

## Editorial on Environmental Toxicology

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### EDITORIAL

Toxicology is the study of death-dealing harmful substances. Toxicity examining permits us to spot the toxicity of chemicals we use and provides information about the potency of their effects. Also as being faithful for industrial chemicals, this is often also faith of pharmaceuticals and therefore the natural products formed by plants, bacteria and fungi. Signifying anyhow a chemical can cause cancer, allergies or abnormalities in unborn children is vital to human health, and therefore the process of discovering this information is understood as assessment of hazard. This process is different from assessing risk which controls whether it's likely to truly cause problem during a given situation.

Environmental toxicology may be an interdisciplinary field of science bothered with the study of the harmful effects of varied chemical, biological and physical agents on living organisms. Ecotoxicology may be a sub discipline of environmental toxicology bothered with studying the harmful effects of toxicants at the population and ecosystem levels. Organisms are often exposed to distinct sorts of toxicants at any life cycle stage, a number of which are more sensitive than others. Toxicity can also vary with the organism's placement within its food web. Bioaccumulation occurs when an organism cache toxicants in fatty tissues, which

can eventually establish a trophic cascade and therefore the bio magnification of specific toxicants. The results of a chemical or other substance at various applications on various species.

The clinical effects of environmental toxicants on living organisms through collecting and evaluating and identifying the scientific data and therefore the ways of recognition and diagnosis. Human and health toxicology explains about the adverse effects caused to the body by xenobiotic substances. Xenobiotic substance contains an enormous range of disciplines like Organ systems toxicity, lung toxicology etc. Various pharmaceutical drugs which effect drastic poisonings, emergencies like accidental poisoning; suicidal attempts are studied under human toxicology. Several analytical toxicological principles are implemented during these techniques like gas chromatography, high performance liquid chromatography, and thin layer chromatography different sorts of extractions are employed for these studies. Health Toxicology deals with the identification of potential health hazards associated with the exposure to different chemicals and biological agents, their identification, assessment and steps to curtail them. It's the toxicological science which deals with the structure function relationship, human and health ways of the chemicals like PCBs etc. Other draw up elements in human nutrition and health also are evaluated.

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