

Department of Biotechnology
Presents
Certificate Course in Environmental
Analysis

Academic Year: 2022-23

**Sonopant Dandekar Arts, V. S. Apte Commerce and M. H. Mehta
Science College, Palghar
Department of Biotechnology
Certificate Course
Environmental Analysis**

Objectives:

1. To create awareness about a clean environment.
2. To inculcate scientific temperament among the students to understand environmental and agricultural issues.
3. Train the student to determine the quality of soil and water.
4. To create awareness about soil and wastewater treatment processes.

Learning Outcomes: Upon completion of this course, students will be able to:

1. Understand the impact of environmental pollution on agriculture.
2. Determine physical and chemical properties of soil and water.
3. Handle basic instruments and chemical reagents used in the soil and water testing laboratory.
4. Perform various tests for analysis of soil and water.
5. Understand how to improve the quality of soil and water by using suitable treatment methods.

Duration: - 50 Hrs.

Fees: - Rs. 500/-

Intake Capacity: 40 students

Total Marks: 100 [50 Marks Theory Exam and 50 Marks Practical Exam]

Eligibility: - FY / SY/ TY students interested in Environmental awareness and analysis and can be of any stream.

Certificate Course Syllabus and Expert Committee:

Sr. No.	Name	Designation
1.	Dr. Kiran J. Save	Principal, Sonopant Dandekar College, Palghar
2.	Dr. Shilpa M. Gharat	Course Coordinator, Assistant Professor and Head, Dept. of Biotechnology
3.	Prof. Mahesh Deshmukh	IQAC coordinator, Sonopant Dandekar College, Palghar
4.	Dr. Hemant Pednekar	Associate Professor, Ex. Principal Sonopant Dandekar College, Palghar and Head Dept. of Geography,

5.	Dr. Pankaj Goghri	I/C Principal, Professor and Head, Dept. of Botany, N.B. MEHTA SCIENCE COLLEGE, BORDI
6.	Mr. Anil More	Agriculture assistant, Taluka agriculture office, Palghar, Agriculture research centre campus(walan naka), Mahim road, Palghar west
7.	Mr. Suraj Gharat	Agriculture assistant, Taluka agriculture office, Palghar, Agriculture research centre campus(walan naka), Mahim road, Palghar west
8.	Asst. Prof. Mamta Tendulkar	Asst. Professor, K. J. Somaiya college.

List of subject teachers / Expertise faculty

Sr. No.	Name	
1.	Dr. Kiran J. Save	Principal, Sonopant Dandekar College, Palghar
2.	Dr. Shilpa M. Gharat	Course Coordinator, Assistant Professor and Head, Dept. of Biotechnology
3.	Dr. Hemant Pednekar	Expert in environmental awareness Ex. Principal and Head Dept. Geography, Sonopant Dandekar College, Palghar
4.	Dr. Pankaj Ghogri	Expert in environmental analysis Associate Professor and Head, Dept. of Botany, N.B. MEHTA SCIENCE COLLEGE, BORDI - 401 701
5.	Shailaja Palan	Expert in environmental studies, Asst. professor, Sonopant Dandekar College, Palghar

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Proposal

From:- Shilpa M. Gharat
Head of Dept. of Biotechnology,
Sonopant Dandekar College,
Palghar
Date: 01/09/22

To,
The Principal,
S.D.S.M. College,
Palghar.

Subject: Permission to increase the fees for certificate course in Environmental analysis from Rs. 300/- to Rs. 500/.

Respected Sir,

As per our oral conversation we are increasing the fees for certificate course in Environmental analysis from Rs. 300/- to Rs. 500/.

Please permit us for the same.

Thanking you,

Yours Sincerely,



Dr. Shilpa Gharat,

Head of the
Biotechnology Department
S. D. S. M. College,
Palghar (W) - 401 404

permitted for the same
Katane
01/09/22

Principal
Sonopant Dandekar Arts College
V. S. Apte Commerce College &
M. H. Mehta Science College,
PALGHAR (W.R.)
Dist. Palghar, Pin 401 404.



Sonopant Dandekar Shikshan Mandali's
Sonopant Dandekar Arts,
V. S. Apte Commerce &
M. H. Mehta Science College, Palghar
Estb.: 14 August 1968
Dr. Kiran Save, Principal

Kharekuran Road, Palghar (W), Tal. & Dist. Palghar,
Maharashtra - 401 404, INDIA
Tel. : +91 - 2525 - 252163
Principal : +91 - 2525 - 252317
Email : sdscollege@yahoo.com
Web. : www.sdscollege.com

Date: 1st September, 2022

NOTICE

DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE COURSE IN ENVIRONMENTAL ANALYSIS

All the students of senior college (Arts, Commerce, Science and Management) are hereby informed that Department of Biotechnology is organizing a Certificate Course on Environmental Analysis for all the environment enthusiasts to embrace, learn analytical skills to measure environmental factors and develop entrepreneurial skills in order to benefit in improving the agricultural resources in agricultural vicinity like Palghar.

Enrolment for the above course should be done on or before 15th September, 2022 the google link provided below.

Towards the payment of the course fee Rs. 500/- a payment link will be provided after the completion of registration process.

After successful completion of the course, participants will receive the Certificate from college.

Google form link for registration:

<https://docs.google.com/forms/d/e/1FAIpQLSfW30z7wW9q6mfpC2P3DRlyxLYUkA4aFmNTZOYvxbtlvvKPRQ/viewform>

Dr. Shilpa Gharat
Head & Course Coordinator
Department of Biotechnology

Prof. Mahesh Deshmukh
IQAC Coordinator

Dr. Kiran Save
Principal
Sonopant Dandekar Arts College,
V.S. Apte Commerce College &
M.H. Mehta Science College
PALGHAR (W.R.)
Dist. Palghar, Pin-401404

Brochure



SONOPANT DANDEKAR SHIKSHAN MANDALI'S
Sonopant Dandekar Arts, V. S. Apte Commerce and
M. H. Mehta Science College, Palghar

Certificate Course in Environmental Analysis Organized by Shri Dahyabhai Amritlal Shah Institute of Biotechnology



Contact : 9825367380/9833825453/7757846383 / 8446209150

AIMS AND BENEFITS

This Course will give valuable guidance to the students in acquiring knowledge of environmental factors, governance skills and their understanding of the environmental analysis.

Course Duration-50 Hours.

Fees: - Rs. 500/-

Intake Capacity : 40 students

Eligibility: - **FY / SY/ TY students from all streams**



HIGHLIGHTS OF THE COURSE

1. App based learning about the environmental factors.
2. Learn suitability of soil and water for agriculture.
3. Become an Agronomist Career opportunities as an environmentalist.
4. Learn to enhance traditional farming methods to improve overall profit.
5. Learn Physical and Chemical properties of components of soil and water.
6. Learn Soil and water testing- sampling methods and analysis of samples.
7. Gain hands-on knowledge about supplementing organic farming.
8. Discover ways in which you can help your local farmers

REGISTRATION LINK

https://docs.google.com/forms/d/e/1FAIpQ_LfW30z7wW9q6mfpC2P3DRlyxLYUkA4aEmNTZQYvxbtlvvKPRO/viewform



SONOPANT DANDEKAR SHIKSHAN MANDALI'S
Sonopant Dandekar Arts, V. S. Apte Commerce and
M. H. Mehta Science College, Palghar

Certificate Course in Environmental Analysis

Organized by
Shri Dahyabhai Amritlal Shah Institute of
Biotechnology



SOIL
SCIENCE



SOIL
ANALYSIS



SOIL
CHEMISTRY



Contact : 9825367380/9833825453/7757846383 / 8446209150

उद्दिष्ट

ह्या अभ्यासक्रमामुळे विद्यार्थ्यांना आपल्या पर्यावरणाला समजून घेण्याचे, पर्यावरणातील विविध घटकांचे विश्लेषण करणे आणि विश्लेषणाचे महत्व समजून घेण्यासाठी मोलाचं मार्गदर्शन मिळेल.

कोर्स कालावधी - ०३ महिने

शुल्क - 500/- मात्र

क्षमता : 40 विद्यार्थी

पात्रता: - FY / SY / TY / PG सर्व
शाखेतील विद्यार्थी



ठळक वैशिष्ट्ये

1. ॲप आधारित पर्यावरण घटकांचा अभ्यास.
2. शेतीसाठी कोणती माती आणि पाणी योग्य आहे ह्यांबद्दल मार्गदर्शन.
3. तुमच्या आजूबाजूच्या परिसरातील शेतीविषयक घटक सुधारण्यासाठी योग्य ते मार्गदर्शन.
4. प्रात्यक्षिकाद्वारे सेंद्रिय शेतीसाठी योग्य आणि पूरक मार्गदर्शन मिळेल.
5. स्थानिक शेतकऱ्यांना आर्थिक दृष्ट्या सक्षम करण्यासाठी तुम्ही योग्य मार्गदर्शन करू शकता.

REGISTRATION LINK

<https://docs.google.com/forms/d/e/1FAIpQLSfW30z7wW9q6mfpC2P3DRlyxLYUkA4aEmNTZOYvxbtlvvKPRO/viewform>

Soil & Water Analysis Syllabus

Units	Particulars	Number of Lectures	Total Lectures
Unit I	Introduction		
1.1	Environmental Pollution Types of pollution & pollutants	01	08
1.2	Soil and water as a natural resource and their importance in Agriculture	02	
1.3	Soil and water pollution caused by Agricultural waste and Agricultural chemicals	01	
1.4	Objectives of soil and water analysis and Introduction to basic instruments (pH meter, digital balance, conductivity meter, colorimeter) and chemical reagents used in the soil and water testing Laboratory.	04	
Unit II	Soil		
2.1	Soil - Physical and Chemical properties of soil and components of soil.	02	09
2.2	Problematic soils- Acidic soils, Alkaline soils, Saline soils. How they affect Agriculture and aqua farming	02	
2.3	Soil treatment	03	
2.4	Soil testing- sampling methods and analysis of samples.	02	
Unit III	Water		
3.1	Water- Physical and chemical properties of water, Water quality parameters	01	08

3.2	Effect of hard water, saline water, polluted water on agriculture	01	
3.3	Overview of wastewater treatment process	03	
3.4	water testing- sampling methods and analysis of sample practicals	03	

	Practical I- Soil analysis		
4.1	Determination of pH, Electrical Conductivity and Moisture content of Soil Sample.		12
4.2	Determination of available Nitrate from Soil Sample.		
4.3	App based analysis of soil.		
4.4	Determination of available Phosphate from soil sample.		
4.5	Determination of Organic Carbon from soil sample		
	Practical II- Water analysis		
5.1	Determination of pH and Electrical Conductivity of water sample		13
5.2	Determination of Total Alkalinity and Total Acidity of Water sample		
5.3	Determination of total hardness and salinity of the water sample		
5.4	Determination of Dissolved oxygen of water sample		
5.5	Determination of TS, TSS, TDS of water sample		



Sonopant Dandekar Shikshan Mandali's

Sonopant Dandekar Arts, V. S. Apte Commerce & M. H. Mehta Science College, Palghar

(Best College - University of Mumbai)

(Amongst Top 100 Colleges in India by 'India Today - MDRA Survey 2019')

Department of Biotechnology

26th September, 2022

NOTICE - TIME TABLE

We are delighted to inform all registered participants that the **Certificate course in Environmental Analysis** will commence in the month of **4th October, 2022**. The detailed lecture schedule is provided below for your convenience. Please make a note of it to ensure you don't miss any sessions:

Day	Time	Venue	Name of the Faculty Member
Monday	08:00 am to 09:00 am	Biotechnology Lab 1	Dr. Shilpa Gharat
Tuesday	08:00 am to 09:00 am	Biotechnology Lab 1	Dr. Shailaja Palan
Wednesday	08:00 am to 09:00 am	Biotechnology Lab 1	Asst. Prof. Runali Raut
Thursday	08:00 am to 09:00 am	Biotechnology Lab 1	Asst. Prof. Apurva Save
Friday	08:00 am to 09:00 am	Biotechnology Lab 1	Asst. Prof. Ishwari Mehta

Kindly make a note of the schedule and remain present in the laboratory 15 minutes before the schedule time.

Head & Course Coordinator



11

Principal

PRINCIPAL
Sonopant Dandekar Arts College,
V.S. Apte Commerce College &
M.H. Mehta Science College
PALGHAR (W.R.)
Dist. Palghar, Pin-401404

Student enrollment List

FEES DETAILS EVS COURSE 2022-23

Sr.No	Names	Class	College	Year	Faculty	Fees
1	Prabodhini Kamble	prabodhini98@gmail.com	Sonopant dandekar college	Second Year	Biotechnology	Paid
2	Prajwali Pramod Bhoir	bhoirprajwali32@gmail.com	SDSM college	Second Year	MSc	Paid
3	Sonelal Prajapati	sonuprajapati3552@gmail.com	Sdsm college	Second Year	MSc	Paid
4	Arun M Nair	amn20400@gmail.com	Sdsm college	Second Year	MSc	Paid
5	Sandeep Rammurari Yadav	sy4212621@gmail.com	SDSM college palghar	Second Year	MSc	Paid
6	Sarath U Nair	sarathunni2010@gmail.com	Sdsm college	Second Year	MSc	Paid
7	Sakshi Tiwari	Tiwarishakshi765@gmail.com	S. D. S. M College Palghar	Second Year	MSc	Paid
8	Kishan K.B. Gautam	ktheknowledgeworld788712@gmail.com	Sonopant Dandekar Sikshan Mandali Palghar	Second Year	MSc	Paid
9	Kajol Khilare	kajolkhilare16@gmail.com	S. D. S. M College, Palghar	Second Year	MSc	Paid
10	Afrin Azad Shaikh	shaikhafrin301@gmail.com	S. D. S. M college	Second Year	MSc	Paid
11	Mansi Gopal Goenka	mansigoenka777@gmail.com	S. D. S. M college	Second Year	MSc	Paid
12	Siddhi Santosh Shinde	Siddhi120074@gmail.com	Sonopant dandekar college (palghar)	Second Year	MSc	Paid
13	Arya Swapnil Vartak	vartakaarya5@gmail.com	Sonopant Dandekar College, Palghar	Second Year	MSc	Paid
14	Shivangi Rajnarayan Tiwari	tshivangi753@gmail.com	S. D. S. M College Palghar - 401404	Second Year	MSc	Paid
15	Pratibha Paramdayal Kusum Vishwakarma	Pratibhavishwakarma216@gmail.com	SDSM college, palghar	Second Year	Bsc Biotechnology	Paid
16	Hrishikesh palave	hrishipalave100@gmail.com	Sonopant Dandekar	Second Year	Bsc biotechnology	Paid
17	Disha Naudiyal	chippoo.naudiyal14@gmail.com	Sonopat dandekar sikhshan mandali	Second Year	B.Sc	Paid

18	Shreyash Dixit	shreyashd2207@gmail.com	SDSM	Second Year	B.Sc	Paid
19	Vedant Santosh Gharat	gharatvedant6@gmail.com	S.D.S.M College, Palghar	Second Year	B.Sc	Paid
20	Aakanksha Madhav Behere	akmbehere@gmail.com	Sonopant Dandekar Shikshan Mandali's College	Second Year	B.Sc	Paid
21	Anisha Santosh Bhoir	anishabhoir2003@gmail.com	SDSM college palghar	Second Year	B.sc Biotechnology	Paid
22	Ajmi Shaji Khan	ajmishaji524@gmail.com	S.D.S.M College	Second Year	Bsc Biotechnology	Paid
23	Khushboo Shekhawat	shekhawatkhushboo951@gmail.com	Sdsm	Second Year	Bsc biotechnology	Paid
24	Jitu krishna karbat	jitukarbat57@gmail.com	SDSM college	Second Year	B.sc biotechnology	Paid
25	Rai Vani datt Ashok Kumar Vandana	vanirai66@gmail.com	S.D.S.M.	Second Year	Bsc biotechnology	Paid

Students Attendance List

Sonspant Dandekar Arts, V.S. Apte Commerce & M.H. Mehta Science College, Palghar.

Dist-Palghar (401 404)

Semester based Credit & Grading System

Attendance of students for Tutorial/Assignment/Projects/Class test

Academic Year 2022-23

20/12/23
⑦

Class: _____ Div.: _____ Subject: _____ Course: _____ Semester: _____

Paper No. _____ Name of Assoc. Prof. Shivani Mehta

Sr. No.	Roll No.	Sign	Sr. No.	Roll No.	Sign	Sr. No.	Roll No.	Sign
1	Sambit	Shivani	26			51		
2	Prabodhan	Shivani	27			52		
3	Pratibha	Shivani	28			53		
4	Siddhi	Shivani	29			54		
5	Asha	Shivani	30			55		
6	Arun	Shivani	31			56		
7	Sonal	Shivani	32			57		
8	Harsh	Shivani	33			58		
9	Ashin	Shivani	34			59		
10	Vedant	Shivani	35			60		
11	Anant	Shivani	36			61		
12	Nani	Shivani	37			62		
13	Ushika	Shivani	38			63		
14	Jitu	Shivani	39			64		
15	Anisha	Shivani	40			65		
16	Trishikesh	Shivani	41			66		
17	Shreyansh	Shivani	42			67		
18	Muskan	Shivani	43			68		
19	ATMI	Shivani	44			69		
20	Shivangi	Shivani	45			70		
21	Kajol	Shivani	46			71		
22	Kehar	Shivani	47			72		
23			48			73		
24			49			74		
25			50			75		

Shivani Mehta
Signature of Asst./Assoc. Prof.

Date: _____

Sonopant Dandekar Arts, V.S. Apte Commerce & M.H. Mehta Science College, Palghar
Dist-Palghar (401 404)

Semester based Credit & Grading System

Attendance of students for Tutorial/Assignment/Projects/Class test
Academic Year 2014-2015

26/11/22

Class: _____ Div.: _____ Subject: EVS course Course: _____ Semester: _____

Paper No. _____ Name of Assoc. Prof. Ms. Ishwari Mehta

Sr. No.	Roll No.	Sign	Sr. No.	Roll No.	Sign	Sr. No.	Roll No.	Sign
1	Sushet	<i>[Signature]</i>	26			51		
2	Prabhat	<i>[Signature]</i>	27			52		
3	Pragya	<i>[Signature]</i>	28			53		
4	Sandeep	<i>[Signature]</i>	29			54		
5	Ashwin	<i>[Signature]</i>	30			55		
6	Ashwin	<i>[Signature]</i>	31			56		
7	Shreyas	<i>[Signature]</i>	32			57		
8	Anshika	<i>[Signature]</i>	33			58		
9	Aakanksha	<i>[Signature]</i>	34			59		
10	Vanidatta	<i>[Signature]</i>	35			60		
11	Pratibha	<i>[Signature]</i>	36			61		
12	Himi	<i>[Signature]</i>	37			62		
13	Anisha	<i>[Signature]</i>	38			63		
14	Vedant	<i>[Signature]</i>	39			64		
15	Jitu	<i>[Signature]</i>	40			65		
16			41			66		
17			42			67		
18			43			68		
19			44			69		
20			45			70		
21			46			71		
22			47			72		
23			48			73		
24			49			74		
25			50			75		

Date: _____

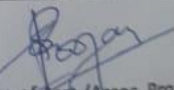
[Signature]
26/11/22
Signature of Asst./Assoc. Prof.

Attendance of students for Tutorial/Assignment/Projects/Class test
Academic Year 2014-2015

Class: _____ Div.: _____ Subject: EVS Certificate Course
 Paper No. _____ Name of Assoc. Prof. Shailaja Poojary Semester: _____

Sr. No.	Roll No.	Sign	Sr. No.	Roll No.	Sign	Sr. No.	Roll No.	Sign
1	94021	Radhika	26			51		
2	94014	Shalini	27			52		
3	94047	Shweta	28			53		
4	94008	V. Harini	29			54		
5	94007	Paini	30			55		
6	94011	Dhruv	31			56		
7	94012	Ravi	32			57		
8	94003	Dhruvi	33			58		
9	94002	Madhvi	34			59		
10	94035	Shweta	35			60		
11	13009	Madhavi	36			61		
12	13011	Shweta	37			62		
13	13015	Rishi	38			63		
14	13016	Tarini	39			64		
15	13006	Shweta	40			65		
16	13017	Madhvi	41			66		
17	13004	Ravi	42			67		
18	13005	Shweta	43			68		
19	13007	Shweta	44			69		
20	13008	Rishi	45			70		
21	13020	Shweta	46			71		
22	13013	Shweta	47			72		
23	13014	Shweta	48			73		
24			49			74		
25			50			75		

Date: 09/11/23


Signature of Asst./Assoc. Prof.

Songpant Dandekar Arts, V.S.Apte Commerce & M.H.Mehta Science College, Palghar
Dist-Palghar (401 404)

Semester based Credit & Grading System

Attendance of students for Tutorial/Assignment/Projects/Class test 28/11/22
Academic Year 2014-2015

Class: _____ Div.: _____ Subject: EVS course Course: _____ Semester: _____

Paper No. _____ Name of Assoc. Prof. Niyati Patel

Sr. No.	Roll No.	Sign	Sr. No.	Roll No.	Sign	Sr. No.	Roll No.	Sign
1	Mansi G		26			51		
2	Ashin S.		27			52		
3	Kavangi T.		28			53		
4	Siddhika		29			54		
5	Arya V.		30			55		
6	Prjwal B.		31			56		
7	Arun		32			57		
8	Sandeep		33			58		
9	Sarath		34			59		
10	Sonal		35			60		
11	Arun	Arjun	36			61		
12	Vani		37			62		
13	Ankanksha		38			63		
14	Anisha		39			64		
15	Aimi		40			65		
16	Poojisha		41			66		
17	Prishika		42			67		
18	Ksham		43			68		
19	Kajal K.		44			69		
20			45			70		
21			46			71		
22			47			72		
23			48			73		
24			49			74		
25			50			75		

Date: 28/11/22

Signature of Asst./Assoc. Prof.

Sonopant Dandekar Arts, V.S.Apte Commerce & M.H.Mehta Science College, Palghar

Dist-Palghar (401 404)

Semester based Credit & Grading System

Attendance of students for Tutorial/Assignment/Projects/Class test

Academic Year 2014-2015

29/11/22

Class: _____ Div.: _____ Subject: EVS course Course: _____ Semester: _____

Paper No. _____ Name of Assoc. Prof. Hardik Sa Churi

Sr. No.	Roll No.	Sign	Sr. No.	Roll No.	Sign	Sr. No.	Roll No.	Sign
1	Prayansh		26			51		
2	Siddhi S		27			52		
3	Arya V.		28			53		
4	Adarsh		29			54		
5	Anur		30			55		
6	Sanam		31			56		
7	Sonekal		32			57		
8	Sandeep		33			58		
9	Shravan		34			59		
10	Aparna S		35			60		
11	Mansi G		36			61		
12	Karal K		37			62		
13	Pratikha		38			63		
14	Ajmi		39			64		
15	Arishikesh		40			65		
16	Vani		41			66		
17	Anarika		42			67		
18	Ahisha		43			68		
19			44			69		
20			45			70		
21			46			71		
22			47			72		
23			48			73		
24			49			74		
25			50			75		

Date: 29/11/22

Signature of Asst./Assoc. Prof.

Attendance of students for Tutorial/Assignment/Projects/Class test
Academic Year 2014-2015

Class: _____ Div.: _____ Subject: EVS Certificate course
 Paper No. _____ Name of Assoc. Prof. Shailaya Poojary Semester: _____

Sr. No.	Roll No.	Sign	Sr. No.	Roll No.	Sign	Sr. No.	Roll No.	Sign
1	94021	<i>Radhe</i>	26			51		
2	94014	<i>Shah</i>	27			52		
3	94017	<i>Shris</i>	28			53		
4	94008	<i>Vhanu</i>	29			54		
5	94007	<i>Dain</i>	30			55		
6	94011	<i>Dhu</i>	31			56		
7	94012	<i>Ram</i>	32			57		
8	94003	<i>Dhoani</i>	33			58		
9	94002	<i>Machhi</i>	34			59		
10	94035	<i>Shrestha</i>	35			60		
11	13029	<i>machhiya</i>	36			61		
12	13011	<i>Subey</i>	37			62		
13	13015	<i>Rishi</i>	38			63		
14	13016	<i>Toti</i>	39			64		
15	13006	<i>Shrestha</i>	40			65		
16	13017	<i>Machhi</i>	41			66		
17	13004	<i>Dhoani</i>	42			67		
18	13005	<i>Shrestha</i>	43			68		
19	13007	<i>Shrestha</i>	44			69		
20	13008	<i>Shrestha</i>	45			70		
21	13020	<i>Shrestha</i>	46			71		
22	13013	<i>Shrestha</i>	47			72		
23	13014	<i>Shrestha</i>	48			73		
24			49			74		
25			50			75		

Date: 09/11/23

Shailaya Poojary
 Signature of Asst./Assoc. Prof.

Certificate of Students



SONOPANT DANDEKAR SHIKSHAN MANDALI'S
Sonopant Dandekar Arts, V. S. Apte Commerce and
M. H. Mehta Science College, Palghar
Shri Dahyabhai Amritlal Shah Institute of Biotechnology



Certificate of Completion

This certificate is awarded to

PALAVE HRISHIKESH

of Sonopant Dandekar College Studying in Bsc SECOND YEAR
Biotechnology, for successful completion of a three month course
on "Environment Analysis" organized by
Department of Biotechnology, Sonopant Dandekar College,
Palghar, in the AY. 2022-2023

Shilpa .P.

MDeshmukh

K.S. Save

DR. SHILPA GHARAT
Co-ordinator Dept. of Biotechnology,
Convenor

ASST. PROF. MAHESH DESHMUKH
IQAC Co-ordinator

DR. KIRAN SAVE
Principal



SONOPANT DANDEKAR SHIKSHAN MANDALI'S
Sonopant Dandekar Arts, V. S. Apte Commerce and
M. H. Mehta Science College, Palghar
Shri Dahyabhai Amritlal Shah Institute of Biotechnology



Certificate of Completion

This certificate is awarded to

BEHERE AAKANKSHA MADHAV

of Sonopant Dandekar College Studying in B.Sc SECOND YEAR
Biotechnology, for successful completion of a three month course
on "Environment Analysis" organized by
Department of Biotechnology, Sonopant Dandekar College,
Palghar, in the AY. 2022-2023

Shilpa .P.

DR. SHILPA GHARAT

**Co-ordinator Dept. of Biotechnology,
Convenor**

MDeshmukh

ASST. PROF. MAHESH DESHMUKH

IQAC Co-ordinator

K. Save

DR. KIRAN SAVE

Principal

Report of Program

SDSM College's Biotechnology department started a EVS Certificates course from 4th October, 2022 for academic year 2022-23. Total 25 students take part in this certificate course. This certificate course will help students for employability, inculcate scientific temperament among the students to understand environmental and agricultural issues and train the student to determine the quality of soil and water and create awareness about soil and wastewater treatment processes.

Duration: 3 Months

Format: Lectures, Practical and test

Date of Commencement: 4th October, 2022

No. of Students passed: 25



Dr. Shilpa Gharat
Head & Course Coordinator
Department of Biotechnology

