



Impact of Cement Dust on Physico-chemical Properties of Soils around a Cement Factory in Bagalkot, Karnataka, India

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Authors' contributions

This work was carried out in collaboration between both authors. Both authors read and approved the final manuscript.

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ABSTRACT

Aims: To study the physicochemical properties of soil around the cement factory, to examine the effect of the industrial dust on the soil properties and to analyse the relation between the proportion of pollutants and the distance from the cement factory.

Study Design: Were used to analyse the relationship between soil samples at four different locations within the study area. Statistical methods such as; percentage, graph and Pearson correlation method.

Place and Duration of Study: For this study soil samples were collected around J k cement factory near Muddhapura of Mudhol Taluk of Bagalkot district in the pre monsoon period at four directions. Samples were analysed using titrant method, flame photometer method, oslen method to determine physicochemical properties. Pearson correlation method was used to analyse the relation between concentration of different elements in the soil samples and distances in four directions.

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