



**AKS University**  
**SATNA**



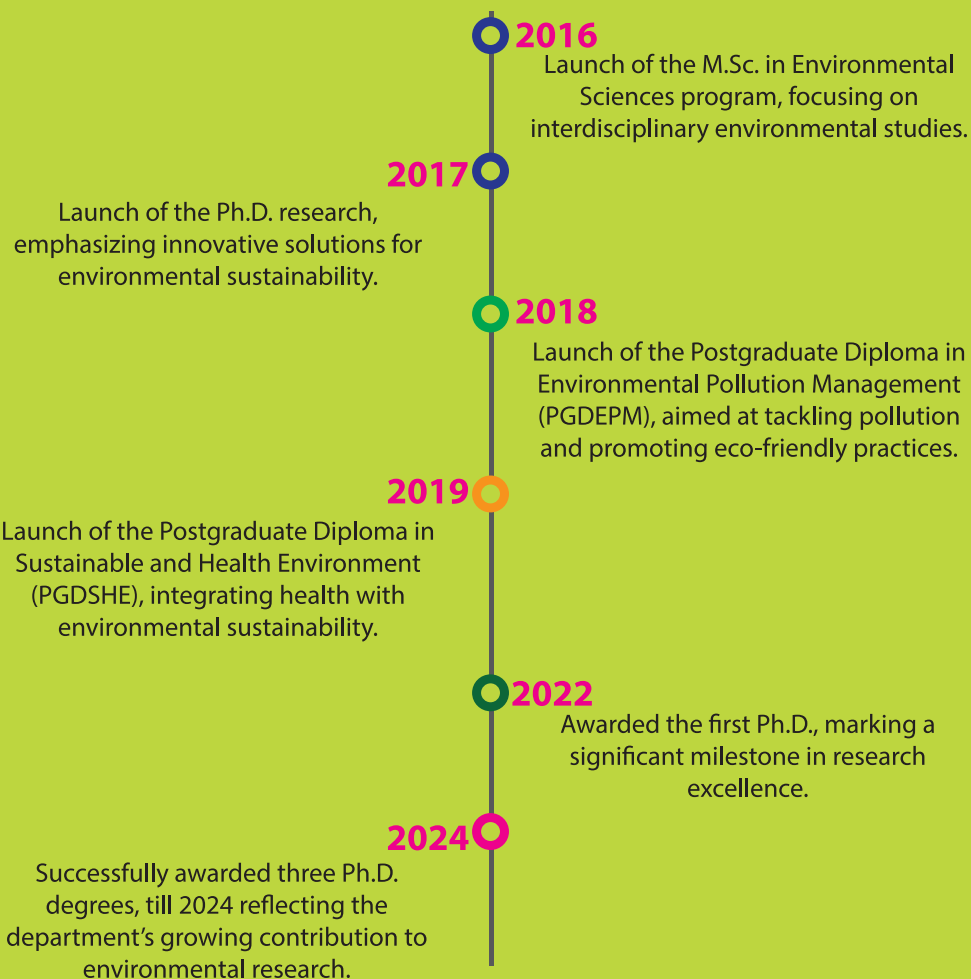
**BROCHURE**  
**2025**

**DEPARTMENT OF**  
**ENVIRONMENTAL SCIENCE**  
Faculty of Life Science & Technology

# ABOUT DEPARTMENT

The Department of Environmental Sciences is established in 2012 that committed to fostering environmental knowledge, promoting high-quality education, and conducting cutting-edge research. The department actively engages in addressing local environmental challenges, raising environmental awareness, and promoting sustainable practices, with a special focus on rural development.

## Achieving milestone by implementing NEP-2020



# VISION



- The Department of Environmental Science committed to develop as a cutting-edge advance center for interdisciplinary education and research. The department program will provide transformative and novel research on challenging environmental issues through education, collaboration and engagement.

# MISSION



- Human resource development to tackle environmental challenges and to achieve sustainability.
- Promote cost effective technologies for agriculture and industries for nation building quality teaching and knowledge on current environmental issues.
- Impart environmental awareness and education for healthy, pollution free and habitable environment.





# From the Desk of Head of Department

Welcome to the Department of Environmental Sciences at AKS University! Since our establishment in 2012, we have been dedicated to fostering environmental knowledge, promoting high-quality education, and advancing innovative research. Our mission is to address pressing environmental challenges while promoting sustainable solutions that benefit both society and the planet. With a special focus on rural development, we aim to create awareness and develop technologies that contribute to a cleaner, healthier, and more sustainable future.

Over the years, our department has achieved significant academic milestones that reflect our commitment to excellence. In 2016, we launched the M.Sc. in Environmental Sciences program, providing an interdisciplinary approach to environmental studies. Recognizing the importance of research, we introduced the Ph.D. program in 2017, focusing on innovative solutions for environmental sustainability. To further broaden our academic offerings, we introduced specialized diploma programs—Post Graduate Diploma in Environmental Pollution Management (PGDEPM) in 2018, aimed at tackling pollution, and Post Graduate Diploma in Safety, Health & Environment (PGDSHE) in 2018, integrating health with environmental sustainability.

A proud milestone in our journey came in 2022, when we awarded our first Ph.D. degree, marking a new chapter in research excellence. By 2024, we successfully awarded three Ph.D. degrees, reflecting our growing contribution to environmental research and the development of future environmental leaders. These achievements highlight our department's commitment to providing a robust academic foundation while addressing real-world environmental concerns.

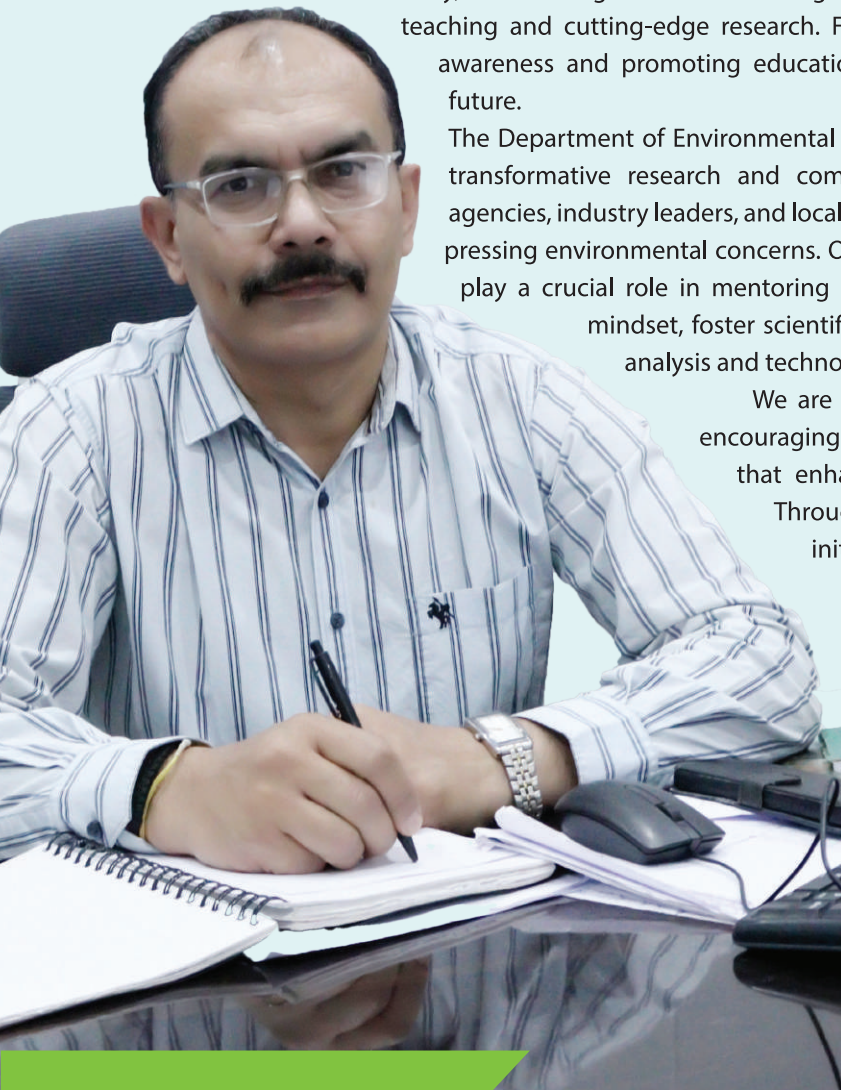
Our mission is to be a leading center for interdisciplinary education and research, developing human resources to tackle environmental challenges through innovation and collaboration. We aim to promote cost-effective technologies for agriculture and industry, contributing to nation-building and addressing current environmental issues through quality teaching and cutting-edge research. Furthermore, we are committed to fostering environmental awareness and promoting education that supports a healthy, pollution-free, and sustainable future.

The Department of Environmental Sciences is more than an academic institution; it is a hub for transformative research and community engagement. We work closely with government agencies, industry leaders, and local communities to implement sustainable practices and address pressing environmental concerns. Our faculty members, who are dedicated and highly qualified, play a crucial role in mentoring and guiding students. They encourage a research-oriented mindset, foster scientific curiosity, and provide hands-on training in environmental analysis and technology.

We are committed to the holistic development of our students by encouraging participation in co-curricular and extra-curricular activities that enhance leadership skills, teamwork, and social responsibility.

Through our comprehensive academic programs and research initiatives, we aim to equip students with the knowledge, ethical values, and scientific expertise needed to excel as environmental professionals, researchers, and responsible citizens.

As the Head of the Department, I am proud of the achievements of our faculty, researchers, and students who work tirelessly toward the common goal of environmental sustainability. I invite you to join us on this journey, where education meets innovation, and together, we contribute to a better and more sustainable world.



# Faculty at a Glance



**Dr. Mahendra Kumar Tiwari**  
(Professor & Head)  
M.Sc., Ph.D., SLET, PGDHSE



**Dr. R L S Sikarwar**  
(Professor)  
M.Sc., M.Phil., Ph.D., F.E.S., F.B.S.,  
F.A.P.T., F.I.A.T., F.S.L.Sc.



**Dr. Prabhat Kumar Chauhan**  
(Assistant Professor)  
M.Sc., Ph.D.



**Mr. Bhupendra Singh**  
(Assistant Professor)  
M.Sc., M.Phil



**Mrs. Suman Patel**  
(Assistant Professor)  
M.Sc., M.Phil.

## Program Offered

|   |                                      |
|---|--------------------------------------|
| M.Sc. Environmental Science               | 2 Yrs.                               |
| Ph.D. Environmental Science               | 3 Yrs. (as per university ordinance) |
| PG Diploma in Safety Health & Environment | 1 Yr.                                |
| PG Diploma in Environment Pollution Mgmt. | 1 Yr.                                |

## Faculty Achievements

| Description   | Details |
|---|---------|
| Research Projects   | 31      |
| Research Papers Published   | 15      |
| Edited Books and Book Chapters  | 17      |
| Patents   | 01      |
| Awards and recognitions   | 07      |
| Conference and workshops participated   | 20      |
| Invited talks in International and National Conferences                       | 20      |
| Session Chairs, Moderators, Coordinators in National and International events | 05      |
| National and International Conferences organized                              | 09      |
| Webinar International/National/quiz   | 08      |





# Departmental Activities

## Environmental Activities Conduction



## Zero Carbon Emission Awareness



## Social Awareness Through Lecture



## DEPARTMENT OF ENVIRONMENTAL SCIENCE

## Environmental Awareness Activities



## Green Campus Development



## Green Campus Development



## Environmental Awareness Activities



## Research Publications

### BOOKS

17

### RESEARCH ARTICLES

14

### INVITED LECTURE

10

### Projects

31

### AWARDS

05



# Media

## Spotlights



## Student Achievements

| Description  | Details |
|--|---------|
| Number of students placed                                  | 45      |
| Students attended skill development programs               | 02      |
| Students visited industries and academic institutions      | 02      |
| Students attended prominent research labs as trainee       | 06      |
| Students attended prominent industry as trainee and intern | 04      |

## Scholars Achievements

| Description                        | Details |
|------------------------------------|---------|
| Conferences and workshops attended | 06      |
| Best Paper Awards (Oral)           | 02      |
| Best Paper Awards (Poster)         | 02      |
| Paper Published                    | 05      |
| Book Chapters                      | 04      |

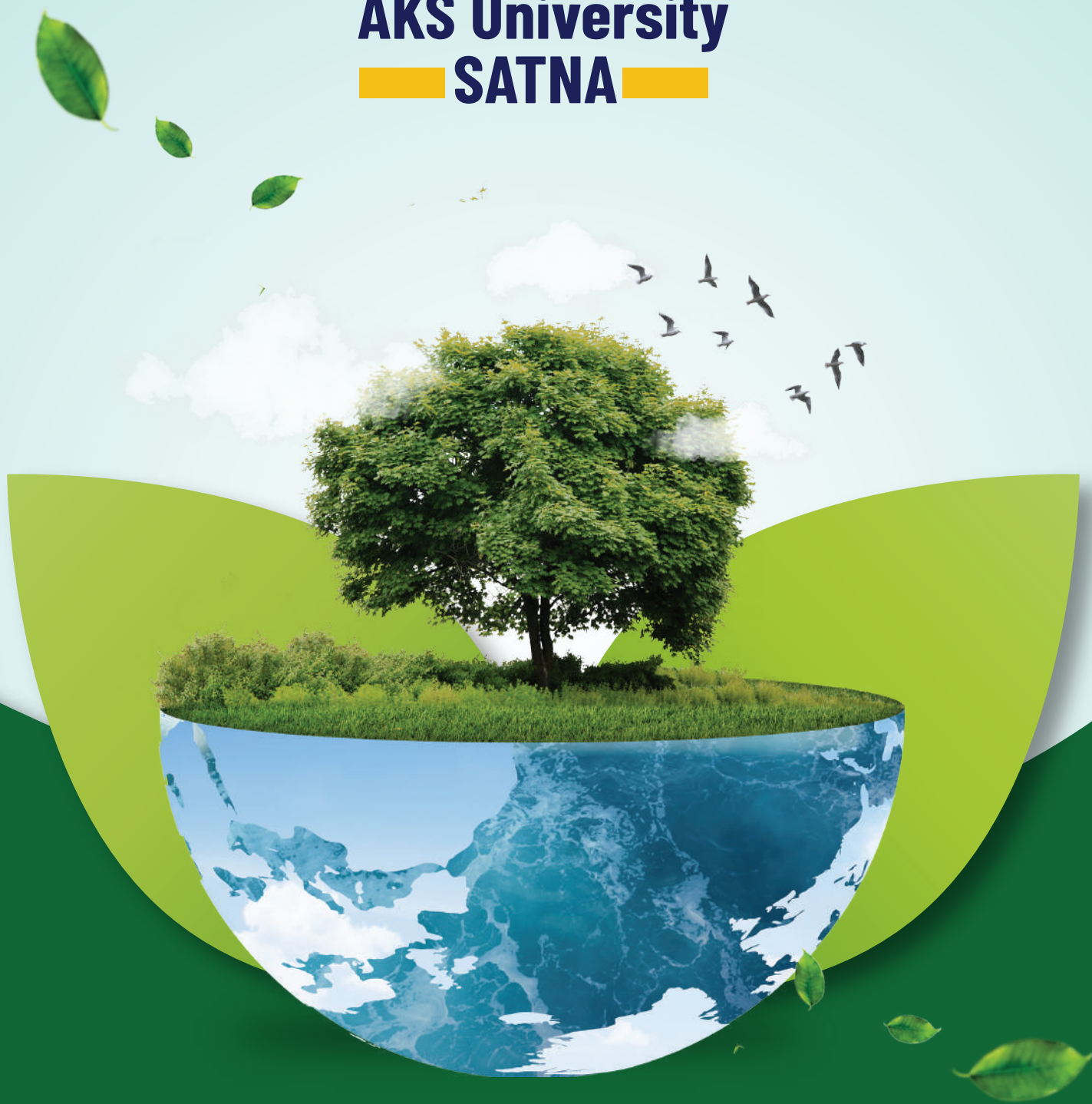






# AKS University

## SATNA



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