoology). Total three rounds have been included in this competition. 10 teams were participated for this quiz competition from various departments with total of 30 students and total three prizes were declared. Following teams achieved prizes in this competition. Winner teams were awarded with bouquet with a gift and Certificates were given to all participants.

Following teams achieved prize in this competition

Sr no.	Name of students	Prize no.
1	Mr. Mallikarjun Kabade Mr. Abhishek Powar Mr. Tejas Mangutte	1 st
2	Mr. Harhad Khare Mr. Sourabh Karmare Mr. Chandrashekhar Kalanre	2 nd
3	Miss. Shubhangi Kachare Miss. Sushma Babar Miss. Chaitali Magdum	3 rd





S. K. Singh
Head
Department of Zoology



Anekant Education Society's
Jaysingpur College, Jaysingpur

Activity Report

Organised By: **IQAC, Department of Botany and Zoology**

Year:	2021-22
Name of the Activity:	Guest Lecture
Date:	22 nd March, 2022
Venue:	Conference Hall, Jaysingpur College
Co-ordinator:	Dr. Suraj D. Umdale and Dr. S. R. Patil
Organised for: College/class/ staff	Students, Teachers, Administrative staff, and Farmers
No. of Participants	76
Nature: (e.g. Academic, cultural, sports etc)	Extension Activity
Objectives of the Activity	To know the various techniques for enhancement of Sugarcane Production
Chief Guest/s or Resource Person/s	Dr. Balakrushna Jamadgni M.Sc.(Agri), Ph. D
Short Report (in English)	The department of Botany, Zoology and IQAC jointly organized a guest lecture on the Approaches for Enhancement of Sugarcane Production . The resource person, Dr. Balakrishana Jamadgni is known as sugarcane expert and had given information about the how to increase the sugarcane production by using simple techniques, such as sugarcane planting, treating sugarcane seeds, used of fertilizers (संजीवके), and irrigation to sugarcane field. The program was conducted under the guidance and presence of Chairmen of Local Committee, Dr. Subhash Adadande, Secretary Dr. Mahaveer Akkole and Ag. Principal Prof. Dr. M. V. Kale.
Outcome/Remark	The sugarcane growing farmers, students, teachers and staff have benefited with the valuable guidance of Dr. Balakrishana Jamadgni for enhancement of sugarcane production





Anekant Education Society
Jaysingpur College, Jaysingpur
Department of Botany and Zoology

AY: 2021-22

Extension Activity

A guest lecture on

“Approaches for Enhancement of Sugarcane Production”

22nd March, 2022

The Internal Quality Assurance Cell (IQAC), Department of Botany, and Zoology have organized the guest lecture on jointly organized a guest lecture on the **“Approaches for Enhancement of Sugarcane Production”** on **22nd March 2022**.

The publicity of guest lecture was done through the various whatsapp groups of Teachers, students, staff and Farmers. Almost 76 participants which include teachers, students, administrative staff and farmers in Jaysingpur were participated in the program.



The program was started at **11:00 am** with the welcome and preface of the program by Dr. Suraj Umdale. He told that, why there is need to implement the various techniques for the enhancement of sugarcane production and also increase the wealth of farmers of Western Maharashtra. Dr. Sachinkumar Patil, Head, Department of Zoology gave an introduction of chief guest and resource person Dr. Balkrushana Jamadgni who has an imminent plant breeder and known as Sugarcane expert. Dr. Jamadgni wrote a book “ऊस संजीवनी” on sugarcane production. The program was proceed with felicitation of the chairperson of session Mr. Mohan Ketkar, chief guest Dr. Balkrushana Jamadgni, Honorable chairmen of Local Committee, Jaysingpur College Jaysingpur, Dr. Subhash Adadande, Honorable secretary Dr. Mahaveer Akkole and Principal Prof. Dr. (Mrs.) M. V. Kale.

The talk of Dr. Jamadagni begins with question, what is mean by the Record Yield and difference between the sugarcane yield of various farmers and given formula for the yield enhancement. He briefly explained the factors affecting the yield of sugarcane such as, soil, water, fertilizers, various plant growth regulators and space between the two rows of sugarcane.

विक्रमी उत्पादनासाठी ऊस संजीवनी

डॉ. बाळकृष्ण महादेव जमदग्नि
M.Sc.(Agril), Ph.D.

वनस्पती शरीर क्रिया शास्त्रज्ञ

नरसोबावाडी, ता. शिरोळ, जि. कोल्हापूर - 416 104

मोबा. 9422627762

जयसिंगपूर कॉलेज जयसिंगपूर

जयसिंगपूर, जयसिंगपूर - ४१६१०४

विक्रमी उत्पादनासाठी ऊस संजीवनी

डॉ. बाळकृष्ण महादेव जमदग्नि

वनस्पती शरीर क्रिया शास्त्रज्ञ

नरसोबावाडी, ता. शिरोळ, जि. कोल्हापूर - ४१६१०४

मोबा. ९४२२६२७७६२

He has also given various examples to explain the how leaf area will affect the sugarcane yield. With various diagrams and examples he had explained how organic fertilizers are important for growth and development of sugarcane plant, applications of Biofertilizers and their role in plant metabolism, and explained the “Blackman Theorem”. He has shared the knowledge of various components and formulation of “ऊस संजीवनी व संजीवके”. At the end of his talk he shared the success stories of record yield of sugarcane.



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Attendance Sheets

The participants have raised their questions and Dr. Jamadagni has given the satisfactory answers to all the questions. At the end of program participants got the good information about sugarcane plantation. The Dr. Jamadagni donated his books to library and on behalf of college, our Principal Dr. Mrs.) M. V. Kale had received the books. The vote of thanks was given by Prof. Dr. N. L. Kadam and he declared that program was over.



Dr. Suraj D. Umdale
Department of Botany
Organizing Secretary

Dr. Sachinkumar R. Patil
Department of Zoology
Organizing Secretary

COORDINATOR
Internal Quality Assurance Cell (IQAC)
Jaysingpur College, Jaysingpur (M.E)



PRINCIPAL
Jaysingpur College, Jaysingpur



Anekant Education Society's

Jaysingpur College, Jaysingpur

Activity Report

Organised by: Science Association and IQAC

Year:	2022
Name of the Activity:	Celebration of National Science Day
Date:	16 March 2022
Venue:	Conference Hall
Co-ordinator:	Dr. J. B. Patade
Organised for: College/class/ staff	College
No. of Participants	82
Nature: (e.g. Academic, cultural, sports etc)	Extension Activity
Objectives of the Activity	Social responsibility of each individual
Chief Guest/s or Resource Person/s	Prof. Dr. N. S. Shinde, K.B.P. College, Islampur, Sangli
Short Report (in English)	(16 March 2022): National Science Day is celebrated at Jaysingpur College by Science Association and IQAC.
Outcome/Remark	Awareness about science.

(# Photos, participant's list and other documents are attached)



Aneka Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Email: iqacjspcollege@gmail.com

Name of the activity: Celebration of National Mathematics Day

Report: The National Science Day is celebrated on February 28 every year across India. This day commemorates the invention of the 'Raman Effect' by the great Indian physicist, Sir Chandrasekhara Venkata Raman. Sir Raman, on this same date, had invented the Raman Effect in the year 1928. For his contribution in the field of science, Sir Raman was awarded with the Nobel Prize in the Physics in the year 1930. By celebrating this day as National Science Day, we show our dignity and respect to the famous Indian physicist for his contribution in the field of Science.

Miss. Sana Pathan, Miss. Ashwini Chandure, & Miss. Vidyaratna Mane of T. Y., B.Sc. Zoology department students have welcomed all the dignitaries on the dais and participants. The chief guest, Prof. Dr. N. S. Shinde worshiped Sir C. V. Raman wearing a garland of photos Dr. Mahaveer Akkole, Secretary, Local Committee Jaysingpur College, Jaysingpur felicitated the chief guest, Prof. Dr. N. S. Shinde, K.B.P. College, Islampur, Sangli in the presence of Ag. Principal Prof. Dr. (Mrs.) M. V. Kale, Vice-Principal Mr. R. D. Tasgaovkar, Dr. R. D. Mane, Dr. P. P. Chikode, Dr. S. R. Sabale, Dr. J. B. Patade, Dr. S. R. Patil. Dr. J. B. Patade, Convener of this event has given the prelude. Dr. R. D. Mane has given a brief introduction to the resource person. Dr. RD Mane's book on physics was published at the hands of dignitaries. Also, the students who have achieved proficiency at different levels were honored by giving prizes at the hands of dignitaries. Prof. Dr. N. S. Shinde delivered a lecture on the topic of Astronomy and Astrology. Dr. Mahaveer Akkole carried the keynote address. Finally, the vote of thanks was given by Dr. S. R. Patil.





Jayasingpur, Maharashtra, India
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 Long 74.887909°
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Jayasingpur, Maharashtra, India
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Jayasingpur, Maharashtra, India
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Dr. J. B. Patade
 Convener
 Science Association



#4/e
 Agri Principal
 Jayasingpur College, Jayasingpur



Anekant Education Society's

Jaysingpur College, Jaysingpur

Affiliated to Shivaji University, Kolhapur || Reaccredited by NAAC with 'A' Grade || DST-FIST [Level I] Sponsored College Minority College

National Science Day

Organized by

Science Association and Internal Quality Assurance Cell (IQAC)

16th March 2022 @ 11.00 am

Event Name: Guest Lecture Attendance

S. No.	Name of Student	Class	Sig
1	Nihal Nijam Mulwar	B.Sc-III Botany	N.H. Mulwar
2	Satyam Vijay KERE	B.Sc III Chemistry	Satyam
3	Abhishek Rajkumar Konde	B.Sc III Chem.	Abhishek
4	M. Tawad Salem Mulla	B.Sc I & II Chem.	M.T.M.
5	Sachin Lokman Anothkar	B.Sc III Chemistry	Sachin
6	Sahil Khayrabad Rajwar	B.Sc III Chemistry	Sahil
7	Prerna Ramesh Akiwade	B.Sc-III Chemistry	Prerna
8	Kritag Sambhaji Pujari	B.Sc III Chemistry	Kritag
9	Kanishk Ashok Herwadkar	B.Sc III Chemistry	K.A. Herwadkar
10	Pratik Dipak Karmale	B.Sc III Chemistry	Pratik
11	Pooja Manik Jagtap	B.Sc III Chemistry	Pooja
12	Tejas S. Manglik	B.Sc III Chemistry	Tejas
13	Anirudh D. Minchekar	B.Sc III Botany	Anirudh
14	Abhishek A. Kulkarni	B.Sc III Botany	Abhishek
15	Vishal R. Magnum	B.Sc III Chemistry	Vishal
16	Ujjwal Aditya V.	B.Sc-I	Ujjwal
17	Chaitanya P. Ujjwal	B.Sc-I	Chaitanya
18	Pranav Anil Mane	B.Sc-I	Pranav
19	Tarun Chaitan Kani	B.Sc-I	Tarun
20	Surya A. Nimbalkar	B.Sc-III Chem	Surya
21	Vaibhav Prabhakar Govilkar	B.Sc-III Chem	Vaibhav
22	Sushant Sanjay Chougale	B.Sc-III Stat	Sushant
23	Ashwin S. Khondkar	B.Sc-III Chem	Ashwin
24	Pratik Prakash Chougale	B.Sc III Chem.	Pratik
25	Tarun T. Samrajwar	B.Sc III Math	Tarun
26	Sushil S. Patil	B.Sc III Maths	Sushil

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Jaysingpur College, Jaysingpur



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National Science Day

Organized by
Science Association and Internal Quality Assurance Cell (IQAC)

16th March 2022 @ 11.00 am

Event Name: Guest Lecture

Attendance

Sr. No.	Name of Student	Class	Sig
1	Prayansh Kalgonda Patil	B.Sc III	[Signature]
2	Rutvik Santosh Chougale	B.Sc III	[Signature]
3	Yogesh Rajendra Kakhar	B.Sc III	[Signature]
4	Vinay Ganesh Babar	B.Sc III	[Signature]
5	Vinay Ganesh Babar	B.Sc III	[Signature]
6	Vishal Rajendra Chougale	B.Sc III	[Signature]
7	Pratik Prakash Chougale	B.Sc III	[Signature]
8	Vishay Ramdas Vibhute	B.Sc III	[Signature]
9	Rahul Hidayat Nade	B.Sc III	[Signature]
10	Shrawan S. Karande	B.Sc III	[Signature]
11	Abhishek N. Khilare	B.Sc III	[Signature]
12	Abhishek R. Pawar	B.Sc III	[Signature]
13	Rakesh M. Mane	B.Sc III	[Signature]
14	Krishik Sankar Patil	B.Sc III	[Signature]
15	Aditya Santosh Patil	B.Sc III	[Signature]
16	Lingraj Girish Karmare	B.Sc III	[Signature]
17	Rahul Ashok Karmare	B.Sc III	[Signature]
18	Pushkaraj Anurag Patil	B.Sc III (Food Science)	[Signature]
19	Vikas Bhau Warang	B.Sc III (Food Science)	[Signature]
20	Nishu Shrawan Mandekar	B.Sc III	[Signature]
21	Shrawani Bharat Halbe	B.Sc III (Maths)	[Signature]
22	Anaaji Ramasahab Panadare	B.Sc III (Maths)	[Signature]
23	Samiksha Rajkumar Kale	B.Sc III (Maths)	[Signature]
24	Saundarya Narajao Upadhye	B.Sc III (Maths)	[Signature]
25	Pelini Poojara Shambhaji	B.Sc III (Maths)	[Signature]
26	Sardul Sanjay Patil	B.Sc III (Maths)	[Signature]

[Signature]
PRINCIPAL
Jaysingpur College, Jaysingpur



Anekant Education Society's

Jaysingpur College, Jaysingpur

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National Science Day

Organized by

Science Association and Internal Quality Assurance Cell (IQAC)

16th March 2022 @ 11.00 am

Event Name: Guest Lecture

Attendance

Sr. No.	Name of Student	Class	Sig
1	Sushama Dattatray Dapale	BSc-I	S.Dapale
2	Sushama Nandkumar Babat	Bsc - I	S.N.Babat
3	Shubhangi Dilip Kachare	BSc-I	S.Kachare
4	Supriya Anil Kunnure	BSc-III	S.Kunnure
5	Vansha Dhondan Aklwale	BSc-III	V.Aklwale
6	Karuna Shashikanth Kombe	BSc-III	K.Kombe
7	Nikita Manasi Khatave	B.Sc - III	N.Khatave
8	Pranjata Dnykumar Shirdhane	B.Sc - III	P.Shirdhane
9	Pratiksha Bhimaram Kane	B.Sc - III	P.Kane
10	Pranjata hemant valuchkar	B.Sc - III	P.Valuchkar
11	Apita Suresh Turke	B.Sc - III	A.Turke
12	Tarunigd Rajaram Khatke	BSc - II	T.Khatke
13	Zubeda AbduKader Momin	B.Sc - 3 rd	Z.Momin
14	Rituja Rajendra Gholap	BSc - III	R.Gholap
15	Priha. P. Isambale	B.Sc - III	P.Isambale
16	Shweta K. Malpave	BSc - III	S.Malpave
17	Rupali Bhupal Mali	B.Sc II	R.Mali
18	Pranali pravin khamkar	B.Sc III	P.Khamkar
19	Aishwarya Sanjay Lote	B.Sc III	A.Lote
20	Snehal R. Magdum.	B.Sc. III	S.Magdum
21	shruiti D. Yadav	BSc II	S.Yadav
22	Harshada S. Mirache	BSc II	H.S. Mirache
23	Pallavi M. Komble	BSc II	P.M.K.
24	Nikita K. Chaugule	BSc II	N.K.

Date

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National Science Day

Organized by

Science Association and Internal Quality Assurance Cell (IQAC)

16th March 2022 @ 11.00 am

Event Name: Guest Lecture Attendance

Sr. No.	Name of Student	Class	Sig
1)	Vandana Laxmi P. Bandgar	B.Sc III	[Signature]
2)	Priyanka R. Nidane	B.Sc III	[Signature]
3)	Vrushali R. Patil	B.Sc III	[Signature]
4)	Ashwini R. Bandgar	B.Sc III	[Signature]
5)	Mulan. Surajya J.	B.Sc III	[Signature]
6)	Ashwini Rajashree S.	B.Sc III	[Signature]
7)	Bhuvan Kishna Rajasahab	B.Sc III	[Signature]
8)	Kulaja Chandrakant Jadhav	B.Sc III	[Signature]
9)	Vandana Rajgonda Patil	B.Sc III	[Signature]
10)	Rituja Jivandhar Magdum	B.Sc III	[Signature]
11)	Shahin Mahamad Pathan	B.Sc III	[Signature]
12)	Shubhangi Mahappa Jambare	B.Sc III	[Signature]
13)	Arati Ashok Madhwal	B.Sc III	[Signature]
14)	Pranjita Jaypal Kose	B.Sc III	[Signature]
15)	Ashwini Kuber Malgave	B.Sc III	[Signature]
16)	Vandana Vishwas Borschole	B.Sc III	[Signature]

[Signature]
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Jaysingpur College, Jaysingpur

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National Science Day

Organized by

Science Association and Internal Quality Assurance Cell (IQAC)

16th March 2022 @ 11.00 am

Event Name: Guest Lecture

Attendance

Sr. No.	Name of Student	Class	Sig
1	Shreyas S. Mule	Zoology II	Mule
2	Kali Kshiltija C	II - II	Kali
3	Rutuja S. Mali	II - II	Mali
4	Asati L. Nimbal	II - II	Nimbal
5	Kaveer N. Pandure	II - II	Pandure
6	Akhilish A. Kulkarni	II - II	Kulkarni
7	Anurag D. Mirache	II - II	Mirache
8	Rajat Kamale	II - II	Kamale
9	Vaish Vibute	II - II	Vibute
10	Ashvini Chandure	II - II	Chandure
11	Sana Pathan	II - II	Pathan
12	Vidyaartha more	II - II	more
13	Tabassum S. Boraji	II - II	Boraji
14	Sifat A. Patel	II - II	Patel
15	Pritilata T. Kumbhar	Chemistry III	P.T. Kumbhar
16	Akshata Patil	Chemistry - III	Patil
17	Sanali Pahl	chemistry - III	Pahl
18	Kshiltija Kamble	chemistry - II	Kamble
19	Ritika Kamat	II - II	Kamat
20	Pooja Kamble	II - II	Kamble

Principal
Jaysingpur College, Jaysingpur



Anekant Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Email: iqacjspcollege@gmail.com

Activity Report

Organised By: Department of Zoology

Year:	2021-22
Name of the Activity:	Student Seminars
Date:	01/01/2022 to 25/02/2022
Venue:	Department of Zoology
Co-ordinator:	Dr. S. R. Patil/ A. B. Dhandale/ S. T. Patil/ R. R. Patil
Organised for: College/class/ staff	B. Sc. III students
No. of Participants	23
Nature: (e.g. Academic, cultural, sports etc)	Academic
Objectives of the Activity	To develop stage courage, communication skills, depth of subject knowledge, presentation skill.
Chief Guest/s or Resource Person/s	NA
Short Report (in English)	Department of zoology arranged has student seminars as a Co-curricular activity for B. Sc III Zoology students for development of their stage courage, subject knowledge, personality development etc. Due to Covid pandemic, seminars were organized both online as well offline mode.
Outcome/Remark	Students acquired stage courage and making themselves prepared to deliver seminars

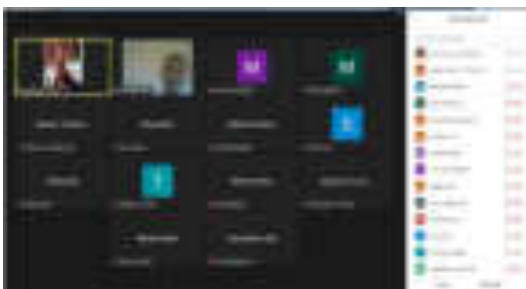
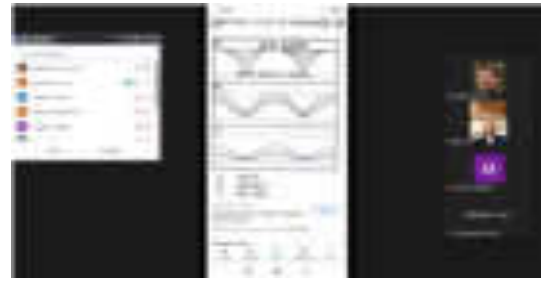
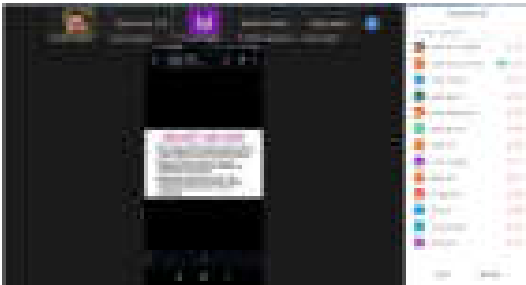
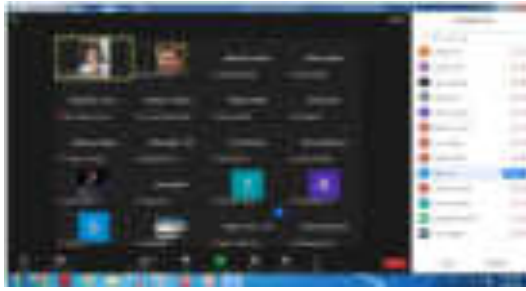
(# Photos, participant's list and other documents are attached)

Anekant Education Society's
Jaysingpur College Jaysingpur
Department of Zoology
B. Sc. III
Students Seminar Report
2021-2022

Department of zoology arranged has student seminars as a Co-curricular activity for B. Sc III Zoology students for development of their stage courage, subject knowledge, personality development etc. Due to Covid pandemic, seminars were organized both online as well offline mode.

Department has arranged Seminars for the B. Sc. III Students, under which following students were participated:

S. No	Name	Topic	Date of Seminar
01	Vidyaratna Mane	Apiculture	29/01/2022
02	Rutuja Mali	Sericulture	01/01/2022
03	Mariya Shaik	V. S. of Skin of Cyclostomes	08/01/2022
04	Fatimn Bargir	V. S. of Skin of Protochordates	08/01/2022
05	Rutuja Magdum	Water Pollution	15/01/2022
06	Shahin Pathan	Derivatives of skin	05/02/2022
07	Sana Pathan	V. S. of Skin of Fishes	29/01/2022
08	Tasmaiya Kothale	V. S. of Skin of Amphibians	05/02/2022
09	Shreya Mule	Endocrinology	01/01/2022
10	Kshitija Koli	Development of stream	15/01/2022
11	Tabassum Bargir	Median	29/01/2022
12	Sifat Patel	V. S. of Skin of Reptiles	22/01/2022
13	Ashwini Chandure	Mean for discrete series	15/01/2022
14	Muskan Shikalgar	V. S. of Skin of Aves	15/01/2022
15	Arpita Turke	Structure and function of heart	22/01/2022
16	Prajakta Walvekar	Mode	29/01/2022
17	Arati Nirmal	Evolution of kidney	22/01/2022
18	Kaveri Panadare	D. N. A. Replication	12/02/2022
19	Anurag Minache	Digestive system	08/01/2022
20	Rajat Karale	Locomotion in Asteroidea	05/02/2022
21	Yash Vibhute	Antigens	08/01/2022
22	Akhilesh Kulkarni	Molecular Engineering	05/02/2022
23	Sana Patel	Types of Chromatophores	22/01/2022



Department of Zoology
University of Jammu



Anekant Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Email: iqacjspcollege@gmail.com

Activity Report

Organised By: Department of Zoology

Year:	2021-22
Name of the Activity:	Wall paper presentation
Date:	23/12/2021
Venue:	Department of Zoology
Co-ordinator:	Miss. Sadiya Patel
Organised for: College/class/ staff	Students (B. Sc.III)
No. of Participants	24
Nature: (e.g. Academic, cultural, sports etc)	Academic
Objectives of the Activity	To provide visual representation of research through text, Charts, Graphs and other visual aids.
Chief Guest/s or Resource Person/s	Dr. S. D. Bansode
Short Report (in English)	Department of Zoology arranged an Inauguration of wallpaper by Vice Principal Dr. S. D. Bansode. On this auspicious day students of B. Sc. III have prepared, displayed and explained wallpapers in front of B. Sc. II students. The function was graced by all faculty members of department and Non-teaching staff. All students of the department have prepared their wallpapers and displayed throughout the year.
Outcome/Remark	Presentation helps the students in building awareness of their subjects.

(# Photos, participant's list and other documents are attached)

Anekant Education Society's
Jaysingpur College, Jaysingpur
Department of Zoology

Inauguration of Wall papers

Department of Zoology arranged an Inauguration of wallpaper by Vice Principal Dr. S. D. Bansode. On this auspicious day students of B. Sc. III have prepared, displayed and explained wallpapers in front of B. Sc. II students on 23rd December 2021. The function was graced by all faculty members of department and Non-teaching staff. All students of the department have prepared their wallpapers and displayed throughout the year.

1- Life cycle of Butterfly

Prepared By : Miss Sifat A. Patel
Miss. Tabassum S. Bargir

2- Genetic Engineering

Prepared By : Miss. Rutuja S.Mali



Department has arranged wallpaper presentation activity, under which following students displayed their wallpapers:

S. No	Name	Roll no	Topic
01	Vidyaratna Mane	43	Omicron
02	Rutuja Mali	65	Genetic Engineering
03	Mariya Shaik	63	DNA, RNA Model
04	Fatimn Bargir	69	
05	Rutuja Magdum	51	Nobel Laureates in Zoology
06	Shahin Pathan	52	
07	Sana Pathan	39	Biodiversity
08	Tasmiya Kothale	40	
09	Shreya Mule	58	Cell organelles
10	Kshitija Koli	158	
11	Tabassum Bargir	173	Butterfly Life cycle
12	Sifat Patel	72	
13	Ashwini Chandure	35	Positive outcomes of Covid - 19 pandemic
14	Muskan Shikalgar	41	
15	Arpita Turke	174	Rare Mammals
16	Prajakta Walvekar	74	
17	Arati Nirmal	57	Extinct animals
18	Kaveri Panadare	67	
19	Anurag Minache	46	Evolution of Human Skull
20	Rajat Karale	44	
21	Yash Vibhute	42	Skeleton system of Human
22	Akhilesh Kulkarni	45	
23	Swaleha Pailwan	175	Food Chain
24	Sana Patel	73	



[Signature]
Head
Department of Zoology



Anekant Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Email: iqacjspcollege@gmail.com

Activity Report

Organised By: Department of Zoology

Year:	2021-22
Name of the Activity:	Webinar on Wildlife and Biodiversity
Date:	07/10/2021
Venue:	Department of Zoology
Co-ordinator:	Dr. Sachin Patil
Organised for: College/class/ staff	All B. Sc. students
No. of Participants	100
Nature: (e.g. Academic, cultural, sports etc)	Academic
Objectives of the Activity	To develop interest and awareness among the students about biodiversity and human conflicts, population ecology and the interconnectedness of the living world.
Chief Guest/s or Resource Person/s	Mr. Raman Kulkarni , Mr. Amol Jadhav and Mr. Girish Panjabi
Short Report (in English)	On the occasion of World Wildlife Week, IQAC and Department of Zoology have planned and successfully executed National online Webinar on Wildlife and Biodiversity. The Webinar was focused on the Biodiversity and wildlife conservation and accordingly resource persons were invited for the plenary lectures from the areas of wildlife.
Outcome/Remark	This webinar encourage students to protect and conserve biodiversity.

(# Photos, participant's list and other documents are attached)

Anekant Education Society's
Jaysingpur College, Jaysingpur
Department of Zoology
Report
Webinar on Wildlife and Biodiversity

On the occasion of World Wildlife Week, IQAC and Department of Zoology have planned and successfully executed National online Webinar on **Wildlife and Biodiversity** on **7th October 2021**.

The present Webinar was focused on the Biodiversity and wildlife conservation and accordingly resource persons were invited for the plenary lectures from the areas of wildlife. During the Webinar two sessions were conducted. Mr. Raman Kulkarni (Honorary Wildlife Warden, Kolhapur District), Amol Jadhav (**Founder Member, Nature Conservation Society, Sangli**) and Mr. Girish Panjabi (**Conservation Biologist, Wildlife Conservation Trust**) were the resource persons for this webinar. Mr. Raman Kulkarni has delivered a lecture on the biodiversity of Tilari Conservation reserve. In his lecture he has focused both the diversity of flora and fauna.

Mr. Amol Jadhav has delivered his speech on Conservation of Biodiversity and Human-Wildlife conflicts. He has given a very nice speech with various examples on human-Wildlife Conflicts. Mr. Girish Panjabi has delivered his speech on Population Ecology. His lecture was a guideline to the beginners in the field of wildlife research with special reference to population ecology. He has explained various methods used to access the population of any wild animals on the field with their pros and cons.

Dr. S. D. Umdale has introduced all honorable guests. Dr. Sachinkumar R. Patil has given an introductory speech and welcomed all invited speakers. The platform used for this online webinar was YouTube. In this webinar more than 100 participants were participated while more than 470 viewers viewed webinar.



Sachinkumar R. Patil
Head
Department of Zoology



Anekant Education Society's
JAYSINGPUR COLLEGE JAYSINGPUR
Department of Botany

Notice

Date: 22/12/2021

All students of B. Sc. III are hereby informed that the **“Wallpaper Activity”** of Subject **BOTANY** is scheduled on **Thursday, 30/12/2021**. The interested students make contact with Miss. P. K Desai and confirm their participation in Wallpaper activity.

Wallpaper Activity

Day: **Thursday**
Date: **30/12/2021**
Time: **11:30 am**
Venue: **Botany Department**


Head
Department of Botany

Anekant Education Society's
JAYSINGPUR COLLEGE, JAYSINGPUR
Department of Botany
A.Y. 2021-22

WALLPAPER ACTIVITY

REPORT

30th December, 2021

The Department of Botany, Jaysingpur College, Jaysingpur has organized a Wallpaper activity on 30th December, 2021. During this event, the all students of third year botany were actively participated in celebration of display of wallpaper activity.

The event was started at 11:30 am with welcome of our chief guest Prof. Dr. Mrs. M. V. Kale, Principle, Jaysingpur College, Jaysingpur. For wallpaper activity Dr. S. D. Umdale, Mr. C.R. Chivate, Ms. P. K. Desai, Ms. S. B. Langare from Department of Botany, and Dr. S. R. Patil, Department of Zoology were showed their gracious presence in wallpaper event.

During event, Prof. Dr. Mrs. M. V. Kale madam discussed about the theme and purpose of the organization of the wallpaper activity. After welcome of guests, the wallpapers were observed by guests in shared their thoughts with participants about wallpapers. During this event, a total seven participants made eleven different wallpapers. The event was over with vote of thanks given by Ms. P. K. Desai and declared that activity was over. The whole event was anchored by Ms. P. J. Desai. The non teaching staff of the department of Botany was present for the wallpaper activity.


Head
Department of Botany



Handwritten Signature
Head
Department of Botany



Anekant Education Society's
Jaysingpur College, Jaysingpur

Activity Report

Organised By: **Department of Botany**

Year:	2021-22
Name of the Activity:	Visit to Botanical Garden
Date:	22 nd December, 2021
Venue:	Nakshtra Botanic Garden, Jaysingpur College, Jaysingpur
Co-ordinator:	Dr. Suraj D. Umdale
Organised for: College/class/ staff	B. Sc. II Botany Students (Batch B3 & F2)
No. of Participants	31
Nature: (e.g. Academic, cultural, sports etc)	Academic Tour
Objectives of the Activity	To know the plants in the Nakshtra Botanic Garden and its importance
Chief Guest/s or Resource Person/s	-
Short Report (in English)	The department of Botany arranged the botanical visit to Nakshtra Botanic Garden, Jaysingpur College, Jaysingpur. A total 31 students were participated in this garden visit along with two teachers. During this visit the student observed the plants present in Nakshtra Botanic Garden and recorded their medical importance.
Outcome/Remark	After visit student are able to identify the medicinal plants in garden and their medicinal values.



Hate
Head
Department of Botany



Anekant Education Society
Jaysingpur College, Jaysingpur
Department of Botany
AY-2021-22

Visit to Nakshtra Botanic Garden

22nd December, 2021

The students of class B. Sc. II Botany visited Nakshtra Botanic Garden, Jaysingpur College, Jaysingpur on 22nd December, 2021. A total 31 students and two staff members were visited Nakshtra Botanic Garden. The botany faculty, Dr. Suraj Umdale, Assistant Professor, department of botany has explained the details of plants in botanic garden. Anekant Education Society Jaysingpur College Jaysingpur has established a plant wealth of Nakshtra botanic garden. The Nakshtra garden we have made for sections namely Lotus tank with lawn medicinal plants, section fruit garden and some flowering shrubs are there. The border is made by planting duranta plants. The aim of establishment of Botanic garden is building up of information on in-situ as well as ex-situ conservation of the threatened and endemic species and their habitats. During visit, about 58 plants of various angiosperm and gymnosperm families were observed by students.

The list of plants present in Botanic Garden, Jaysingpur College, Jaysingpur-

Sr. No	Botanical Name	Family	Marathi Name
1	<i>Aristolochia littoralis</i> Parodi	Aristolochiaceae	बदकवेल
2	<i>Lawsonia inermis</i> L.	Lythraceae	मेहंदी
3	<i>Jatropha integerrima</i> Jacq.	Euphorbiaceae	रतनज्योत
4	<i>Asparagus racemosus</i> Willd.	Asparagaceae	शतावरी
5	<i>Simarouba glauca</i> DC.	Simaroubaceae	लक्ष्मीतरु
6	<i>Santalum album</i> L.	Santalaceae	चंदन
7	<i>Thuja occidentalis</i> L.	Cupressaceae	थुजा
8	<i>Bougainvillea spectabilis</i> Willd.	Nyctaginaceae	बूगनवेल
9	<i>Terminalia arjuna</i> (Roxb. ex DC.) Wight & Am.	Combretaceae	अर्जुन
10	<i>Santalum album</i> L.	Santalaceae	चंदन
11	<i>Costus pictus</i> D. Don	Costaceae	इन्सुलिन

12	<i>Phyllanthus emblica</i> L.	Phyllanthaceae	मोर आवळा
13	<i>Cupressus sempervirens</i> L.	Cupressaceae	सुरू
14	<i>Gymnema sylvestre</i> (Retz.) R.Br. ex Sm.	Apocynaceae	गुडमार
15	<i>Cymbopogon nardus</i> (L.) Rendle	Poaceae	ओळेचा
16	<i>Tabebuia</i> sps.	Bignoniaceae	ताबेबुइया
17	<i>Jatropha curcas</i> L.	Euphorbiaceae	रतनज्योत
18	<i>Murraya koenigii</i> (L.) Spreng.	Rutaceae	कडीपत्ता
19	<i>Spathodea campanulata</i> P.Beauv.	Bignoniaceae	पिचकारी
20	<i>Pimenta dioica</i> (L.) Merr.	Myrtaceae	ऑलस्पाईस
21	<i>Gmelina arborea</i> Roxb.	Lamiaceae	शिवण
22	<i>Moringa oleifera</i> Lam.	Moringaceae	शेवगा
23	<i>Vitex negundo</i> L.	Vitaceae	निर्गुडी
24	<i>Averrhoa carambola</i> L.	Oxalidaceae	स्टारफ्रुट
25	<i>Psidium guajava</i> L.	Myrtaceae	पेरू
26	<i>Annona reticulata</i> L.	Annonaceae	रामफळ
27	<i>Acacia auriculiformis</i> Benth.	Leguminosae	अकेशिया
28	<i>Carissa carandas</i> L.	Apocynaceae	करवंद
29	<i>Punica granatum</i> L.	Lythraceae	डालिंब
30	<i>Mentha × piperita</i> L.	Lamiaceae	पेपरमिंट
31	<i>Plumeria alba</i> L.	Apocynaceae	चाफा
32	<i>Dalbergia sissoo</i> DC.	Leguminosae	शिसव
33	<i>Citrus limon</i> (L.) Osbeck	Rutaceae	लिंबू
34	<i>Artocarpus heterophyllus</i> Lam.	Moraceae	फणस
35	<i>Syzygium cumini</i> (L.) Skeels	Myrtaceae	जांभूळ
36	<i>Garcinia talbotii</i> Raizada ex Santapau	Clusiaceae	लिंबोटी
37	<i>Swietenia mahogani</i> L.	Meliaceae	महोगनी
38	<i>Artocarpus heterophyllus</i> Lam.	Moraceae	फणस
39	<i>Terminalia bellirica</i> (Gaertn.) Roxb.	Combretaceae	बेहडा
40	<i>Artabotrys hexapetalus</i> (L.f.) Bhandari	Annonaceae	हिरवा चाफा
41	<i>Tamarindus indica</i> L.	Leguminosae	चिंच
42	<i>Annona squamosa</i> L.	Annonaceae	सिताफळ
43	<i>Cassia fistula</i> L.	Leguminosae	बहावा
44	<i>Cestrum nocturnum</i> L.	Solanaceae	रातरानी
45	<i>Cycas revoluta</i> Thunb.	Cycadaceae	सायकस
46	<i>Juniperus communis</i> L.	Cupressaceae	होशा
47	<i>Mangifera indica</i> L.	Anacardiaceae	आंबा
48	<i>Aerides crispera</i> Lindl.	Orchidaceae	ऑर्कीड
49	<i>Jacaranda mimosifolia</i> D.Don	Bignoniaceae	निळी गुलमोहर
50	<i>Manilkara zapota</i> (L.) P.Royen	Sapotaceae	चिकू

51	<i>Bauhinia racemosa</i> Lam.	Leguminosae	आपटा
52	<i>Justicia adhatoda</i> L.	Acanthaceae	अडुळसा
53	<i>Bauhinia racemosa</i> Lam.	Leguminosae	आपटा
54	<i>Azadirachta indica</i> A.Juss.	Meliaceae	कडुलिंब
55	<i>Morinda citrifolia</i> L.	Rubiaceae	नोनी
56	<i>Memecylon umbellatum</i> Burm. f.	Melastomataceae	अंजनी
57	<i>Calophyllum inophyllum</i> L.	Clusiaceae	उंडी
58	<i>Caesalpinia bonduc</i> (L.) Roxb.	Leguminosae	सागरगोटा



दि. २२/०४/२०२२

प्रति,
मा. प्राचार्य
जयसिंगपुर कॉलेज जयसिंगपुर.

विषय:- शैक्षणिक भेटीस परवानगी मिळवणेबाबत .

महोदय,

वरील विषयास अनुसरून कनस्पतीशास्त्र विभागाची वी.एस्सी. भाग तीन चे विद्यार्थी .

दि. २२/०४/२०२२ रोजी दत्त नर्सरी, दत्तनगर शिरोळ या ठिकाणी भेटीस जात आहेत . वरी परवानगी
मिळवी . ही विनंती .

permitted
Head

PRINCIPAL

Jaysingpur College, Jaysingpur



Head
विभाग प्रमुख
Head

Department of Botany



Anekant Education Society's
Jaysingpur College, Jaysingpur

Activity Report

Organised By: **Department of Botany**

Year:	2021-22
Name of the Activity:	Visit to Plant Nursery
Date:	22 nd January, 2022
Venue:	Dutta Nursery, Duttanagar, Shirol
Co-ordinator:	Dr. Suraj D. Umdale
Organised for: College/class/ staff	B. Sc. III Botany Students
No. of Participants	05
Nature: (e.g. Academic, cultural, sports etc)	Academic Tour
Objectives of the Activity	To know the various nursery techniques such as grafting
Chief Guest/s or Resource Person/s	Nil
Short Report (in English)	As per the curriculum of Shivaji University, Kolhapur for B. Sc. III Botany. The department of Botany arranged the nursery visit to Dutta Nursery, Shirol. A total 03 students were participated in this visit along with two teachers. During this visit the student got knowledge and hands on training of whip grafting, Approach grafting, T-budding, patch budding in various horticultural plants.
Outcome/Remark	



Hale
Head
Department of Botany



Anekant Education Society
Jaysingpur College, Jaysingpur
Department of Botany

AY-2021-22

Visit to Nursery

22nd January, 2022

The students of class B. Sc. III Botany visited Dutta Nursery, Shirol on 22nd January, 2022. A total 03 students and two staff members were visited Dutta Nursery. The caretaker of nursery explained and showed the various techniques of grafting such as budding, patch grafting, T-budding, and air layering. The techniques of layering such as simple layering and air layering were well explained. Also, the gardener gave demonstration of whip grafting, Approach grafting, T-budding, patch budding in various horticultural plants. The students were also learned and taken hands on training of pruning and plantation. At the end of nursery visit the students got the good experience of various nursery techniques.



Hate
Head
Department of Botany

दि. २२/०१/२०२२

प्रति,
सा. प्राध्यापक,
जयसिंगपुर कॉलेज जयसिंगपुर.

विषय:- शैक्षणिक भेटीस परवानगी मिळानेबाबत.

महोदय,
वरील विषयास अनुसरून वनस्पतीशास्त्र विभागाची बी.एस्सी. माग तीस चे विद्यार्थी.
दि. २२/०१/२०२२ रोजी Oasis Bio-Control Laboratory, Shirol. या ठिकाणी भेटीस जात
आहेत. वरी परवानगी मिळावी. ही विनंती.

Permitted

Head

21-1-2022

PRINCIPAL

Jaysingpur College, Jaysingpur.



Head

विभाग प्रमुख

Head

Department of Botany



Anekant Education Society's
Jaysingpur College, Jaysingpur

Activity Report

Organised By: **Department of Botany**

Year:	2021-22
Name of the Activity:	Industrial Visit to Oasis Biocontrol Laboratory
Date:	22 nd January, 2022
Venue:	Oasis Bio-control Laboratory, Shirol, Kolhapur
Co-ordinator:	Dr. Suraj D. Umdale
Organised for: College/class/ staff	B. Sc. III Botany Students
No. of Participants	05
Nature: (e.g. Academic, cultural, sports etc)	Academic Tour
Objectives of the Activity	To know the various types of biofertilizers, biopesticides and their manufacturing
Chief Guest/s or Resource Person/s	Mr. Pravin Mali
Short Report (in English)	As per the curriculum of Shivaji University, Kolhapur for B. Sc. III Botany. The department of Botany arranged the industrial visit to Oasis Bio-control Laboratory, Shirol. A total 03 students were participated in this industrial visit along with two teachers. During this visit the student got knowledge and hands on training of the manufacturing of various biofertilizers and biopesticides.
Outcome/Remark	After visit student have effectively understood the concept of bio-fertilisers and biopestisides. Also, students have got live demonstration of the manufacture of bio-fertilisers.




Head
Department of Botany



Anekant Education Society
Jaysingpur College, Jaysingpur
Department of Botany
AY-2021-22

Industrial Visit to Oasis Bio-control Laboratory

22nd January, 2022

The students of class B. Sc. III Botany visited Oasis Bio-control Laboratory, Shirol on 22nd January, 2022. A total 03 students and two staff members were visited Oasis Bio-control Lab. The owner of Oasis Bio-control Lab, Mr. Pravin Mali explained and showed the effect of Bio-proming on different crop plants; role of organic manure along with beneficial microbial cultures on plant growth, and antimicrobial effect of common medicinal plants. Also, the he gave demonstration of formation of various biofertilizers and bio-pesticides. The students were also understand and taken hands on training of formation of various biofertilizers and bio-pesticides.



Bale
Head
Department of Botany



Anekant Education Society's
Jaysingpur College, Jaysingpur

Activity Report

Organised By: IQAC, Department of Botany and Zoology

Year:	2021-22
Name of the Activity:	Guest Lecture
Date:	22 nd March, 2022
Venue:	Conference Hall, Jaysingpur College
Co-ordinator:	Dr. Suraj D. Umdale and Dr. S. R. Patil
Organised for: College/class/ staff	Students, Teachers, Administrative staff, and Farmers
No. of Participants	76
Nature: (e.g. Academic, cultural, sports etc)	Extension Activity
Objectives of the Activity	To know the various techniques for enhancement of Sugarcane Production
Chief Guest/s or Resource Person/s	Dr. Balakrushna Jamadgni M.Sc.(Agri), Ph. D
Short Report (in English)	The department of Botany, Zoology and IQAC jointly organized a guest lecture on the Approaches for Enhancement of Sugarcane Production . The resource person, Dr. Balakrishana Jamadgni is known as sugarcane expert and had given information about the how to increase the sugarcane production by using simple techniques, such as sugarcane planting, treating sugarcane seeds, used of fertilizers (संजीवके), and irrigation to sugarcane field. The program was conducted under the guidance and presence of Chairmen of Local Committee, Dr. Subhash Adadande, Secretary Dr. Mahaveer Akkole and Ag. Principal Prof. Dr. M. V. Kale.
Outcome/Remark	The sugarcane growing farmers, students, teachers and staff have benefited with the valuable guidance of Dr. Balakrishana Jamadgni for enhancement of sugarcane production





Anekant Education Society
Jaysingpur College, Jaysingpur
Department of Botany and Zoology

AY: 2021-22

Extension Activity

A guest lecture on

“Approaches for Enhancement of Sugarcane Production”

22nd March, 2022

The Internal Quality Assurance Cell (IQAC), Department of Botany, and Zoology have organized the guest lecture on jointly organized a guest lecture on the **“Approaches for Enhancement of Sugarcane Production”** on **22nd March 2022**.

The publicity of guest lecture was done through the various whatsapp groups of Teachers, students, staff and Farmers. Almost 76 participants which include teachers, students, administrative staff and farmers in Jaysingpur were participated in the program.

APPROACHES FOR ENHANCEMENT OF SUGARCANE PRODUCTION
(सुगन्धकृषि में सुधार के उपाय)

Resource Person:
Dr. Balakrishna Jaisankar
Retired Scientist

Chairperson:
Dr. N. K. Bhatnagar

Organizing Committee:
Prof. Dr. N. K. Bhatnagar (Chairman), Prof. Dr. N. K. Bhatnagar (Secretary), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member)

Guest of Honor:
Dr. N. K. Bhatnagar
In Charge
Jaysingpur College, Jaysingpur

JAYSINGPUR COLLEGE, JAYSINGPUR

Department of Botany and **Department of Zoology**

Jointly Organized Guest Lecture on:
APPROACHES FOR ENHANCEMENT OF SUGARCANE PRODUCTION
(सुगन्धकृषि में सुधार के उपाय)

Resource Person:
Dr. Balakrishna Jaisankar
Retired Scientist

Organizing Committee:
Prof. Dr. N. K. Bhatnagar (Chairman), Prof. Dr. N. K. Bhatnagar (Secretary), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member), Prof. Dr. N. K. Bhatnagar (Member)

Guest of Honor:
Dr. N. K. Bhatnagar
In Charge
Jaysingpur College, Jaysingpur

The program was started at **11:30 am** with the welcome and preface of the program by Dr. Suraj Umdale. He told that, why there is need to implement the various techniques for the enhancement of sugarcane production and also increase the wealth of farmers of Western Maharashtra. Dr. Sachinkumar Patil, Head, Department of Zoology gave an introduction of chief guest and resource person Dr. Balkrushana Jamadgni who has an imminent plant breeder and known as Sugarcane expert. Dr. Jamadgni wrote a book “ऊस संजीवनी” on sugarcane production. The program was proceed with felicitation of the chairperson of session Mr. Mohan Ketkar, chief guest Dr. Balkrushana Jamadgni, Honorable chairmen of Local Committee, Jaysingpur College Jaysingpur, Dr. Subhash Adadande, Honorable secretary Dr. Mahaveer Akkole and Principal Prof. Dr. (Mrs.) M. V. Kale.

The talk of Dr. Jamadagni begins with question, what is mean by the Record Yield and difference between the sugarcane yield of various farmers and given formula for the yield enhancement. He briefly explained the factors affecting the yield of sugarcane such as, soil, water, fertilizers, various plant growth regulators and space between the two rows of sugarcane.

विक्रमी उत्पादनासाठी ऊस संजीवनी

डॉ. बाळकृष्ण महादेव जमदग्नि
M.Sc.(Agril), Ph.D.

वनस्पती शरीर क्रिया शास्त्रज्ञ

नरसोबावाडी, ता. शिरोळ, जि. कोल्हापूर - 416 104

मोबा. 9422827762

जयसिंगपूर कॉलेज जयसिंगपूर
जयसिंगपूर, जयसिंगपूर तालुका जयसिंगपूर जिल्हा कोल्हापूर

विक्रमी उत्पादनासाठी ऊस संजीवनी

डॉ. बाळकृष्ण महादेव जमदग्नि

नरसोबावाडी, ता. शिरोळ, जि. कोल्हापूर - 416 104

मोबा. 9422827762

He has also given various examples to explain the how leaf area will affect the sugarcane yield. With various diagrams and examples he had explained how organic fertilizers are important for growth and development of sugarcane plant, applications of Biofertilizers and their role in plant metabolism, and explained the “Blackman Theorem”. He has shared the knowledge of various components and formulation of “ऊस संजीवनी व संजीवके”. At the end of his talk he shared the success stories of record yield of sugarcane.



Name	Attendance
...	...

Name	Attendance
...	...

Name	Attendance
...	...

Name	Attendance
...	...

Attendance Sheets

The participants have raised their questions and Dr. Jamadagni has given the satisfactory answers to all the questions. At the end of program participants got the good information about sugarcane plantation. The Dr. Jamadagni donated his books to library and on behalf of college; our Principal Dr. (Mrs.) M. V. Kale had received the books. The vote of thanks was given by Prof. Dr. N. L. Kadam and he declared that program was over.



Dr. Suraj D. Umdale
Department of Botany
Organizing Secretary

Dr. Sachinkumar R. Patil
Department of Zoology
Organizing Secretary

COORDINATOR
Internal Quality Assurance Cell (IQAC)
Jaysingpur College, Jaysingpur (MS)

IQAC, Coordinator



PRINCIPAL
Jaysingpur College, Jaysingpur

Principal



JAYSINGPUR COLLEGE

QHCS-434, Shahunagar, Jaysingpur,
Kolhapur, Maharashtra 416 101

**DEPARTMENT OF ZOOLOGY & BOTANY
(LIFE SCIENCE)**

ORGANIZES WEBINAR ON

**'STRATEGIES TO CRACK COMPETITIVE
EXAMINATION IN LIFE SCIENCES'**

Patron

Dr. M. V. Kale

Principal, Jaysingpur College

Chairperson

Dr. G. H. Nikam

Placement Officer

Co-ordinator

Dr Sachin Patil

Head, Department of Zoology

Convener

Dr Suraj Umadale

Department of Botany

Resource Person



Mr. Omkar Girkar

Institute For Advanced Studies, Pune



SUN, 10TH APR.



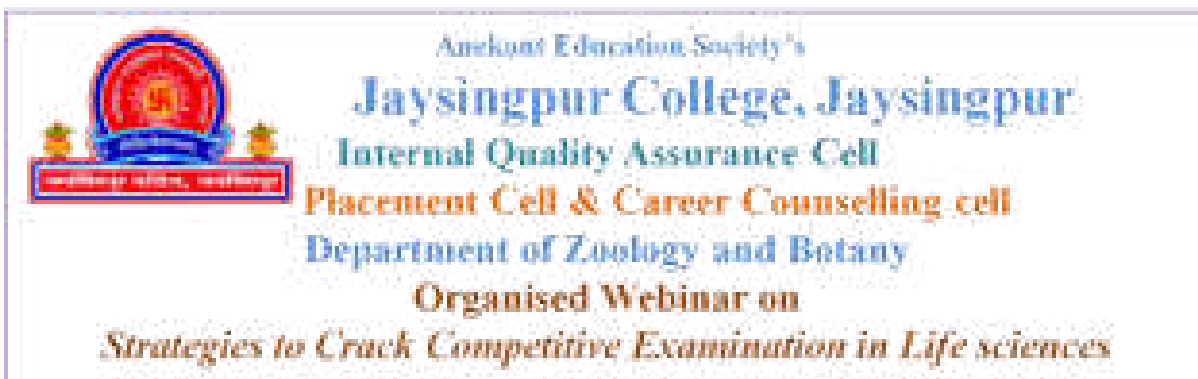
12.30 PM

PLATFORM FOR WEBINAR - GOOGLE MEET

Bate

Head

Department of Botany



Date: 10.04.2022

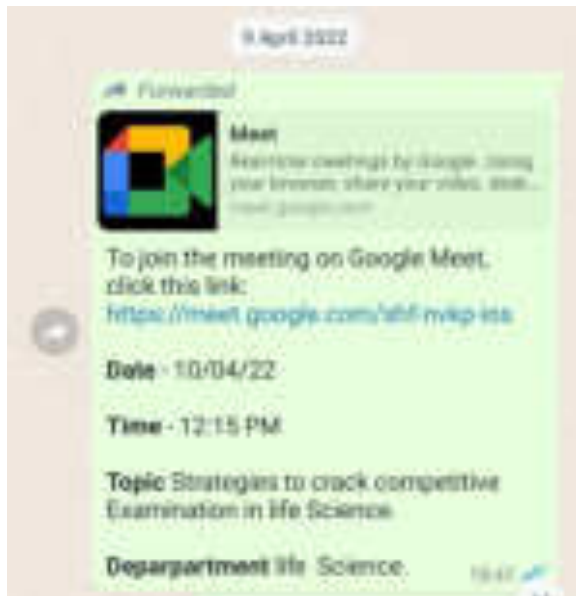
The webinar on “*Strategies to Crack Competitive Examination in life sciences*” has been conducted by Placement and career counselling cell, Department of Zoology and Department of Botany on Sunday, 10th April 2022 at 12.30 pm on Google meet. This webinar was organised in association with Institute for Advanced Studies, Pune. Mr. Omkar Girkar was Resource Person for this webinar. In this webinar around 60 students have been actively participated. Dr. S R Patil, Head Department of Zoology has introduced the resource person. Dr. Suraj Umadale proposed vote of thanks for this webinar. Dr. G. H. Nikam has worked as chairperson.

Shri Girgar discussed regarding various competitive examinations like NET, SET, and GATE etc. He also discussed regarding various opportunities after graduation in Botany and Zoology.

Convenor



Head
Department of Zoology



12:26 WED 9 APR 2022

About this call

People	Information
Sarvesh Kulkarni	🔍 1
Adhya Shakti	🔍 1
Anvay Parveen	🔍 1
Anurag Mhashe	🔍 1
Arpit Fale	🔍 3
Arpit Turbe	🔍 1
Ashish Vasthye	🔍 1
ASHLESHA SAPHKAL	🔍 1
Ashwin Chandure	🔍 3
Shivash Vitekar	🔍 1
Devyani Lathre	🔍 1
Shikha Mathman	🔍 3
Farheen Shaikh Abub Al...	🔍 1
Gejari Bhave	🔍 1
...	🔍 1

List of Registered Students

Timestamp	Name of the Learners/Mentee	APPEARING DEGREE	Year of Education	Department	E-mail id
4/8/2022 13:34:37	Yash sunil Vibhute	BSc	Third Year	ZOOLOGY	yashvibhute25@gmail.com
4/8/2022 13:35:14	Rajat Karale	BSc	Third Year	ZOOLOGY	karalerajat246@gmail.com
4/8/2022 13:37:07	Kshitija chandrakant koli	BSc	Third Year	ZOOLOGY	Kshitihakoli2@gmail.com
4/8/2022 13:39:59	Sana Ayub Pathan	BSc	Third Year	ZOOLOGY	Sanaathan2019@gmail.com
4/8/2022 13:55:38	Kaveri Nijaguni Panadare	BSc	Third Year	ZOOLOGY	kaveripanadare@gmail.com
4/8/2022 14:22:51	Tasmaiya Rajaram Kothale	BSc	Third Year	ZOOLOGY	tasmiyakothale7866@gmail.com
4/8/2022 14:23:26	Ashwini Sanjay chandure	BSc	Third Year	ZOOLOGY	ashwinichandure06@gmail.com
4/8/2022 14:31:49	MANE VIDYARATNA SUDHAKAR	BSc	Third Year	ZOOLOGY	vidyaratnamane@gmail.com
4/8/2022 14:46:59	Muskan Basheer Patel	BSc	COMPLETED	BOTANY	patelmuskan251@gmail.com
4/8/2022 14:55:34	Chetan Rajendra Chivate	MSc	COMPLETED	BOTANY	chetancr45@gmail.com
4/8/2022 14:56:27	Sifa Samiullah Patel	BSc	COMPLETED	BOTANY	patelsifa2000@gmail.com
4/8/2022 15:19:24	Mariya shaikh	BSc	Second Year	ZOOLOGY	shaikhzuber526@gmail.com
4/8/2022 15:32:42	Mariyam	BSc	COMPLETED	ZOOLOGY	mariyaminamdar16@gmail.com
4/8/2022 15:34:19	Saloni Patil	BSc	COMPLETED	BOTANY	Salonipatil181802@gamil.com
4/8/2022 15:52:02	Rutuja santosh more	BSc	Third Year	BOTANY	rutujamore002@gmail.com
4/8/2022 16:00:30	Patil Ravina Ravaso	MSc	COMPLETED	ZOOLOGY	ravinapatil20026@gmail.com
4/8/2022 16:57:43	Anure Aishwarya Mahadev	MSc	First Year	ZOOLOGY	aishwaryaanure2000@gmail.com
4/8/2022 19:11:12	Tejaswini Salunkhe	BSc	COMPLETED	ZOOLOGY	tejaswinijsalunkhe11@gmail.com
4/8/2022 19:48:56	Sanyogita Dilip Patil	BSc	COMPLETED	ZOOLOGY	sanyogitapatil2211@gmail.com
4/8/2022 19:56:49	Patel Sifat Akhtar	BSc	Third Year	ZOOLOGY	patelsifat50@gmail.com
4/8/2022 20:06:57	Anurag Devendra Minache	BSc	Third Year	ZOOLOGY	Minacheanurag@gmail.com
4/8/2022 20:18:44	Arati Laxman Nirmal	BSc	Third Year	ZOOLOGY	aratinnirmal22@gmail.com
4/8/2022 20:20:06	Arati Laxman Nirmal	BSc	Third Year	ZOOLOGY	aratinirmal22@gmail.com
4/8/2022 21:55:05	Fatima Sardar Bargir	BSc	Third Year	ZOOLOGY	fatimabargir2001@gmail.com

4/8/2022 23:38:58	Tabassum salim bargir	BSc	Third Year	ZOOLOGY	Anisbargeer123@gmail.com
4/9/2022 6:54:13	Akhilesh Atul Kulkarni	BSc	Third Year	ZOOLOGY	Kulkarniakhilesh21@gmail.com
4/9/2022 9:09:36	Prajakta Hemant Walvekar	BSc	Third Year	ZOOLOGY	prajuw117@gmail.com
4/9/2022 9:10:42	Arpita Turke	BSc	Third Year	ZOOLOGY	arpitaturke499@gmail.com
4/9/2022 9:29:31	Ambi Pooja Namdev	MSc	Second Year	ZOOLOGY	poojaambi1504@gmail.com
4/9/2022 9:30:27	Shrutika Sagar Malikwade	MSc	Second Year	ZOOLOGY	shrutikamalikwade@gamil.com
4/9/2022 9:30:50	Ambi Pooja Namdev	MSc	Second Year	ZOOLOGY	poojaambi1504@gmail.com
4/9/2022 9:31:11	Pranita Pradhan Bhagat	MSc	Second Year	ZOOLOGY	bhagatpranita331@gmail.com
4/9/2022 17:02:16	Nihal nijam mujawar	BSc	Third Year	BOTANY	nihalmujawar2000@gmail.com
4/9/2022 19:07:44	Shubham Suresh Surange	BSc	Second Year	Food Science	shubham.surange2677@gmail.com
4/9/2022 19:27:19	ONKAR DASHRATH KAMBLE	BSc	COMPLETED	BOTANY	kambleonkar23@gmail.com
4/9/2022 19:29:03	Sankpal Swarupa Gurunath	MSc	COMPLETED	BOTANY	sankpalswarupa74@gmail.com
4/9/2022 19:30:33	milind bhogam	BSc	Second Year	BOTANY, ZOOLOGY,	milindbhogam2002@gmail.com
4/9/2022 19:31:08	milind bhogam	BSc	Second Year	BOTANY, ZOOLOGY,	milindbhogam2002@gmail.com
4/9/2022 20:06:36	Anuja Suresh Patil	BSc	Second Year	BOTANY, ZOOLOG	anujapatilap22@gmail.com
4/9/2022 20:13:37	Shubham ashok arage	BSc	COMPLETED	BOTANY	Shubhamarage@gmail.com
4/9/2022 21:12:48	Science	BSc	Third Year	BOTANY	shreenathpatil9909@gmail.com
4/9/2022 22:24:44	Rutuja Sunil Mali	BSc	Third Year	ZOOLOGY	rutujamali0804@gmail.com
4/10/2022 8:09:33	Mohini rajkumar Kamble	BSc	COMPLETED	BOTANY	mk0801277@gmail.com
4/10/2022 9:55:07	Omkar Nimbalkar	BSc	Second Year	CHEMISTRY	omkarnimbalkar2222@gmail.com
4/10/2022 12:15:00	Arpita Turke	BSc	Third Year	ZOOLOGY	aniketturke@gmail.com

Bale
Head
Department of Botany



Anekant Education Society's
Jaysingpur College, Jaysingpur

Activity Report

Organised By: **Department of Botany**

Year:	2021-22
Name of the Activity:	Botanical Excursion to Koyna, Chiplun and Dapoli
Date:	22 nd and 23 rd April, 2022
Venue:	Koynanagar, Chiplun and Dapoli
Co-ordinator:	Dr. Suraj D. Umdale
Organised for: College/class/ staff	B. Sc. II Botany Students
No. of Participants	57F + 24M = 81
Nature: (e.g. Academic, cultural, sports etc)	Academic Tour
Objectives of the Activity	The objective of study tour was to familiarize the students with the flora and ecology of the Konkan area of Western Ghats of Maharashtra and also know the botanical gardens at Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli
Chief Guest/s or Resource Person/s	Nil
Short Report (in English)	As per the curriculum of Shivaji University, Kolhapur for B. Sc. II Botany. The department of Botany arranged the Botanical Excursion to Koynanagar, Chiplun and Dapoli. A total 81 students and 06 teachers were participated in this study tour. The present Botanical study tour increased the knowledge of students about nature, environment, lone and wealth of mind by receiving the ideas. This botanical excursion was fruitful for students
Outcome/Remark	Students have got the knowledge of medicinal plants present in the Western Ghats of Maharashtra



Dr. Suraj D. Umdale

Tour In-charge

Umdale
Head
Department of Botany



Anekant Education Society
Jaysingpur College, Jaysingpur
Department of Botany

AY-2021-22
Botanical Excursion to Koyna, Chiplun and Dapoli

22nd and 23rd April, 2022

As a part of B.Sc. II Botany syllabus, the department of Botany has organized botanical excursion to Koynanagar, Chiplun and Dapoli on 22nd and 23rd April, 2022. A total 81 students and 06 teachers were participated in this study tour. The objective of study tour was to familiarize the students with the flora and ecology of the konkan area of Western Ghats of Maharashtra and also know the Agricultural University botanical gardens. We started our journey from central bus stand of Jaysingpur at 7:10 am. *via* Jaysingpur- Hatkanaglae- Karad- Koyna- Chiplun-Harne Bander-Dapoli.

The distance Between Jaysingpur to Koyna Dam is 142 Km. We have reached Koynanagar at 12:30pm. Firstly, we visited Nehru garden, Koynanagar. This garden is built in the memory of Late Pandit Jawaharlal Nehru, the first prime minster of independent India. This is one of the famous gardens in the Western Ghats region of Maharashtra. The panchadhara Dam or Panchadhara Ghumat reminds us at panchashil principles of pandit Nehru. This garden is also in the Vicinity of koyana Dam. After visiting to garden we all attended short film- Koyana dam Yashogatha. We collected information about Koyna dam. The main purpose of the dam is hydroelectricity with some irrigation in neighboring areas. Today the Koyna Hydroelectric Project is the largest completed hydroelectric power plant in India having a total installed capacity of 1,920 MW. Due to its electricity generating potential Koyna river is considered as the 'Life line of Maharashtra'.

S. No.	Botanical Name	Family
GYMNOSPERMS		
1	<u>Pinus</u> spp.	<u>Pinaceae</u>
2	<u>Thuja occidentalis</u> L.	<u>Cupressaceae</u>
3	<u>Cycas</u> spp.	<u>Cycadaceae</u>
4	<u>Araucaria angustifolia</u> (Bertol.) Kuntze	<u>Araucariaceae</u>
5	<u>Bougainvillea spectabilis</u> Willd.	<u>Nyctaginaceae</u>

ANGIOSPERMS		
6	<u>Hibiscus rosa-sinensis</u> L	<u>Malvaceae</u>
7	<u>Rosa chinensis</u> Jacq.	Rosaceae
8	<u>Rosa × damascena</u> Herrm	<u>Rosaceae</u>
9	<u>Chrysanthemum indicum</u> L.	<u>Compositae</u>
10	<u>Nerium oleander</u> L.	<u>Apocynaceae</u>
11	<u>Nymphaea</u> sp.	<u>Nymphaeaceae</u>
12	<u>Duranta plumeri</u> Jecq.	Verbenaceae
13	<u>Callistemon lanciولاتus</u> D. C.	Myrtaceae
14	<u>Ixora coccinea</u> L.	Rubiaceae
15	<u>Eucalyptus globules</u> Labill.	Myrtaceae
16	<u>Areca catechu</u> L.	<u>Arecaceae</u>
17	<u>Thunbergia</u> sps.	Thunbergiaceae
18	<u>Cocos nucifera</u> L.	<u>Arecaceae</u>
19	<u>Oxalis corniculata</u>	Oxalidaceae
20	<u>Manilkara zapota</u> (L.) P.Royen	Sapotaceae
21	<u>Syzygium cumini</u> (L.) Skeels	Myrtaceae
22	<u>Portulaca grandiflora</u> Hook.	<u>Portulacaceae</u>
23	<u>Terminalia arjuna</u> W & A.	Combretaceae
24	<u>Acalypha hispida</u>	Euphorbiaceae

After lunch, we visited the Department of Zoology, D.B.J. College, Chiplun. We observed various stuffed mammals, birds and collection of various insects. After Chiplun, we visited Harne Bandar which is 14 KM from Dapoli. We reached there at 5:30pm. The main attraction is fish market which is handled by local people. There we saw different types of fishes and other marine organisms.

At the end of the day we stayed at the farmers guest house of Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli. On the next day morning, we visited Anjarli Beach which is 24 KM from Dapoli.

Sr. No.	Botanical Name	Family
1	<u>Anacardium oxidentale</u> L.	Anacardiaceae
2	<u>Carrisa carrendus</u> L.	Apocynaceae
3	Mangrove species	-
4	<u>Ipomoea pes-caprae</u> (L.) R. Br.	Convolvulaceae
5	<u>Mangifera indica</u> L.	Anacardiaceae

Visit to Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth (BSKKV), Dapoli

Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, formerly **Konkan Krishi Vidyapeeth**, is agricultural university at Dapoli in Ratnagiri district of Maharashtra, India. It was established on 18 May 1972 as Konkan Krishi Vidyapeeth, and got its present name on 12 February 2001. Its research centre at Karjat has developed some patented varieties of rice. The University has developed 90 varieties of field, fruit, vegetables, tuber and spice crops. There includes 25 improved and 5 hybrids of rice, two each varieties of finger millet, groundnut, cowpea and dolichus bean and one variety each of horse gram, rice bean (fodder), pigeon pea, tomato, chilli, bitter gourd, snake gourd, long bean, drumstick, amaranthus, xanthosoma, coriander, undi and four tuber crop varieties one each of lesser yam, greater yam and two varieties of sweet potato. In fruit crops, the University has released seven mango varieties viz. Alphonso, Ratna, Sindhu, Kankan Ruchi, Suvarna, Konkan Raja and Konkan Samrat. In cashew eight varieties viz., Vengurla 1, 2, 3, 4, 5, 6, 7 and 8, two varieties of coconut, three varieties of nutmeg, and one each variety of arecanut, jack fruit, jamun, karvanda and lemon. Its major focus areas are rice, horticulture and fisheries.

In Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, we visited the **Medicinal and Aromatic Plant Nursery**, and **Charak Herbal Garden**, Where we recorded a variety of medicinal plants.

The list of plants observed in Medicinal and Aromatic Plant Nursery, and Charak Herbal Garden-

Sr. No.	Botanical Name	Family
1	<u>Saraca asoca</u> (Roxb.) Willd.	Leguminosae
2	<u>Syzygium aromaticum</u> (L.) Merr. & L.M.Perry	Myrtaceae
3	<u>Hemidesmus indicus</u> (L.) R. Br. ex Schult.	Apocynaceae
4	<u>Rauvolfia serpentina</u> (L.) Benth. ex Kurz	Apocynaceae
5	<u>Ocimum tenuiflorum</u> L.	Lamiaceae
6	<u>Pandanus amaryllifolius</u> Roxb.	Pandanaceae
7	<u>Acorus calamus</u> L.	Acoraceae
8	<u>Bougainvillea spectabilis</u> Willd.	Nyctaginaceae
9	<u>Catharanthus roseus</u> (L.) G.Don	Apocynaceae
10	<u>Hibiscus rosa-sinensis</u> L.	Malvaceae
11	<u>Cymbopogon citratus</u> (DC.) Stapf	Poaceae
12	<u>Pterocarpus santalinus</u> L.f	Leguminosae

13	<u>Piper longum</u> L.	Piperaceae
14	<u>Ocimum americanum</u> L.	Lamiaceae
15	<u>Myristica fragrans</u> Houtt.	Myristicaceae
16	<u>Tagetes erecta</u> L.	Asteraceae
17	<u>Lawsonia inermis</u> L.	Lythraceae
18	<u>Cinnamomum tamala</u> (Buch.-Ham.) T.Nees & Eberm.	Lauraceae
19	<u>Withania somnifera</u> (L.) Dunal	Solanaceae
20	<u>Curcuma amada</u> Roxb.	Zingiberaceae
21	<u>Aegle marmelos</u> (L.) Corrêa	Rutaceae
22	<u>Tylophora indica</u> (Burm. f.) Merr.	Apocynaceae
23	<u>Mallotus philippensis</u> (Lam.) Müll.Arg.	Euphorbiaceae
24	<u>Garcinia indica</u> (Gaertn.) Desr.	Clusiaceae
25	<u>Cinnamomum camphora</u> (L.) J.Presl	Lauraceae
26	<u>Solanum americanum</u> Mill.	Solanaceae
27	<u>Coccinia grandis</u> (L.) Voigt	Cucurbitaceae
28	<u>Phoenix sylvestris</u> (L.) Roxb.	Arecaceae
29	<u>Madhuca longifolia</u> var. <u>latifolia</u> (Roxb.) A.Chev.	Sapotaceae
30	<u>Cocos nucifera</u> L.	Arecaceae
31	<u>Artocarpus heterophyllus</u> Lam.	Moraceae
32	<u>Ficus microcarpa</u> L.f.	Moraceae
33	<u>Areca catechu</u> L.	Arecaceae
34	<u>Citrus medica</u> L.	Rutaceae
35	<u>Phyllanthus niruri</u> L.	Phyllanthaceae
36	<u>Embelica officinalis</u>	Euphorbiaceae
37	<u>Barleria cristata</u> L.	Acanthaceae
38	<u>Senna alexandrina</u> Mill.	Leguminosae
39	<u>Mimosa pudica</u> L.	Leguminosae
40	<u>Bambusa bambos</u> (L.) Voss	Poaceae
41	<u>Gaillardia pulchella</u> Foug.	Asteraceae
42	<u>Acalypha indica</u> L.	Euphorbiaceae
47	<u>Achyranthes aspera</u> L.	Amaranthaceae
44	<u>Bauhinia purpurea</u> L.	Leguminosae
45	<u>Bixa orellana</u> L.	Bixaceae
46	<u>Myristica fragrans</u> Houtt.	Myristicaceae
47	<u>Ligustrum vulgare</u> L.	Oleaceae
48	<u>Bauhinia racemosa</u> Lam.	Leguminosae
49	<u>Stereospermum chelonoides</u> (L.f.) DC.	Bignoniaceae
50	<u>Acacia catechu</u> (L.f.) Willd.	Leguminosae
51	<u>Strychnos nux-vomica</u> L.	Loganiaceae
52	<u>Ziziphus jujuba</u> Mill.	Rhamnaceae
53	<u>Bombax ceiba</u> L.	Malvaceae
54	<u>Cissus quadrangularis</u> L.	Vitaceae
55	<u>Mimusops elengi</u> L.	Sapotaceae

56	<u>Mesua ferrea</u> L.	Calophyllaceae
57	<u>Putranjiva roxburghii</u> Wall	Putranjivaceae
58	<u>Chrysanthemum indicum</u> L.	Asteraceae
60	<u>Grewia tiliifolia</u> Vahl.	Malvaceae
61	<u>Vitex negundo</u> L.	Verbenaceae
62	<u>Callistemon lanciolatus</u> D. C.	Myrtaceae
63	<u>Ixora coccinea</u> L.	Rubiaceae
64	<u>Eucalyptus globules</u> Labill.	Myrtaceae
65	<u>Laciocephon eriocephalus</u> Decne.	Thymaceae
66	<u>Acacia auriculiformis</u> A. Cunn. ex Benth.	Mimosaceae
67	<u>Tectona grandis</u> L.	Verbenaceae
68	<u>Randia dumetorum</u> L.	Rubiaceae
69	<u>Woodfordia floribunda</u> Salisb.	Lythraceae
70	<u>Psidium guajava</u> L.	Myrtaceae
71	<u>Manilkara zapota</u> (L.) P.Royen	Sapotaceae
72	<u>Artocarpus hirsutus</u> (Parkinson ex F.A.Zorn) Fosberg	Moraceae
73	<u>Annona squamosa</u> L.	Annonaceae





After visit and collection of the plants of botanical interest, we left Dapoli at 3:30 pm. On the same day we reach our return destination (Jaysingpur) at about 11.00 pm. The Botanical study tour increased our knowledge about nature, environment, lone and wealth of mind by receiving the ideas. This botanical excursion was fruitful. We enjoyed this tour and also knew many plants in the nature.

Tour In-charge

Head
Department of Botany



Anekant Education Society's
Jaysingpur College, Jaysingpur

Activity Report

Organised By: **Department of Botany**

Year:	2021-22
Name of the Activity:	Hands on Training on "Bonsai"
Date:	10 th May, 2022
Venue:	Wire House, Botanic Garden, Jaysingpur College, Jaysingpur
Co-ordinator:	Dr. Suraj D. Umdale
Organised for: College/class/ staff	B.Sc. II and III Students
No. of Participants	11(F)+7(M)=18
Nature: (e.g. Academic, cultural, sports etc)	Academic Activity
Objectives of the Activity	To know the bonsai and the technique of making Bonsai
Chief Guest/s or Resource Person/s	Mr. I. R. Patil
Short Report (in English)	The department of Botany organized " Hands on training on Bonsai " for the undergraduate students. The resource person, Mr. I. R. Patil has given information about the bonsai and how to make bonsai. Also, he demonstrated the bonsai making technique of <i>Citrus</i> and <i>Ficus</i> Plants. The program was conducted under the guidance of Prof. Dr. (Mrs.) M. V. Kale and Dr. S. D. Umdale, Assistant Professor, Jaysingpur College, Jaysingpur.
Outcome/Remark	The students have got hands on training of Bonsai making and benefited with the valuable guidance of Mr. I. R. Patil regarding Bonsai



Mr. Chetan R. Chivate
Organizing Secretary

Dr. Suraj D. Umdale
Convener

Head
Department of Botany



Anekant Education Society
Jaysingpur College, Jaysingpur
Department of Botany and Zoology

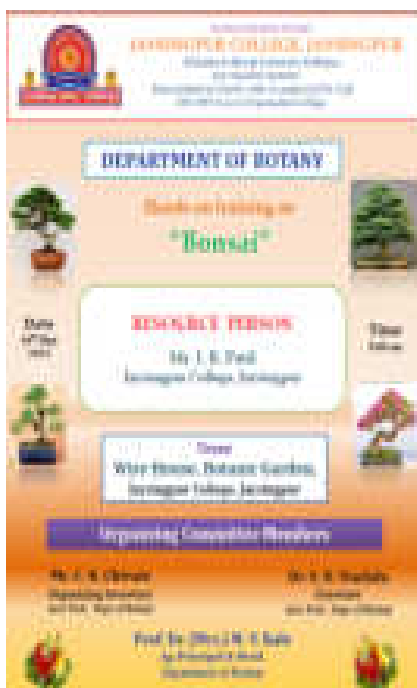
AY: 2021-22

Hands on Training on “Bonsai”

10th May, 2022

The department of Botany has organized **Hands on training on “Bonsai”** for the undergraduate students on **Tuesday, 10th May, 2022 at 9:00 am**. We have invited Mr. I. R. Patil, Jaysingpur College Jaysingpur, for Hands on training on “Bonsai”. The publicity of training was done through the notifying undergraduate students in various whatsapp groups. About 18 students were participated in hands on training program.

The training program was started with welcome of honorable guest by Mr. C. R. Chivate. The resource person, Mr. I. R. Patil has given information about the bonsai. He has suggested various plants for making Bonsai. Also, he gave information about selection of pots, mixture of potting and repotting soil, use of wire, nylon mesh for making Bonsai. He demonstrated the step by step technique of making bonsai of *Citrus* and *Ficus* Plants.



Program Brochure



Notice



Attendance Sheet

After demonstration, the student participants were made bonsai from *Ficus* (Umber) plant. Mr. I. R. Patil has congratulated student participants for successful preparation of Bonsai. The participants have raised their questions about Bonsai technique and Mr. I. R. Patil has given the satisfactory answers to all the questions. At the end of program participants got the good information about Bonsai technique. The vote of thanks was given by Dr. S. D. Umdale and declared that training program was over at 11:00 am.



Mr. Chetan R. Chivate
Department of Botany
Organizing Secretary

Dr. Suraj D. Umdale
Department of Botany
Convener

Head
Department of Botany



Anekant Education Society's
Jaysingpur College, Jaysingpur

Activity Report

Organised By: **Department of Botany**

Year:	2021-22
Name of the Activity:	Seminar Activity
Date:	11 th May, 2022
Venue:	Zoology Department, Jaysingpur College, Jaysingpur
Co-ordinator:	Dr. S. D. Umdale & Miss. S. A. Magdum
Organised for: College/class/ staff	B.Sc. III Students
No. of Participants	04 (F)+ 05(M)=09
Nature: (e.g. Academic, cultural, sports etc)	Academic Activity
Objectives of the Activity	To enhance the students interaction, boost their confidence, performance and productivity
Chief Guest/s or Resource Person/s	-
Short Report (in English)	The department of Botany organized “ Seminar Activity ” for the B. Sc. III (BOTANY) students. During this activity, the nine student participants were prepared PPT presentations and delivered the seminars on the various topics of gene transfer technology. The program was conducted under the guidance of Prof. Dr. (Mrs.) M. V. Kale, Head Botany Department Jaysingpur College, Jaysingpur.
Outcome/Remark	The students have got hands on training of Bonsai making and benefited with the valuable guidance of Mr. I. R. Patil regarding Bonsai



S. A. Magdum

Miss. S. A. Magdum
Organizing Secretary

S. D. Umdale

Dr. S. D. Umdale
Convener

M. V. Kale

Head
Department of Botany



Anekant Education Society
Jaysingpur College, Jaysingpur
Department of Botany

AY: 2021-22

Seminar Activity

11th May, 2022

The department of Botany has organized “Seminar Activity” for the B.Sc. III Botany students on **Wednesday, 11th May, 2022** at **9:00 am**. The students were notified using notice displayed on notice board and notice shared on whatsapp group. About 09 students were participated in in seminar activity.

The seminar was started with welcome of participant’s guest by Dr. S. D. Umdale. He has given the short talk about the seminar activity in overall development of the students which include enhancement of presentation skills, confidence and student performance. He has suggested various methods and techniques of delivering seminars.



Program Brochure



Notice

Name	Roll No.	Date	Attendance
Dr. S. D. Umdale			
Dr. S. D. Umdale			
Dr. S. D. Umdale			
Dr. S. D. Umdale			
Dr. S. D. Umdale			
Dr. S. D. Umdale			
Dr. S. D. Umdale			
Dr. S. D. Umdale			
Dr. S. D. Umdale			
Dr. S. D. Umdale			

Attendance Sheet

After his inaugural talk he told the seminar activity was started. Based on registration the participants were delivered the seminars and discussed about various question asked by audiences. Miss. S. A. Magdum has congratulated student participants for successful completion of seminar activity. At the end of activity the student participants gave a short feedback about the seminar activity. The vote of thanks was given by Miss. S. A. Magdum and declared that seminar activity was over.



Miss. S. A. Magdum
Department of Botany
Organizing Secretary

Dr. S. D. Umdale
Department of Botany
Convener

Head
Department of Botany

Certificate Course on PTC

Anekant Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR



Accredited by NAAC with 'A' Grade with CGPA-3.24

DEPARTMENT OF BOTANY

Skill Development Program

Certificate Course in Plant Tissue Culture

(Karmaveer Kaushalya Kendra)

2021-22





PREAMBLE

To educate the students about the various techniques in plant tissue culture and development of job oriented skills in student to work in commercial plant tissue culture laboratories.

❖ AIMS & LEARNING OUTCOMES

1. To know basics and techniques in plant tissue culture.
2. To develop job oriented skill among the students to start or work in commercial plant tissue culture laboratory.
3. Expertise in the knowledge to set up a basic tissue culture laboratory
4. To provide ample scope for industry and job training
5. To impart advanced training in plant tissue culture technology to develop entrepreneurship skills
6. To give basic quality education with commercial approach in the field of plant tissue culture.

❖ **DURATION:** 06 months (Contact Hrs: 120)

❖ **PATTERN:** Annual

❖ **MEDIUM OF INSTRUCTION:** English

❖ STRUCTURE OF COURSE:

Sr. No.	Paper No.	Title of paper	Contact hours	Weightage
1	PTC-1	Basics of Plant Tissue Culture	24	25
2	PTC-2	Techniques in Plant Tissue Culture	24	25
3	PTC-3	Practical based on theory	44	30
4	PTC-4	Field Visit	08	05
5		Project Work	20	15
	Total		120 Hrs.	100 Marks



❖ **LIBRARY**

Reference and Textbooks, Reference Books for Advanced Books for Advanced studies -List Attached

❖ **SPECIFIC EQUIPMENTS**

Well designed tissue culture Laboratory with lecture hall
Incubation room, Inoculation space, Preparation room, Laminar air flow, culture racks, A.C., Autoclave, Incubator, PH meter, weighing balance etc.

❖ **LEARNING OBJECTIVES:**

1. Introduction to plant tissue culture.
2. Study of laboratory organization for plant tissue culture.
3. Preparation of plant tissue culture media.
4. Study of aseptic techniques for plant tissue culture.
5. Development of tissue culture plants
6. Study of micropropagation of plants



Paper PTC-1 (Theory)

Basics in Plant Tissue Culture

24 hrs**Unit 1 History and introduction of plant tissue culture (04)**

- 1.1 Introduction, brief history, principle and significance of tissue culture;
Concept of cellular totipotency
- 1.2 Cyto-differentiation

Unit 2 Plant tissue culture laboratory organization (05)

- 2.1 Laboratory layout and work areas
- 2.2 Aseptic laboratory-media preparation and culture rooms
- 2.3 Basic tools, glass goods, equipments and instruments

Unit 3 Instrumentation and Sterilization techniques (05)

- 3.1 Instrumentation: Laminar air flow, autoclave, distillation unit, pH meter, orbital shaker, microscope, deep freezer, growth chamber
- 3.2 Laboratory sterilization, Instrument sterilization
- 3.3 Media sterilization, explant sterilization

Unit 4 Culture media and plant Hormones (07)

- 4.1 **Culture Media:** M.S. Media, White media, Nitsch media, B-5 media, Mitra Media, Knudsen media
- 4.2 **Plant Hormones:** Role of Plant hormones (auxins, cytokinins, abscissic acid, ethylene and Gibberellins) in plant development

Unit 5 Introduction to general techniques (03)

- 5.1 Culture medium and its preparation (MS media)
- 5.2 Inoculation of explants



Learning Outcomes

1. Introduction to plant tissue culture.
2. Knowledge about laboratory organization for plant tissue culture.
3. Student will get the knowledge laboratory instruments & sterilization
4. Students will learn different types of plant tissue culture media
5. Know technique of preparation of plant tissue culture media.

References:

1. Plant Tissue Culture - Kalyan Kumar De; New Central Book Agency (P) Ltd.
2. Introduction to Plant Tissue Culture - M. K. Razdan (Second Edition); Oxford & IBH Publishing Co. Pvt. Ltd.
3. Biotechnology of Plant Tissues- Shezad Anwar
4. Plant tissue culture- Theory and Practice: Jwala Aggarwal & Shekhar Arora
5. Plant Propagation by Tissue Culture: Jwala Aggarwal & Shekhar Arora
6. Biotechnology of Plant Tissues- Yadav PR & Tyagi Rajiv
7. Plant Tissue Culture - Techniques and Experiments: Roberta H. Smith
8. Plant Tissue Culture and Transformation Techniques: Balaram Sharma
Daya Publishing House, 167p.
9. Plant Tissue Culture: PC Sharma
10. Introduction to plant tissue Culture: M. K. Razdan
11. Plant Tissue Culture and Biotechnology- P. Madhusudan Rao
12. Plant Tissue Culture: Theory and Practice, SS Bhojwani, MK Razdan,
Publisher-Elsevier



Paper PTC-2 (Theory)

Techniques in Plant Tissue Culture

24 hrs

Unit 1 Callus culture technique (04)

- 1.1 Introduction, Principle, Mechanism of callus formation, Sub-culture of callus
- 1.2 Morphology, internal structure in callus tissue, Factors affecting callus culture
- 1.3 Applications and limitations

Unit 2: Somatic embryogenesis (04)

- 2.1 Process of somatic embryogenesis, structure, stages of embryo development,
- 2.2 Factors affecting embryogenesis and production of artificial seeds
- 2.3 Cryopreservation

Unit 3: Organ Culture Technique (*In-vitro* regeneration) (04)

- 3.1 Introduction, history, principle, protocol for organogenesis
- 3.2 Factors influencing organogenesis, mechanism of organ development
- 3.3 Applications and Limitations

Unit 4: Micropropagation technique (04)

- 4.1 Introduction, stages of Micropropagation
- 4.2 Different Pathways of Micropropagation- Axillary bud proliferation, somatic embryogenesis
- 4.3 Factors affecting, advantages and applications of Micropropagation

Unit 5: Suspension culture technique (04)

- 5.1 Introduction, history, principle of suspension culture
- 5.2 Establishment and types of suspension culture
- 5.3 Importance and uses of suspension culture

Unit 6: Hardening & Acclimatization (04)

- 6.1 Hardening- Need and technique of hardening micropropagated plantlets
- 6.2 Acclimatization: Techniques in acclimatization: Humidity, antitranspirants, Soil and containers, Control of temperature and light



Learning Outcomes

1. Introduction callus culture technique.
2. Student will understand the process of somatic embryogenesis
3. Knowledge about in-vitro culture technique.
4. Know technique of micropropagation of various plants.
5. Student will understand the phenomenon of hardening & acclimatization of in-vitro grown plantlets

References:

1. Introduction to Plant Tissue Culture - M. K. Razdan (Second Edition); Oxford & IBH Publishing Co. Pvt. Ltd.
2. Biotechnology of Plant Tissues- Shezad Anwar
3. Plant tissue culture- Theory and Practice: Jwala Aggarwal & Shekhar Arora
4. Plant Propagation by Tissue Culture: Jwala Aggarwal & Shekhar Arora
5. Plant Tissue Culture – Techniques and Experiments: Roberta H. Smith
6. Plant Tissue Culture and Transformation Techniques: Balaram Sharma Daya Publishing House, 167p.
7. Plant Tissue Culture: PC Sharma
8. Plant Tissue Culture and Biotechnology- P. Madhusudan Rao
9. Plant Tissue Culture (Theory & Practicals)- T. Pullaiah, M.V. Subha, & E. Sreedevi
10. Plant Cell and Tissue Culture in Liquid systems- Gregory F. Payne, Venkatraman Bringi, Christopher L. Prince, Michael L. Shuler, Publisher-Wiley
11. Plant tissue culture- Theory and Techniques- Shailesh Kumar, Sweta Mishra, A.P. Mishra, Scientific Publishers
12. Plant Tissue Culture: Practices and New Experimental Protocols- B. N. Satyanarayna, Dalia B. Varghese, Publisher- IK International



Paper PTC-3 (Practical)

Practical's based on Theory

44Hrs.

Practical No.	Title of Practical	Contact Hrs.
1	Study of tissue culture laboratory and safety	04
2	Study of laboratory instrumentation	04
3	Preparation of solutions	04
4	Preparation of Laminar Air Flow unit	04
5	Study of sterilization techniques: Moist heat sterilization, Dry heat sterilization, Filter sterilization	04
6	Preparation of stock solutions for MS media and plant growth regulators	04
7	Study of media preparation technique (MS media)	04
8	Study of micropropagation technique	04
9	Study of callus culture technique- Initiation of culture, callus morphology	04
10	Study of suspension culture technique	04
11	Hardening of plantlets	04

References:

1. Practical Biotechnology and Plant Tissue Culture - Prof. Santosh Nagar, Dr. Madhuri Adhav; S. Chand & Co. Ltd.
2. Experiments in Plant tissue Culture- Jwala Aggarwal & Shekhar Arora
3. Plant Tissue Culture and Transformation Techniques: Balaram Sharma Daya Publishing House, 167p.
4. Plant Tissue Culture (Theory & Practicals)- T. Pullaiah, MV Subha, & E. Sreedevi
5. Advances in Plant Tissue Culture- Kirti K. Prasad
6. Plant Cell and Tissue Culture in Liquid systems- Gregory F. Payne, Venkatraman Bringi, Christopher L. Prince, Michael L. Shuler, Publisher-Wiley
7. Plant Tissue Culture Manual: Fundamentals & Applications in Biotechnology- Aparna Pareek, L. K. Pareek. Publisher-Wiley
8. Plant Tissue Culture: Practices and New Experimental Protocols- B. N. Satyanarayana, Dalia B. Varghese, Publisher- IK International.

Paper PTC- 4
Project and Field Work

A) Project work: (Total 15 marks)

B) Field work: (Total 05 marks)

1. Visit to tissue culture laboratory
2. To collect information of tissue culture laboratory



Examination Pattern
(Theory & Practical)

Nature of theory question paper (Total 50 marks)

Paper PTC- 1

Multiple choice questions (25) 25 marks

Paper PTC- 2

Multiple choice questions (25) 25 marks

Nature of practical question paper (Total 30 marks)

Paper PTC- 3

Practical Exam



Practical examination

Carrier Oriented Course under “Karmaveer Kaushalya Kendra”

Certificate Course in Plant Tissue Culture

Total marks 30

Date :

Time :

- | | | |
|----------|---|----|
| Q. No. 1 | Demonstration of Sterilization technique of given sample “A”
(No. written answer) | 05 |
| Q. No. 2 | Inoculate the given explants ‘B’ on suitable medium (M.S.)
(No. written answer) | 05 |
| Q. No. 3 | Demonstration of hardening of given plantlet ‘C’
(No. written answer) | 05 |
| Q. No. 4 | Identification
a) Identify and comment ‘D’
b) Identify and comment ‘E’
c) Identify and give applications ‘F’
d) Identify and comment ‘G’
e) Identify and comment | 10 |
| Q. No. 5 | Certified Journal / PDF file of the journal | 05 |



JAYSINGPUR COLLEGE, JAYSINGPUR

of Arts, Commerce, Science & Computer Science

Jaysingpur - 416 101 Dist. Kolhapur, Maharashtra State, India

AFFILIATED TO SHIVAJI UNIVERSITY, KOLHAPUR

ACCREDITED AT THE 'A' LEVEL BY NAAC - UGC

Tel. :- (O) 225381 Tel./Fax 226481(R) 225181-- ISD (0091) - STD (02322)

website - www.jaysingpurcollege.in e-mail - jspcollegejsp@gmail.com

Prof. Dr. Mrs. M. V. Kale

Ag. Principal

M. Sc., Ph. D

Ref. No. AES/JCJ/

Date :- / /2021

Appointment letter

To,

Dr. Suraj D. Umdale

Assistant Professor,

Department of Botany,

Jaysingpur College Jaysingpur

We are pleased to inform you that you are appointed as a lecturer for the Skill Based Certificate course in 'Plant Tissue Culture' conducted by Karmveer Koushalya Kendra, Jaysingpur College Jaysingpur for the Academic year 2021-22 at Department of Botany on temporary basis.

Director,

Karmaveer Koushalya Kendra



Principal

Jaysingpur College, Jaysingpur

Estd. - June 1964

Anekant Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

of Arts, Commerce, Science & Computer Science

Jaysingpur - 416 101 Dist. Kolhapur, Maharashtra State, India

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website - www.jaysingpurcollege.in e-mail - jspcollegejsp@gmail.com



Prof. Dr. Mrs. M. V. Kale

Ag. Principal

M. Sc., Ph. D

Ref. No. AES/JCJ/

Date :- / /2021

Appointment letter

To,

Ms. Sonali B. Lagare

Assistant Professor,

Department of Botany,

Jaysingpur College Jaysingpur

We are pleased to inform you that you are appointed as a lecturer for the Skill Based Certificate course in 'Plant Tissue Culture' conducted by Karmaveer Koushalya Kendra, Jaysingpur College Jaysingpur for the Academic year 2021-22 at Department of Botany on temporary basis.

Director,

Karmaveer Koushalya Kendra



Principal

Jaysingpur College, Jaysingpur

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JAYSINGPUR COLLEGE, JAYSINGPUR

Carrier Oriented Course under "Karmaveer Kaushalya Kendra"
Certificate Course in Plant Tissue Culture

List of Students (2021-22)

Sr. No.	Name of Student	Roll No.	Class
01	Mr. Sourabh Subhash Tanpure	11	B. Sc. III (Botany)
02	Miss. Pranjali Nitish Sawant	13	B. Sc. III (Botany)
03	Mr. Nihal Nijam Mujawar	21	B. Sc. III (Botany)
04	Mr. Pratik Tukaram Dayal	34	B. Sc. III (Botany)
05	Miss. Rutuja Santosh More	36	B. Sc. III (Botany)
06	Mr. Abhijeet Arjun Gholve	64	B. Sc. III (Botany)
07	Miss. Sneha Subhash Katkar	68	B. Sc. III (Botany)
08	Mr. Shreenath Shashikant Patil	88	B. Sc. III (Botany)
09	Miss. Shreya Suhas Borgave	89	B. Sc. III (Botany)
10	Mr. Vishal Rajendra Magdum	203	B. Sc. III (Chemistry)



Coordinator

COC on Plant Tissue Culture

Anekant Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

Carrier Oriented Course under "Karmaveer Kaushalya Kendra"

Certificate Course in Plant Tissue Culture

Time table (2021-22)

Time	FRIDAY	SATURDAY
07:30 - 08:30 am	SBL/SDU (Lecture)	SBL/SDU (Practical)
08:30 - 09:30 am	SBL/SDU (Lecture)	
09:30 - 10:30 am	SBL/SDU (Lecture)	

SDU- Dr. S. D. Urdale; SBL- Miss. S. B. Langare

Total workload= 7 per week



Coordinator

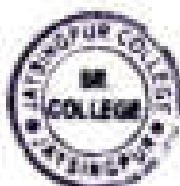
COC on Plant Tissue Culture

Syllabus Completion Report (2021-22)

Theory

Month	Paper No	Unit No.	Topic taught	Teacher	Total Periods
December	Paper I	Unit 1: History and introduction of plant tissue culture	1.1 Introduction, brief history, principle and significance of tissue culture; Concept of cellular totipotency 1.2 Cyno-differentiation	Dr. S. D. Usdale	05
		Unit 2: Plant tissue culture laboratory organization	2.1 Laboratory layout and work areas	Dr. S. D. Usdale	01
January			2.2 Aseptic laboratory-media preparation and culture rooms 2.3 Basic tools, glass goods, equipment's and instruments	Dr. S. D. Usdale	04
February	Term I- Vacation				
March	Paper I	Unit 3: Instrumentation and Sterilization techniques	3.1 Instrumentation: Laminar air flow, autoclave, distillation unit, pH meter, orbital shaker, microscope, deep freezer, growth chamber 3.2 Laboratory sterilization, instrument sterilization 3.3 Media sterilization, explant sterilization	Dr. S. D. Usdale	05
		Unit 4: Culture media and plant Hormones	4.1 Culture Media: MS Media, White media, Nitach media, B-5 media, Mitra Media, Knudson media 4.2 Plant Hormones: Role of Plant hormones (auxin, cytokinin, abscisic acid, ethylene and Gibberellin) in plant development	Dr. S. D. Usdale	04
April	Paper I	Unit 5: Introduction to general techniques	5.1 Culture medium and its preparation (MS media) 5.2 Inoculation of explants	Dr. S. D. Usdale	03
			Revision	Dr. S. D. Usdale	02
	Paper II	Unit 1: Callus culture technique	1.1 Introduction, Principle, Mechanism of callus formation, Sub-culture of callus 1.2 Morphology, internal structure in callus tissue, Factors affecting callus culture 1.3 Applications and limitations	Dr. S. D. Usdale	04

		Unit 2: Somatic embryogenesis	2.1 Process of somatic embryogenesis, structure, stages of embryo development. 2.2 Factors affecting embryogenesis and production of artificial seeds 2.3 Cryopreservation	Dr. S. D. Umdale	04
May	Paper II	Unit 3: Organ Culture Techniques (in-vitro regeneration)	3.1 Introduction, history, principle, protocol for organogenesis 3.2 Factors influencing organogenesis, mechanism of organ development 3.3 Applications and Limitations	Dr. S. D. Umdale	04
		Unit 4: Micropropagation technique	4.1 Introduction, stages of Micropropagation 4.2 Different Pathways of Micropropagation- Axillary bud proliferation, somatic embryogenesis 4.3 Factors affecting, advantages and applications of Micropropagation	Dr. S. D. Umdale	05
		Unit 5: Suspension culture technique	5.1 Introduction, history, principle of suspension culture 5.2 Establishment and types of suspension culture 5.3 Importance and uses of suspension culture	Dr. S. D. Umdale	05
		Unit 6: Hardening & Acclimatization	6.1 Hardening: Need and technique of hardening micropropagated plantlets 6.2 Acclimatization: Techniques in acclimatization: Humidity, antitranspirants, Soil and containers, Control of temperature and light	Dr. S. D. Umdale	05
		Revision			Dr. S. D. Umdale



S. D. Umdale
Coordinator

COC on Plant Tissue Culture

Practical Syllabus

Month	Practical No.	Name of practical	Teacher	Total Periods
December	1	Study of tissue culture laboratory and safety	Dr. S. D. Umdale	04
	2	Study of laboratory instrumentation	Dr. S. D. Umdale	04
January	3	Preparation of solutions	Dr. S. D. Umdale	04
	4	Preparation of Laminar Air Flow unit	Dr. S. D. Umdale	04
February	Term-I Vacation			
March	5	Study of sterilization techniques: Moist heat sterilization, Dry heat sterilization, Filter sterilization	Dr. S. D. Umdale	04
	6	Preparation of stock solutions for MS media and plant growth regulators	Dr. S. D. Umdale	04
	7	Study of media preparation technique (MS media)	Dr. S. D. Umdale	04
April	8	Study of micropropagation technique	Dr. S. D. Umdale	04
	9	Study of callus culture technique- Initiation of culture, callus morphology	Dr. S. D. Umdale	04
	10	Study of suspension culture technique	Dr. S. D. Umdale	04
May	11	Hardening of plantlets	Dr. S. D. Umdale	04



S. D. Umdale
Coordinator

COC on Plant Tissue Culture



Skill Development Program under "Karmaveer Kaushalya Kendra"
 Certificate Course in Plant Tissue Culture

AY: 2021-22

Paper PTC-1 (Theory): Basics in Plant Tissue Culture

S. N.	Name of Student	03-12-22	03-12-22	10-12-22	10-12-22	14-01-22	14-01-22	18-03-22	18-03-22
01	Mr. Sourabh Subhash Tampure	AB	AB	AB	AB	AB	AB	AB	AB
02	Miss. Pranjali Nitish Sawant	AB	AB	AB	AB	AB	AB	AB	AB
03	Mr. Nihal Nijam Mujawar	AB	AB	AB	AB	AB	AB	AB	AB
04	Mr. Pratik Tukaram Dayal	AB	AB	AB	AB	AB	AB	AB	AB
05	Miss. Rutuja Santosh More	AB	AB	AB	AB	AB	AB	AB	AB
06	Mr. Abhijeet Arjun Gholve	AB	AB	AB	AB	AB	AB	AB	AB
07	Miss. Socha Subhash Karkar	AB	AB	AB	AB	AB	AB	AB	AB
08	Mr. Shreenath Shaashikant Patil	AB	AB	AB	AB	AB	AB	AB	AB
09	Miss. Shreyas Suhas Borgave	AB	AB	AB	AB	AB	AB	AB	AB
10	Mr. Vishal Rajendra Magdum	AB	AB	AB	AB	AB	AB	AB	AB

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Skill Development Program under "Karmaveer Kaushalya Kendra"
Certificate Course in Plant Tissue Culture

AY: 2021-22

Paper PTC-2 (Theory): Techniques in Plant Tissue Culture

S. No.	Name of Student	I					II					III				
		01/09/2021	07/09/2021	13/09/2021	19/09/2021	25/09/2021	01/10/2021	07/10/2021	13/10/2021	19/10/2021	25/10/2021	31/10/2021	06/11/2021	12/11/2021	18/11/2021	
01	Mr. Suresh Subhash Tamare	Set	Set	Set	Pass	Set	Pass	Set	Set	Set	Set	Set	Set	Set	Pass	
02	Miss. Pranjal Nishu Sawant	Set	Set	Pass	Set	Set	Pass	Set	Set	Pass	Set	Pass	Set	Set	Set	
03	Mr. Nihal Nijam Mijawar	Set	Set	Set	Set	Pass	Set	Set	Set	Set	Set	Set	Set	Set	Pass	
04	Mr. Pratik Yashwanth Deyar	Set	Set	Set	Set	Set	Pass	Set	Set	Pass	Pass	Pass	Set	Set	Set	
05	Miss. Rutuja Santosh More	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set	
06	Mr. Abhijant Arjun Ghole	Set	Set	Set	Set	Set	Pass	Set	Set	Set	Set	Set	Pass	Pass	Set	
07	Miss. Sneha Subhash Kulkar	Set	Set	Pass	Set	Set	Pass	Set	Pass	Set	Set	Set	Set	Set	Set	
08	Mr. Shrawan Shantkant Patil															
09	Miss. Shreya Sahas Hingave	Set	Set	Pass	Set	Pass	Set	Set	Set	Set	Pass	Set	Pass	Set	Set	
10	Mr. Viral Rajendra Magdum		Set	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set	

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RESULT (2021-22)

Sr. No.	Name of Student	Roll No.	Theory (20)		Practical (20)	Field Visit (05)	Project (05)	Total (100)	Percentage	Grade
			PTC-1	PTC-2						
01	Sourabh Subhash Tampan	11	19	15	20	05	15	82	82.0	A
02	Pranjal Nitish Sawant	15	22	19	20	05	15	91	91.0	A+
03	Nihal Nijam Mujawar	21	20	20	20	05	15	88	88.0	A
04	Pratik Takaram Dayal	34	17	20	25	AB	11	79	79.0	A
05	Ratnaja Santosh More	36	16	13	25	AB	13	67	71.0	B+
06	Abhijeet Arjun Gholve	44	16	15	22	AB	11	64	68.0	B+
07	Souha Subhash Katkar	48	AB	AB	20	AB	14	40	42.0	C
08	Shravanth Shashikant Patil	66	15	14	25	AB	11	65	67.0	B+
09	Sibanya Suhas Borgave	69	AB	AB	20	AB	14	40	43.0	C
10	Vishal Rajendra Magdum	205	22	18	30	05	15	90	90.0	A+

Note: <80 : E; 41 to 44 : C; 45 to 54 : C+; 55 to 65 : B; 66 to 75 : B+; 76 to 89 : A; 90 to 100 : A+



S. Pravin
 Coordinator
 CDC on Plant Tissue Culture

JAYSINGPUR COLLEGE, JAYSINGPUR

Carrier Oriented Course under "Karmaveer Kaushalya Kendra"
Certificate Course in Plant Tissue Culture

Course outcome (2021-22)

Students get self-employed to raise their own nursery by micropropagation of plant tissue culture and skilled to operate tissue culture laboratory. Also, students get:

1. The introduction of plant tissue culture.
2. He got knowledge about laboratory organization, instruments & sterilization for plant tissue culture.
3. Learnt different types of plant tissue culture media and its preparation
4. Introduction of callus culture technique and understand the process of somatic embryogenesis
5. Knowledge about in-vitro culture and micropropagation of various plants.
6. Student understood the phenomenon of hardening & acclimatization of in-vitro grown plantlets



A handwritten signature in black ink, appearing to read "D. S. Mishra".

Coordinator

COC on Plant Tissue Culture

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Carrier Oriented Course under "Karmaveer Kaushalya Kendra"
Certificate Course in Plant Tissue Culture

2021-22

Final Report

During academic year 2021-22, ten (10) students were admitted for Plant tissue culture course. The course was run under 'Karmaveer Kaushalya Kendra' certificate program. As per syllabus we completed two theory papers and one paper for practical. During the course the students learned the techniques of tissue culture, hands on training, laboratory set up and all the equipment's of tissue culture. They also learned the methods of sterilization and precautions, hardening method and plantation. The students were visited the Oasis Bio-control Laboratory, Shirol to gain the industrial exposure for their future collaboration and guidance for startup Programme.

The theory and practical examination was carried out in the month of July 2022. All the students were passed with good marks. The certificates were distributed to students who successfully completed the COC course and fulfill the minimum passing marks.

Overall the entire course was very fruitful for the students. They gained the basic techniques of plant tissue culture. Students get self-employed to raise their own nursery by micropropagation of plant tissue culture and skilled to operate tissue culture laboratory and instruments.



Coordinator

COC on Plant Tissue Culture

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JAYSINGPUR COLLEGE, JAYSINGPUR

Carrier Oriented Course under "Karmaveer Kaushalya Kendra"
Certificate Course in Plant Tissue Culture

2021-22

Glimpses of COC on Plant Tissue Culture

COC on Plant Tissue Culture (2021-22)



Coordinator

COC on Plant Tissue Culture

Anekant Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

1. Office of the Director, Karmaveer
2. Karmaveer Koushalya Kendra

Karmaveer Koushalya Kendra

Value Based Certificate Course

2021-22

CERTIFICATE

This is to certify that

Mr./Ms Sourabh Subhash Tanpure

of Jaysingpur College, Jaysingpur has been satisfactorily completed

Value Based Certificate Course in Plant Tissue Culture

during the Academic Year 2021 - 2022.

Date: 01/08/2022

Place: Jaysingpur



[Signature]
COURSE COORDINATOR

[Signature]
DIRECTOR
Karmaveer Koushalya Kendra

[Signature]
PRINCIPAL
Jaysingpur College, Jaysingpur

Aneka Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

1. B.A. (Hons.) English (Sem. I & II)
2. B.A. (Hons.) History (Sem. I & II)

Karmaveer Koushalya Kendra

**Value Based Certificate Course
2021-22**

CERTIFICATE

This is to certify that

Mr / Mrs Pranjali Nitish Sawant

of Jaysingpur College, Jaysingpur has been satisfactorily completed

Value Based Certificate Course in Plant Tissue Culture

during the Academic Year 2021 - 2022.

Date : 01/08/2022.

Place : Jaysingpur.



[Signature]
COURSE COORDINATOR

[Signature]
DIRECTOR
Karmaveer Koushalya Kendra

[Signature]
PRINCIPAL
Jaysingpur College, Jaysingpur

Anekarit Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

॥ ॐ नमो भगवते वासुदेवाय ॥
॥ ॐ नमो भगवते वासुदेवाय ॥

Karmaveer Koushalya Kendra

**Value Based Certificate Course
2021-22**

CERTIFICATE

This is to certify that

Mr./M/s Nihal Nijam Mujawar

of Jaysingpur College, Jaysingpur has been satisfactorily completed

Value Based Certificate Course in Plant Tissue Culture

during the Academic Year 2021 - 2022.

Date : 01/08/2022

Place : Jaysingpur



[Signature]
COURSE COORDINATOR

[Signature]
DIRECTOR
Karmaveer Koushalya Kendra

[Signature]
PRINCIPAL
Jaysingpur College, Jaysingpur

Anekal Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

ESTABLISHED IN 1972
KARNATAKA UNIVERSITY, DAVANGERE

Karmaveer Koushalya Kendra
Value Based Certificate Course
2021-22

CERTIFICATE

This is to certify that

Mr. / M/s Pratik Tukaram Dayal

of Jaysingpur College, Jaysingpur has been satisfactorily completed

Value Based Certificate Course in Plant Tissue Culture

during the Academic Year 2021 - 2022

Date : 01/08/2022

Place : Jaysingpur



[Signature]
COURSE COORDINATOR

[Signature]
DIRECTOR
Karmaveer Koushalya Kendra

[Signature]
PRINCIPAL
Jaysingpur College, Jaysingpur

Anekar Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

(Established in the year 1982) 2nd Floor
(Contact: 0202244444) 201, 202nd Street

Karmaveer Koushalya Kendra

**Value Based Certificate Course
2021-22**

CERTIFICATE

This is to certify that

Mr. / Miss Rutuja Santosh More

of Jaysingpur College, Jaysingpur has been satisfactorily completed

Value Based Certificate Course in Plant Tissue Culture

during the Academic Year 2021 - 2022

Date : 01/08/2022

Place : Jaysingpur



[Signature]
COURSE COORDINATOR

[Signature]
DIRECTOR
Karmaveer Koushalya Kendra

[Signature]
PRINCIPAL
Jaysingpur College, Jaysingpur

Anekant Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

Address: Jayasingpur, Dist. Jalgaon, Gujarat
Contact: 079-2222222

Karmaveer Koushalya Kendra

**Value Based Certificate Course
2021-22**

CERTIFICATE

This is to certify that

Mr. / Mrs. Abhijeet Arjun Gholve

of Jaysingpur College, Jaysingpur has been satisfactorily completed

Value Based Certificate Course in Plant Tissue Culture

during the Academic Year 2021 - 2022.

Date: 01/08/2022

Place: Jaysingpur




COURSE COORDINATOR


DIRECTOR
Karmaveer Koushalya Kendra


PRINCIPAL
Jaysingpur College, Jaysingpur

Anehan Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

1. Director (Karmaveer Kendra) | 2. Director
3. Director (Karmaveer Kendra) | 4. Director (Karmaveer Kendra)

Karmaveer Koushalya Kendra

**Value Based Certificate Course
2021-22**

CERTIFICATE

This is to certify that

M. / Miss Sneha Subhash Kattkar

of Jaysingpur College, Jaysingpur has been satisfactorily completed

Value Based Certificate Course in Plant Tissue Culture

during the Academic Year 2021 - 2022.

Date : 01/08/2022

Place : Jaysingpur



Sneha Subhash Kattkar
COURSE COORDINATOR

Sneha Subhash Kattkar
DIRECTOR
Karmaveer Koushalya Kendra

Sneha Subhash Kattkar
PRINCIPAL
Jaysingpur College, Jaysingpur

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2. Akant Education Society College Jaysingpur

Karmaveer Koushalya Kendra

**Value Based Certificate Course
2021-22**

CERTIFICATE

This is to certify that

Mr./M/s Shreenath Shashikant Patil

of Jaysingpur College, Jaysingpur has been satisfactorily completed

Value Based Certificate Course in Plant Tissue Culture

during the Academic Year 2021 - 2022.

Date : 01/08/2022.

Place : Jaysingpur



[Signature]
COURSE COORDINATOR

[Signature]
DIRECTOR
Karmaveer Koushalya Kendra

[Signature]
PRINCIPAL
Jaysingpur College, Jaysingpur

Anant Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

• Ph.D. (Life Science) (M.Phil.) • M. Sc. (Bio)
• M. Sc. (Genetics) • M. Sc. (Cell & Tissue Culture)

Karmaveer Koushalya Kendra
Value Based Certificate Course
2021-22

CERTIFICATE

This is to certify that

Mr. / Miss Shreya Suhas Borgave

of Jaysingpur College, Jaysingpur has been satisfactorily completed

Value Based Certificate Course in Plant Tissue Culture

during the Academic Year 2021 - 2022.

Date: 01/08/2022

Place: Jaysingpur



[Signature]
COURSE COORDINATOR

[Signature]
DIRECTOR
Karmaveer Koushalya Kendra

[Signature]
PRINCIPAL
Jaysingpur College, Jaysingpur

Anekant Education Society's

JAYSINGPUR COLLEGE, JAYSINGPUR

Address: 100, Jaisingpur, Dist. Jabalpur
Phone: 031-2551111

Karmaveer Koushalya Kendra

**Value Based Certificate Course
2021-22**

CERTIFICATE

This is to certify that

Mr./Ms. Vishal Rajendra Magdum

of Jaysingpur College, Jaysingpur has been satisfactorily completed

Value Based Certificate Course in Plant Tissue Culture

during the Academic Year 2021 - 2022

Date: 01/08/2022

Place: Jaysingpur



[Signature]
COURSE COORDINATOR

[Signature]
DIRECTOR
Karmaveer Koushalya Kendra

[Signature]
PRINCIPAL
Jaysingpur College, Jaysingpur



Anekant Education Society's

Jaysingpur College, Jaysingpur

Activity Report

Organised by: Department of Mathematics

Year:	2022
Name of the Activity:	Alumni meet
Date:	08 May, 2022
Venue:	Conference Hall
Convenor:	Mr.P.R.Patil
Organised for: College/class/ staff	Mathematics Department
No. of Participants	36
Nature: (e.g. Academic, cultural, sports etc)	Extension activity
Objectives of the Activity	Social responsibility of each individual
Chief Guest/s or Resource Person/s	Dr. R.D.Mane
Short Report (in English)	(08 May 2022) Alumni meet of department of Mathematics was arranged at conference room ,Jaysingpur College ,Jaysingpur.
Outcome/Remark	Aim of building a bridge between college life and career life and Both the ends shall work hand in hand to help each other for achieving the desired goal

(# Photos, participant's list and other documents are attached)



Aneka Education Society's

JAYSINGPUR COLLEGE JAYSINGPUR

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Email: iqacjspcollege@gmail.com

Name of the activity: Alumni Meet-2022

Report:

The concept of alumni meet is needs from both the ends, i.e. academicians and professionals, in the aim of building a bridge between college life and career life, both the ends shall work hand in hand to help each other for achieving the goal.

The idea took shape and Alumni meet arranged on Sunday on 08/05/2022 by department of Mathematics. Head of Mathematics department Dr J B Patade welcomed all alumni and introduced the guest. Head of Physics Department Dr. R. D. Mane sir was chief guest of alumni meet. He gave speech on job opportunity after graduation in Mathematics. There were 35 students and 5 teachers present for this event. Alumni shared their experienced associated with college and their current status. Academic toppers of department during academic year 2020-21 were felicitated by certificate and plant. Finally vote of thanks was given by convenor, Mr P.R.Patil, Assistant Professor in Mathematics.





Patil

Mr. P. R. Patil
Convenor

Patade

Dr. J.B.Patade
Head of the department



Hale
Agri. Principal
Jaysingpur College, Jaysingpur