

Impacts of Pollution on Environment

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Editor note

Industrial revolution, establishment of factories and consumption of immense quantities of petro based raw materials and overall discharge of huge quantities of untreated chemicals and wastes into the local river streams and waste lands cause atmospheric and lithospheric pollution and irreparable damage to the biosphere. The industrial chimneys discharge harmful gases such as carbon monoxide, chlorofluorocarbons (CFCs), nitrogen oxides, sulfur dioxide, particulate matter, or fine dust etc., which are the chief contributors of air pollution. Population explosion at a global scale, increased use of fossil fuels in thermal power plants, use of radioactive elements in nuclear power plants, overuse of chemical fertilizers and pesticides lead to noise pollution, radioactive contamination, soil contamination and thermal pollution. There is an urgent need to address these problems at a critical level in order to develop efficient combat measures against them.

Journal of Pollution Effects & Control is an international open access journal that publishes scientific articles regarding various aspects of industrial pollution, environmental toxicology, bioremediation, public health, toxicogenomics, etc. The articles published in volume 4, issue 2 of the journal, rightfully highlighted the causes and effects of various kinds of pollutions as well as the health complications and toxic effects of various pollutants.

The article by Bakare et al. showcased the toxic impacts of Titanium dioxide nano particles on testicular tissue architecture and the resultant testicular lesions [1]. The article presented by Orata et al., depicts the effects of bio-concentration of heavy metals in fishes caught from waste water lagoons. The article emphasizes on the application of similar eco-toxicological studies as useful tools for the prediction of repercussions associated with heavy metal exposure in human beings [2].

The research article by Bii et al., reports the heavy metal bio-remediation potential of unmodified mushrooms. The authors suggested that mushrooms are highly capable in contributing to the bio-remediation of metal polluted waters [3]. The article presented by Habib et al., represents the impacts of different harvesting techniques on the macrophyte-associated-invertebrate community populations in

an urban lake. The article also suggests methods for controlling the uncontrolled growth of macrophytes to restore the ecological balance of water bodies [4].

The article by Eludoyin talks about the common human perceptions on noise pollution in medium-sized settlements [5]. The review article by Ogunola, et al., presents a thorough review on the recent statistics, methods, impacts and solutions regarding microplastics in marine environment [6]. Erick et al. estimated polycyclic aromatic hydrocarbons levels in untreated water of Ngong River of Kenya and studied the Physico-chemical properties of the compounds. Ghorab et al., briefly described about possible impacts of pesticide pollution on environment and living beings [8].

The published articles were extensively reviewed by the subject experts prior to publication. Reviewers played an important role in maintaining the quality of the articles, by giving their valuable suggestions of modifications in the manuscripts.

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