



DEPARTMENT OF ENERGY AND ENVIRONMENTAL SCIENCES

Department Profile

Faculty and Department	Faculty of Life Sciences, Department of Energy and Environmental Sciences		
Dean of Faculty	Dr. Priyanka Siwach		
Chairperson of Department	Dr. Anju		
Courses offered	Name	Intake	Admission procedure
	Ph.D.	-	Entrance test
	M.Sc.	40	Entrance test/merit list

Faculty Members

Sr. No.	Name of Teacher	Designation	Qualification	Contact
1.	Dr. Anju	Associate Professor & Chairperson	Ph.D (JNU), M.Phil, M.Sc., CSIR-NET, UGC-JRF, ASRB-NET (CSIR-SRF)	 anjumalik27@yahoo.com
2.	Dr. Rani Devi	Professor	Ph.D (IIT), M.Tech., M.Sc., UGC-NET, ASRB-NET, (IIT-JRF, CSIR-SRF)	 rani_sahu@yahoo.com

3.	Dr. M.K.Kidwai	Associate Professor	Ph.D. (NBRI-LU), MSc, UGC-NET, ASRB-NET	 <p>kashif357313@yahoo.co.in</p>
4.	Dr. Pawan Kumar	Assistant Professor (Contractual)	Ph.D. (CDLU), M.Tech., M.Sc., GATE, UGC-NET	 <p>pawankumarrose@gmail.com</p>
5.	Dr. Alok Kumar Saran	Assistant Professor (Contractual)	Ph.D. (CDLU), M.Tech., M.Sc., GATE, UGC-JRF	 <p>saran.alok@gamil.com</p>
6.	Dr. Promila Bishnoi	Part Time Teacher	Ph.D. (CDLU), M.Phil., UGC-NET	 <p>promilabishnoi@gmail.com</p>
7.	Mr. Shekhar	Part Time Teacher	M.Sc., ICAR-NET	

About Department

The department of Energy and Environmental Sciences was established in 2003 to cater to the needs of students in this academically backward region of the country. The Department of Energy and Environmental Sciences is an important interdisciplinary faculty in the University, aims at developing as a **Centre of Excellence** on issues pertaining to the relevant spheres securing sustainable development of the country emphasising on improved environmental management and better health through imparting postgraduate education and research. The department is having well experienced faculty members trained in international laboratories of repute field of specialization. The faculty members are engaged in extensive research in the frontier areas of environmental sciences such as integrated environmental management, water-energy-waste resources management, trace elemental speciation, environmental risk assessment, environmental remediation, monitoring and management of water, air, soil system, environmental toxicology, environmental microbiology, etc..

VISION

To strive for excellence in the realization of a vibrant and inclusive society through knowledge creation and dissemination in the field of Environmental Science.

MISSION

- Contribute to environmental sustainability and wise use of natural resources for the benefit of society through education, research, outreach and networking on the environment
- Impart quality education and promote scientific temper.
- Blend the theoretical knowledge with practical skills.
- Pursue academic excellence through quality teaching, research and publications.
- Hasten the process of creation of knowledge society in remote and educationally backward region of the country.

MAJOR RESEARCH PROJECT

“Wetland Ecosystem-A case study of Bhindawas wetland for its ecological risk assessment and restoration by using effective microorganism” funded (Rs. 11,38,800/-) by UGC. The project investigator was Dr. Rani Devi and the project was completed in December 2015.

RESEARCH ACHIEVEMENTS

Ph.D. Degree awarded till date = **12**

Ph.D. pursuing = **05**

FACILITIES AVAILABLE IN THE DEPARTMENT

1. Atomic Absorption Spectrometer (AAS)
2. Double Beam U.V. Spectrometer
3. Single Beam, U.V. Spectrometer
4. Flame Photometer
5. Cooling centrifuge
6. Electronic Balance
7. High Volume Dust Sampler
8. Tri-focal microscope
9. Laminar Flow Chamber (Horizontal)
10. BOD Incubator (Temp/Humidity/Light) Controlled
11. D.O. Meter
12. Turbidity meter
13. Autoclave (Vertical)
14. Hot air oven
15. Colony Counter
16. pH/Ion Meter
17. E.C./TDS Meter
18. Portable Water Testing, Kit
19. Hot Plate
20. Hot Plate with Stirrer
21. Double Distillation Units

22. Kjeldhal digestion Units
23. Rotatory shakers
24. Microwave Oven
25. Sound level meter
26. Vacuum Pump
27. Shaker (Kahn Type)
28. COD Digestion Unit
29. Water Bath
30. Sunshine Recorder
31. Refrigerators
32. Air Conditioned Research Labs with LAN/Wifi Internet Connectivity.
 - (i) Environmental Management Lab (206)
 - (ii) Environmental Analytical Chemistry Lab (210)
 - (iii) Environmental Microbiology and Toxicology Lab (211-a)
 - (iv) Common Instrument Lab