

Department Name: Post Graduate Department of Environmental Science

Eligibility: Any Science Graduate, B.Sc. Horticulture

Syllabus/ Course Content:

1. Research Methodology
2. Energy Resources
3. Ecology and Biodiversity
4. Environmental Microbiology, Toxicology and Biotechnology.
5. Air, Water and Noise Pollution.
6. Solid Waste Management.
7. Remote Sensing, GIS & Computer Application.
8. Environmental Impact Assessment & Environmental Audit.
9. Environmental Engineering and Technology.
10. Environmental Statistics, Policies and Legislation.
11. Industrial Hygiene and Safety.
12. Fire Prevention and Protection.
13. Industrial and Chemical and Process Safety.
14. Environmental Management System

Opportunities: M.Sc. in Environmental Science opens doors to various sectors: -

Role	Description	Employer
Environmental Scientist	Analyzes air, water, and soil samples; recommends ways to reduce pollution.	Government, NGOs, consultancies
Environmental Consultant	Advises companies on environmental regulations and impact assessments.	Private firms, engineering firms
Ecologist	Studies ecosystems and biodiversity, often in the field.	Research institutions, conservation orgs
Climate Scientist	Models and studies climate patterns and effects of global warming.	Universities, UN, think tanks
Environmental Engineer	Designs systems to reduce waste and pollution (e.g., water treatment).	Engineering firms, municipalities
Conservation Biologist	Works to protect endangered species and habitats.	Wildlife orgs, government agencies

Sustainability Specialist	Helps businesses reduce environmental impact and improve sustainability.	Corporations, urban planning
Environmental Policy Analyst	Researches and shapes environmental laws and policies.	Government, NGOs, advocacy groups
Hydrologist	Studies water resources and how to manage them sustainably.	Water management authorities
GIS Specialist	Uses geographic information systems to map and analyze environmental data.	Planning departments, research orgs

Top Career Paths in Environmental Science

Career	What They Do	Where They Work
Teacher, Lecturer	Teaching	Schools, Junior and Senior Colleges
Pollution Control Officer	Field Visit, Industrial Visit for Environmental Analysis.	MPCB, CBCB
Environmental Scientist	Analyze air, water, and soil to protect human and environmental health.	Government, private firms
Ecologist	Study ecosystems and interactions between organisms and the environment.	Conservation orgs, research labs
Environmental Consultant	Help businesses comply with environmental laws and minimize impact.	Consulting firms
Sustainability Specialist	Develop strategies to reduce an organization's environmental footprint.	Corporations, municipalities
Climate Change Analyst	Research climate trends and advise on mitigation policies.	NGOs, governments, UN
Environmental Engineer	Design systems to treat waste, purify water, or reduce emissions.	Engineering firms, public utilities
Wildlife Biologist	Monitor and manage wildlife populations and their habitats.	Parks, wildlife agencies

Hydrologist	Study water cycles and help manage water resources.	Government agencies, research orgs
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Activities:

Some of the cocurricular and extracurricular activities organized by the departments are-

- Seminars
- Guest Lectures
- Wildlife week workshop
- Extracurricular and Social Activities.
- Certificate Course in Instrumentation Techniques
- Research Projects
- Research Paper Writing and publishing
- Internship programme
- Field /Industrial Visit

Success Stories:

Some of our prominent alumni were placed in renowned organizations are listed below

Sr. No.	Name	Organization
1.	Nandkishor Dudhe	Programme Officer, BNHS Mumbai.
2.	Nilesh D. Deshmukh	Environmental Manager, SMS Envocare Ltd. Pune
3.	Gaurav Wankhede	Junior Clark, Jalsampada Vibhag , Amravati.
4.	Swapnil Wathodkar	Assistant Manager Safety, Allianz Manage operations and Sear vices, Pune.
5.	Zahid Ahmed A. Sajid	Production Officer, Kapotex Industries Pvt. Ltd. Sarigam, Gujrat.
6.	Hitesh Majethiya	Environmental Engineer, Katar Design and Consortium and Consultant, Doha Katar UAE.
7.	Rutuja J. Kukade	Lecturer, Hislop Junior College, Nagpur
8.	Rakhi Nimbhorkar	Assistant Chemist, KVK Durgapur, Badnera. Amt,
9.	Shailesh A. Dhore	Chemist, Mahabal Enviro engineer PVT. Ltd. Koradi, Nagpur.
10	Rajlaxmi Deshmukh	ISO Auditor, Fostar consultant, Hamas Tower, Dubai.

11.	Jayant Indurkar	Assistant Manager Safety, ITC Foods Bangaluru, Baramati
12.	Shashank Ywale	EHS Officer, Huosung India Pvt. Ltd. Aurangabad.
13.	Abhijit R. Rithe	Manager, Amravati Division, Agrobased Industry, Nashik
14.	Poonam Harne	Lecturer, Shivaji Junior College, Nandgaon Khandeshwar, Dist. Amravati.
15.	Sonali O. Mishra	Lecturer, BSGD'S Junior College, Malad Mumbai.
16.	Swapnil Gudadhe	Assistant Prof. Khatri Mahavidyalay, Tukum, Chandrapur.