

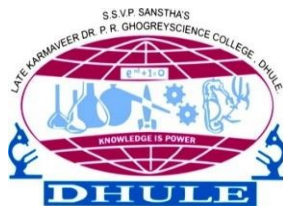


**Shri Shivaji Vidya Prasarak Sanstha's**  
**Late Karmaveer Dr. P. R. Ghogrey Science College,**  
**Dhule (M.S.)**

**DEPARTMENT OF ENVIRONMENTAL  
SCIENCE**

***DEPARTMENTAL PROFILE***

**S.S.V.P.S's Late Karmaveer Dr. P. R. Ghogrey Science College, Dhule, Maharashtra**  
**'A+' Grade NAAC Re-Accredited**  
(Affiliated to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon)



## **DEPARTMENT OF ENVIRONMENTAL SCIENCE**

### **Departmental Profile**

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#### **1. Scope and Importance of department-**

Environmental Science is an interdisciplinary science which encompasses areas viz, chemistry, Botany, Zoology, Geography, Geology, physics, medical science, life science, agriculture, public health, sanitary engineering etc. The subject offers exciting opportunities in various fields from basic research to an industry-oriented career. As mentioned earlier, Environmental Science combines various subjects. Even if you are not pursuing a B. Sc or Bachelor's in Environmental Science, you can still be an environmentalist with other disciplinary specialization. If you are a Marine Biologist, you can go for a certificate course or a diploma in Environmental Science. The other career fields that are related to Environmental Science and will help you in planning your career successfully are; Water Resource Management, Soil Ecology, Wildlife & Forestry, Environmental Education, Marine Biology, Fire Sciences, Wildlife Conservation, Biological Conservation, Energy & Climate Change, Ecology, Town Planning, Sustainable Energy, Environmental Engineering

#### **2. Introduction of Department-**

The Department made a modest beginning in 2010 with the commencement of B.Sc. (Environmental Science) course. The department has highly qualified and experienced teaching staff and who strive hard to impart quality education to the students. The Department has well equipped laboratories with latest equipments/instruments. The Department has one laboratory. The Department also has a departmental library where reputed International and National editions of books and Journals are made available to the students.

#### **3. Year of establishment:**

- Undergraduate courses- June 2010.

**4. Details of Programmes / Courses offered (UG/PG/PhD/Certificate Course/Diploma course) ( Academic Year 2022-23)**

Name of Programme	Duration	Entry Qualification	Medium of Instruction	Intake Capacity
Under Graduate	3 Years	H.S.C. Science	English	30

**5. Program pattern (Semester / annual/ CBCS)**

Name of Programme	Internal Exam.	External Exam.	Pattern
Under Graduate	40	60	Semester

**6. Number of teaching and non-teaching staff**

**Teaching Staff**

Sr. No.	Name of Faculty	Qualification	Designation	Experience (Yrs.)
1	Dr. Varsha Rahul patil	M.Sc. B.Ed. Ph.D.	Head, Asst. Professor	18
2	Mr. Vijay Chudaman Patil	M.Sc. NET, SET, Pursuing Ph.D.	Asst. Professor	10
3	Miss. Ketki Padmakar Sangle	M.Sc. B.Ed SET.Pursuing Ph.D.	Asst. Professor	01

**Non-teaching Staff**

Sr. No.	Name of Faculty	Designation	Experience (Yrs.)
1	Mr. Rakesh P. Kachave	Lab. Assistant	05
2	Mrs. Malti Patil	Lab. Attendant	05

**7. Number of Teaching in the department**

Designation	Sanctioned	Filled
Professor	Nil	Nil
Associate Professor	Nil	Nil
Assistant Professor	03	03*
* Filled on fix pay Non grant basis		

**8. Faculty profile with name, qualification, designation, specialization, (Ph.D. / M. Phil. etc.,)**

Sr. No.	Name of faculty	Qualification	Year of appointment	Designation	Specialization	Experience (Year and months)
1	Dr. Varsha Rahul Patil	M.Sc. B.Ed. Ph.D.	2007	Head, Asst. Professor	Environmental Science	16
2	Mr. Vijay Chudaman Patil	M.Sc. NET, SET, Pursuing Ph.D.	2009	Asst. Professor	Geography	14
3	Miss. Ketki Padmakar Sangle	M.Sc. B.Ed SET. Pursuing Ph.D.	2022	Asst. Professor	Environmental Science	01

**9. List of senior visiting faculty ..... NO**

**10. Ongoing /completed research projects by faculty funded by governmental and non-governmental agencies (Last five years)**

Sr. No	Name of the principal investigator	Duration of the project	Name of the research project	Amount fund received	Name of funding agency	Year of sanction	Dept. of recipient
Nil							

**11. Research papers published in journals notified on UGC website (Last five years)**

Sr. No.	Name of Journal	Title of Research Paper	ISSN/ ISBN No.	Whether peer reviewed. Impact Factor, if any
1	International Journal for Research in Applied Science and Engineering Technology	Impact of Industrial Effluents in the Physico-Chemical Parameters of Ground Water in India: A Survey	2321-9653	6.887

**12. Research papers published in National/International Conference-proceedings**

Sr. No.	Name of the Conference Seminar	Title of Research Paper	ISSN/ ISBN	Place & Date
Nil				

**13. Number of books and chapter in edited volumes/Books published**

Title of the book/chapter published	National/ International	Year of publication	ISBN/ISSN No.	Name of the publisher
Nil				

#### 14. Name of Research Guides

Sr. No.	Name of research guide	Ph. D/ M. Phil
Nil		

#### 15. Number of Ph. D/ M. Phil awarded by faculty

Name of Ph. D/M. Phil scholar	Name of the Guide/s	Title of the thesis	Year of registration of scholar	Year of awards of Ph. D/ M. Phil.
NA				

#### 16. Faculty as chairman/members in National committees/International Committees/ Editorial Boards/BOS/University committees etc.

Sr. No.	Name of faculty	Name of the body in which full time teacher participated	Member of editorial board	Reviewer
1	Dr. Varsha Rahul patil	<ul style="list-style-type: none"> <li>Member, F.Y.B.Sc. S.Y.B.Sc. and T.Y.B.Sc Environmental Science Paper setting and practical exam committee</li> </ul>	Paper Setting and Practical Exam Committee KBC NMU, Jalgaon	--
2	Mr. Vijay Chudaman Patil	Member, F.Y.B.Sc. S.Y.B.Sc., T.Y.B.Sc Environmental Science Paper setting and practical exam committee	Paper Setting and Practical Exam Committee KBC NMU, Jalgaon	--

#### 18. Awards / Recognitions received by faculty

Year of awards	Name of full time teachers receiving awards from state level, National level, International level	PAN	Designation	Name of the award, fellowship, received from government or recognized bodies
-----Nil-----				

**19. Numbers of awards / Medals for outstanding performance in sports/cultural activities in National/ International/ State level etc. received by students**

Year	Name of the award/Medal	National/International /Stateetc.	Sports/Cultural	Aadhar/StudentID No.	Name of the Student
2021-22	Air Pistol Shooting	National	Sports	641441125192	Patil Tejas Santosh

**20. Students Qualifying in State/National/International level examination (NET, SET, GATE, GMAT, GRE, TOEFL/UPSC/MPSC/State government examination, etc.)**

Year	Registration No./Roll for the examination	Number of Students Selected								
		SET	NET	GATE	GMAT	CAT	RGE	TOFEL	Civil services	State Govt. Examinations/ Others
2022	596460	01	-	-	-	-	-	-	-	-

**21. Student progression to higher studies. UG to PG, PG to M. Phil., PG to Ph. D, M. Phil to Ph. D, Ph. D to post Doctoral, etc. (Last Batch, 2016-17)**

**1 UG to PG**

Sr. No.	Program Graduated From	Department Graduated from	Student Name	Name of the Institute Joined	Name of the Program admitted
1	B. Sc. Environmental Science	S.S.V.P.S. Science College-Dhule	Mr. Girase Kuldeepsing surjitsing	KBCNMU Jalgaon	M. Sc. Environmental Science
2	B. Sc. Environmental Science	S.S.V.P.S. Science College-Dhule	Chavan Pooja Suresh	K.T.H.M., College, Nashik	M. Sc. Environmental Science
3	B. Sc Environmental Science.	S.S.V.P.S. Science College-Dhule	Patil kamini Chandrakant	K.T.H.M., College, Nashik	M. Sc. Environmental Science
4	B. Sc. Environmental Science	S.S.V.P.S. Science College-Dhule	Patil Devendra Satiala	VSI Baramati Pune	M. Sc. Environmental Science
5	B.Sc EnvironmentalS	S.S.V.P.S. Science	Vinchurkar Harshal Sunil	Pune University	M. Sc.



	ciences	College-Dhule			Environmental Science
6	B.Sc Environmental Science	S.S.V.P.S. Science College-Dhule	More Kiran Rajendra	K.T.H.M. College, Nashik	M. Sc. Environmental Science
7	B.Sc Environmental Science	S.S.V.P.S. Science College-Dhule	Wagh Sagar Hiranman	KBCNMU	M. Sc. Environmental Science
8	B.Sc Environmental Science	S.S.V.P.S. Science College-Dhule	Shirsath Rakesh Ravindra	YCMOU, Nashik	M. Sc. Environmental Science
9	B.Sc Environmental Science	S.S.V.P.S. Science College-Dhule	Ahire Hemraj Manohar	KBCNMU	M. Sc. Environmental Science
10	B.Sc Environmental Science	S.S.V.P.S. Science College-Dhule	Salunkhe Madhuri rajendra	YCMOU, Nashik	M. Sc. Environmental Science
11	B.Sc Environmental Science	S.S.V.P.S. Science College-Dhule	Patil Rhotika Rajendra	YCMOU, Nashik	M. Sc. Environmental Science
12	B.Sc Environmental Science	S.S.V.P.S. Science College-Dhule	Patil Lalit vasudev	KTHM College	M. Sc. Environmental Science
13	B.Sc Environmental Science	S.S.V.P.S. Science College-Dhule	Baviskar Sumit subhash	KBCNMU	M. Sc. Environmental Science
14	B.Sc Environmental Science	S.S.V.P.S. Science College-Dhule	Bhamare Tejaswini Manoj	KBCNMU	M. Sc. Environmental Science
15	B.Sc Environmental Science	S.S.V.P.S. Science College-Dhule	Nikam Ketan sanjay	KBCNMU	M. Sc. Environmental Science
16	B.Sc Environmental Science	S.S.V.P.S. Science College-Dhule	Shinde Bhagryashree Vinod	KBCNMU	M. Sc. Environmental Science
17	B.Sc Environmental Science	S.S.V.P.S. Science College-Dhule	Mali Rahul Nitin	SP College, Pune.	M. Sc. Environmental Science
18	B.Sc	S.S.V.P.S. Science	Shinde Tanvi	Ferguson	M. Sc.

	Environmet alScience	College- Dhule	Shreerang	College.	Environmental Science
19	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Patil Mahima Suresh	YCMOU	M. Sc. Environmental Science
20	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Jagtap Gaurav Bhausahab	KBCNM U	M. Sc. Environmental Science
21	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Desale Trupti Dhondur	KBCNM U	M. Sc. Environmental Science
22	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Suryawanshi Ketan Sambhaji	KBCNM U	M. Sc. Environmental Science
23	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Patil Priyanka Kailas	KBCNM U	M. Sc. Environmental Science
24	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Shirsath Bhuvneshwari Amrut	KBCNM U	M. Sc. Environmental Science
25	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Shah Avis Shah Ayub	MBA, SSVPS Eng. College, Dhule.	M. Sc. Environmental Science
26	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Shinde Saurabh Ashok	MBA, SSVPS Eng. College, Dhule.	M. Sc. Environmental Science
27	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Borse Unnati Dinkar	DMLT Vidyadhan College.	M. Sc. Environmental Science
28	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Patil Mahesh Shantaram	DMLT Vidyadhan College.	M. Sc. Environmental Science
29	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Girase Yogita Sangramsingh	DMLT Vidyadhan College.	M. Sc. Environmental Science
30	B.Sc Environmet	S.S.V.P.S. Science College-	Derore Amrita Rajendra	YCMOU	M. Sc. Environmental



	alScience	Dhule			Science
31	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Wakle Neelam Ravindra	St. Joseph Inter. Fire &Safety Aca. Thane.	Adv. Health & Safe. Envi.
32	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Baisane Mrunmayi Bharat	MIT World Peace, Universiy	M.Sc
33	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Kadam Dyaneshwar Bhatu	Insti. Of Fire & Safe. Tech.	ADIS
34	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Deore Pratik Rajendra	Insti. Of Fire & Safe. Tech.	ADIS
35	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Pawar Rohit Himmat	Insti. Of Fire & Safe. Tech.	ADIS
36	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Patl Harshada Sanjay	KTHM College, nashik	M.Sc
37	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Patil Hitesh Sanjay	KBCNM U	M.Sc
38	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Pawar PriteshVijay	KBCNU	
39	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Suryawanshi Yashraj Dhanraj	KBCNM U	M.Sc.
40	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Kumbhar Ajay Walmik	Felix-Its, Train & Devlop. Consultanc y, Pune	IT Course
41	B.Sc Environmet alScience	S.S.V.P.S. Science College- Dhule	Sonawane Pawan Bhatu	Felix-Its, Train & Devlop. Consultanc y, Pune	IT Course

**2 PG to Ph. D or M. Phil to Ph. D.**

Sr. No.	Program Graduated From	Department PG from	Student Name	Name of the Institute Joined	Name of the Program admitted
Nil					

**22. Placement of outgoing students (Last five years, 2017-2022)**

Sr.	Contact detail	Number of students placed	Name of the employer	Package received (L/A)	Program graduated from
1	9588656622		GiraseKuldeeping Surjitsing	4.9	S.S.V.P.S. Science College- Dhule
2	9284467322		Patil Devendra Satilal	4.8	S.S.V.P.S. Science College- Dhule
3	9175261368		Vinchurkar Harshal Sunil	3.3	S.S.V.P.S. Science College- Dhule
4	8766595584		Wagh Sagar Hiranman	3.9	S.S.V.P.S. Science College- Dhule
5	9766862917		Ahire Hemraj Manohar	3.9	S.S.V.P.S. Science College- Dhule
6	9921575325		Shirsath Rakesh Ravindra	3.9	S.S.V.P.S. Science College- Dhule
7	8329501171		Suryawanshi Chetan Sambhaji	2.8	S.S.V.P.S. Science College- Dhule
8	9673046079		Neelam Ravindra Wakale	4.2	S.S.V.P.S. Science College- Dhule

**23. List of alumni/contribution**

Sr. No.	Name of Alumni	Year of Graduation/Post Graduation	Position held	Contact detail (Email, Mobile No.)	Quantum of Contribution
NIL					

**24. Seminars/ Conferences/Workshops/ Webinar organized & the source of funding**

Sr. No.	Level National/ International/ State	Name of the workshop/Seminar	Durations (From-To)	Number of participants
1	State Level	State Eligibility Test (SET) Paper-I Preparation	24/07/2021	160

**25. Student profile programme/course wise:**

Year	Name of the Course/programme	Applications received	Enrolled		Total number of Students
			*F	*M	
2017-18	T.Y.B.Sc. Envi. Scie		03	07	10
2018-19	T.Y.B.Sc. Envi. Scie		03	03	06
2019-20	T.Y.B.Sc. Envi. Scie		10	04	14
2020-21	T.Y.B.Sc. Envi. Scie		14	06	20
2021-22	T.Y.B.Sc. Envi. Scie		04	10	14

**26. Departmental result (last five year)**

Year	Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
2017-18	UG	T.Y.Bsc	13	13
		M.Sc	20	18
2018-19	UG PG	T.Y.Bsc	25	18
		M.Sc	14	14
2019-20	UG PG	T.Y.Bsc	34	33
		M.Sc	16	14
2020-21	UG PG	T.Y.Bsc	25	23
		M.Sc	16	15
2021-22	UG PG	T.Y.Bsc	36	30
		M.Sc	25	24

**27. Number of functional MoU's with corporate houses/ industries/other institutes/ Universities, etc.**

Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MoU year wise	Number of students/teachers participated under MoUs
NIL					

**28. Details of Infrastructural facilities**

*Internet facilities for Staff & Students:* Student and staff provided with 20mbps wi-fi access.

*Class rooms with ICT facility:* Smart Class room facility with smart board, also with projector

*Laboratories:* 01 Laboratories with 4 burner points for aseptic inoculation.

*List of Equipments/Instruments:*

**List of Instruments**

No.	Name Of Equipments	Quantity	Year Of Purchase	Total Expenditures during Past Three Years (Rs)
1	Conductivity Meter Digital Equiptronics with cell	01	2013-2014	9315=00
2	P.H. Meter Equiptronics Digital EQ-610	01	2013-2014	9060=00
3	Digital Turbidity Meter Equiptronics	01	2013-2014	10090=00
4	D.O. Meter Lutron	01	2013-2014	12808=00
5	Digital Soil Thermometer	05	2013-2014	2750=00
6	China Dish 4 inch	50	2013-2014	3250=00
7	Spirit Lamp 125 Ml Glass	06	2013-2014	570=00
8	Digital Balance with Wind Shield	01	2018-2019	6200=00
9	Digital Colorimeter	01	2013-2014	10100=00
			<b>Total</b>	<b>64143=00</b>

**29. Details on student enrichment programmes (special lectures / workshops / seminar/ Webinar) with external experts**

<b>Sr. No.</b>	<b>Enrichment programmes</b>	<b>Experts</b>
1 2	Webinar	Shri. Shashikant Shinde “State Eligibility Test (SET) Paper-I Preparation”
3	Industrial Visit	Jain Irrigation System Ltd, Jalgaon
4	Industrial Visit	York Winery Ltd, Nasik
5	Industrial Visit	Sula Wine, Nasik

**30. Teaching methods adopted to improve student learning-**

- Use of Video Clips
- Video Conferencing Lecture
- Organized Workshop
- Students seminars
- Field projects/Survey
- Review of research papers (Avishkar)
- Use of Adobe Acrobat reader

**31. Participation in Institutional Social Responsibility (ISR) and Extension activities**

- Head, Department of Environmental Science
- Campus Supervision Committee Member.
- Participate Academic Curriculum Activities.

**32. Future plans:**

- To Start Post Graduation in Environmental Science.
- To conduct Certificate course in Industrial Safety.

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