



SHIVAJI UNIVERSITY, KOLHAPUR

Department of Environmental Science

2023 - 2024

Department of Environmental Science

Establishment Year : 1986

Head of the Department : Dr. ASAWARI SUHAS JADHAV

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Autonomous : No

Programmes Offered in the Department

Sr. No	Programme Name	Branch	Duration		Intake	Eligibility Criteria
			Year	Month		
1	M.Sc.-Master of Science	Environmental Science	2	0	50	B. Sc. Degree in any subject, . B.E./ B. Tech in Chemical Technology/Civil/ Mechanical.
2	PG Diploma-Post Graduate Diploma	Safety, Health & Environment	1	0	50	The students with XIIth Science or Diploma in any branch of Engineering and Technology are eligible.
3	PG Diploma-Post Graduate Diploma	Safety, Health & Environment	1	0	50	B.Sc. /B.E./ B. Tech. No entrance examination. Admission on first come first serve basis
4	PG Diploma-Post Graduate Diploma	Environmental Protection & Management	1	0	30	Graduate from any faculty, No entrance examination Admission on first come first serve basis

Ph.D Offered : Yes

Placement opportunities : Placement opportunities: -Education: Teachers, Lecturers, Assistant Professors in various Higher Secondary Schools, Colleges and Universities. -Research: 1. Junior/Senior Scientist 2. Junior research fellow/Senior research fellow 3. Research associate for different projects - Various Governmental organisations: MPSC/UPSC/ IFS, State Pollution Control Boards, Central Pollution Control Boards, Municipal corporations -Various Nongovernmental Organizations working in wildlife conservation, forest management, environmental protection and CSR activities. - Consultancy Business: 1. Waste Treatment Plant 2. Waste Management & Pollution Control Services 3. Plant Maintenance Service 4. Pollution Control Machines & Devices

5. Carbon Credits and Carbon Footprint
6. Consent form filling
7. Environmental Impact Assessment
8. Environmental Audits
9. Legal compliances of industries
10. Laboratory Analysis of Environmental aspects
11. Social Impact Assessment
12. Soil Air Water Analysis Equipment's production and sale
13. Operation, maintenance, and support for ETP, STP, WTP, RO, DM
14. Designing of ETP, STP, WTP, RO, DM
15. Vermi-compost

- Competitive Examinations: Indian Forest Services / UPSC / MPSC
 - Environmental Jobs: 1. Environmental officer
 2. Environment, Health and Safety officer (with additional Safety Diploma)
 3. Environmental Auditor (With additional auditing courses like ISO 14001, ISO 50000, ISO 45000, etc.)

Salient Features of the Department:

Salient features of the Department

- The Department focuses on Environmental issues and committed to sustainable development
- Through environment education. Thrust areas for research are Water Quality Monitoring, Air pollution monitoring, Environmental Impact Assessment, Wildlife studies and Biodiversity Conservation.
- The department has a centre for air quality monitoring of Kolhapur city under National Ambient Air Quality Monitoring Project (NAMP).
- One month inplant training and environmental project are important part of curriculum.
- Guest lectures, Environmental day celebrations, Industrial visits, Nature visits, Excursion, Tours, Seminars, and social extension activities are conducted routinely by the department

Teaching Staff Information

Sr.No	Faculty Name	Designation
1	Dr. Asawari Suhas Jadhav	
2	Dr. Pallavi Ranjeet Bhosale	
3	Mr. Chetan Shankar Bhosale	
4	Ms. Nirmala Balaso Pokharnikar	

Infrastructure Facilities

Classrooms
Laboratory
Seperate Common Room exclusively for Girls

Conference Hall
Library
Smart Classrooms

Equipments

Sr.No	Equipments Name	Description / Use
1	Atomic absorption Spectrophotometer	Heavy Metal Analysis
2	Flame photometer	Mineral analysis
3	GPS	Location identification
4	Multigas Detection sensors	Air monitoring
5	PM 2.5 and PM 10 Air sampler	Air quality monitoring
6	Photo catalytic Converter	Chemical analysis purpose
7	Sound Level Meter	monitoring noise levels
8	Total Kjeldal's Nitrogen	Total Nitrogen estimation
9	UV Spectrophotometer	chemical analysis of water ,air and soil
10	pH/EC/TDS/Turbidity Meter	Water quality analysis

Other information:

Departmental Consultancy Services for:

1. Monitoring and analysis of Water, Soil, Air, Noise etc.
2. Environmental Impact Assessment
3. Training related to pollution monitoring
4. Conducts the supportive survey for the Baseline data collection
5. Ambient air quality and noise quality monitoring, stack monitoring
6. Conducting a Green Audit of Different institutes required for NAAC.

Department Head Signature