

Analytical Toxicology

Industrialization and urbanization have drastically changed the chemical milieu of our environment. The consequences are manifold on human health. Accordingly, there is a need for chemical fingerprinting as well as identification of the level at which these are present in different environmental, food and biological matrices. Analytical toxicology helps in detection, identification and measurement of foreign compounds (xenobiotics) in biological and environmental matrices. A few examples include determination of the levels of potential toxicants in environmental matrices such as air, water, soil, or in food matrices or screening of xenobiotics/drugs/new chemical entities and their metabolites in biological matrices (blood/urine/saliva/hair/tissues) from animal/human studies. At present, there is a high demand for skilled workforce in the area of analytical toxicology in several industries.



COORDINATOR

Dr. Anju Srivastava
Dr. Reena Jain

CO-COORDINATOR

Dr. Sudershan Kumar

COLLABORATOR

CSIR-IITR, Lucknow

DURATION

30
HOURS

ELIGIBILITY

Students with Science
background (10+2)
Undergraduate Students
pursuing Science Courses

SEATS

40