

K.S. Institute of Research and Training

(Affiliated to : The Academy of Environmental Biology
Registered Under Societies Registration Act, XXI of 1860)
2/331 Vibhav Khand, Gomtinagar, Lucknow - 226010



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This Institute is affiliated with The Academy of Environmental Biology, Lucknow. The Academy was established in 1978. its memorandum and the Constitution registered under Societies Registration Act 21, 1860, is an autonomous organization open to everyone who has a scientific, technological, practical interest and inclination in the field of Science and Technology, Environmental Pollution, Occupational Health and Toxicology. It is basically a forum where scientist and young researchers effectively interact and co-operate once in a year in an effort to review and update their research, to explore research priorities, to prevent further deterioration of environment and to provide inputs to the Governmental Agencies for the safe guard of the ecosystem and the health of mankind.

Mandate of Institution

To identify occupational health hazards due to chemicals in industries, mines, agricultural fields and general environment by undertaking health and environmental surveys.

To determine the mode of action of toxic chemicals/pollutants.

To develop simple/rapid diagnostic tests for disorders caused by industrial and environmental chemicals.

To collect, store and disseminate information of toxic chemicals.

To develop human resource for dealing with industrial and environmental problems.

To conduct safety evaluation of chemicals used in industry, agriculture and everyday life.

Institute has also developed infrastructure for R and D activities and training courses in the following areas :

1. Environmental Monitoring and Impact Assessment
2. Air, Water, Soil and noise quality management
3. Ecotoxicological Studies and Risk Assessment
4. Toxicity Evaluation of Chemicals and Natural products
5. Solid Waste Management
6. Global warming and Biodiversity
7. Molecular techniques and microbiological studies

Certificate course has been expedited and more courses are to be developed to cater the needs of youth in the coming areas :

1. Environmental Quality : Monitoring and Management
2. Environmental Biotechnology and its Application in the field
3. Guidelines in Corporate Social Responsibility.

Recently the Institute has prepared a documentary film on "Ecological Decline of Natural Resources" and started to play **Nukkar Natak** entitled **Pani re Pani tera Rang Kaisa**.

Guest faculty from following institutions :

1. IITR, Lucknow
2. CDRI, Lucknow
3. NBRI, Lucknow
4. Biotech park, Lucknow
5. NBFGR, Lucknow
6. RSAC, Lucknow
7. U. P. Jal Nigam
8. U.P. Pollution Control Board

CERTIFICATE COURSE IN Environmental Quality : Monitoring and Management SEVEN DAYS Title of the Lectures

1. Environmental Quality, Methods of Monitoring and Assessment.
2. Contamination of Water Associated with Human Health: Standards and Mitigation
3. Environmental Monitoring of Ambient Air, Water, Soil and Noise - A Case Study
4. Physico-Chemical and Microbiological Quality of Soil, Water and Air In Relation to Health
5. Fresh Water Fishes Induced by Environmental Stress
6. Microbiological Quality of Food and Water In Relation to Health
7. Global Warming Associated with Climate Change and Its Impact on Flora and Fauna
8. Techniques/ Steps Involved in Environmental Settings. Simulation and Modeling
9. Reporting of EIA and Clearances for Developing Projects -Merits and Demerits
10. Pesticide Contamination in Water and Soil -A Case Study
11. Microbiological aspects of food and water.

Title of Practicals/Field Studies

1. Physicochemical testing of Water
2. Physicochemical testing of Soil
3. Monitoring of Air Quality and Noise
4. Identification of Sites and it's morphometry Using Remote Sensing Techniques (GPS)
5. Microbiological Techniques for food and water.
6. Modern Techniques viz Light Microscopy, Electron Microscopy, SDS PAGE, PCR , Atomic Absorption, Spectrophotometry .

About K.S. Institute of Research and Training

K S Institute of Research and Training was established in the year 2012, September, 23rd, 2012 is an independent, multidisciplinary Research and training Institute conducting Research and Development in the following areas.

1. Life Sciences
2. Environmental Management and Biodiversity
3. Environmental Toxicology
4. Environmental Biotechnology
5. Safety and Management
6. Microbiology
7. Nanotechnology