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Implications of Soil Pollution on Human Health and Environment

Parker Henry*
Department of Civil and Environmental Engineering, Standford University, US

Commentary

Soil pollution will have variety of harmful effects on ecosystems and human, plants and animal health. Soil pollution also can cause fasciculus blockage in addition as depression of the central system, headache nausea, fatigue, eye irritation and efflorescence. Some of the direct impacts of soil pollution will be seen in agricultural production system like loss/decline in soil productivity and loss in crop diversity. Pollution of soil and water drastically has calculable to scale back the crop yields by concerning 15-25% over the years and total cropped space has decreased considerably [1].

Soil includes a respectable result on human health, whether or not those effects square measure positive or negative, direct or indirect. Soil is a crucial supply of nutrients in our food provide and medicines like antibiotics. There are |also square measure are several locations wherever numerous components or chemical compounds are found in soil at venomous levels, owing to either natural conditions or phylogenesis activities [2]. The soil of urban environments has received increased attention within the previous few years, and that they too cause variety of human health queries and challenges. A supply of any component might lead to human toxicity, even components that area unit essential for all times. For Associate in essential component there's an optimum vary of concentration in humans, falling below this optimum vary ends up in deficiency, whereas, concentrations higher than the optimum vary produce toxicity.

Thus, the extent of any essential component in humans is deficient, adequate or harmful relying upon the concentrations of those components within the soil and also the degree of exposure each deficiency and toxicity may result in morbidity and in some cases mortality. The artificial organic compounds are very resistant to biological decay and are sometimes markedly venomous to organisms even at extraordinarily tiny doses. Soil contamination with organic chemicals may be a significant issue altogether nations.

Antibiotic resistance continues to be a significant concern in communicable disease management owing to the massive increase in antibiotic resistant bacterium that's being seen worldwide the artificial organic compounds are very resistant to biological decay and are sometimes markedly venomous to organisms even at extraordinarily tiny doses. Pollution with organic chemicals isn't restricted to farming areas. Soil in urban areas is additionally impure with organic chemicals from medicines, industrial activities, coal burning, motorcar emissions, waste combustion, waste material and deposition of solid wastes [3].

Antibiotic resistance by definition happens once associate degree antibiotic now not effectively controls or kills microorganism growth an increase within the minimum restrictive concentration. So the bacterium is same to be proof against the antibiotic and are tough or not possible to treat. Soil is very important to human health. Effects will be positive or negative, direct or indirect.

References

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***Corresponding author:** Parker Henry, Department of Civil and Environmental Engineering, Standford University, US

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