

**DEPARTMENT OF ENVIRONMENTAL
SCIENCE & POLICY**

- 1. Research Vision developed in line with the Lahore School's Vision/Mission**
 - a. To carry out research to make Pakistan a pioneer and assist the international community in finding sustainable and equitable solutions in the field of environmental sciences
- 2. Research Mission developed in line with the Lahore School's Vision/Mission**
 - a. To carry out research to solve environmental problems at the national and international level
- 3. Research Objectives**
 - a. To conduct pure and applied research in the field of environmental sciences for advancement of science as well as for solving the problems
 - b. Collaborate with national and international institutions in order to create synergy
- 4. Department/Institute/ Centre Five Year Research Plan 2026/31 developed in line with the Lahore School's Vision/Mission**

The Department aims to strengthen its research capacity and contribute to national and global environmental challenges through the following strategic priorities:

1. Establish and upgrade laboratory facilities, and acquire advanced software to support high-quality research activities within the department.
2. Undertake research in Environmental Impact Assessment (EIA), environmental practices, and environmental legislation to support evidence-based policymaking.
3. Promote research in emerging fields such as membrane technology, evolutionary biology and climate change using GIS and remote sensing.
4. Conduct research on biodiversity conservation, ecosystem services, and forest fire dynamics at both national and international levels.
5. Examine the impacts of climate change on threatened plant and animal species in Pakistan, while contributing to global research efforts.
6. Investigate key environmental issues including water quality, air pollution, urban heat island effects, and occupational health and safety.
7. Explore the environmental dimensions of food systems and their implications for public health and nutrition transitions.