

Geo-Environmental Issues of the New Millennium

**Sustainable
Planning
Perspectives**

Editor in Chief

Smt. Madhumita Basu

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Dr. Rupam Kumar Dutta

Dr. Deepa Bhattacharyya

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SUSTAINABLE PLANNING PERSPECTIVE*

A Collection of Articles

Edited by Madhumita Basu

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Comparative Assessment of the Status of Air Pollution in Krishnagar and Kalyani Municipality

Samapti Barai & Biraj Kanti Mondal

Introduction

Air pollution is one of the fastest growing severe catastrophic events which are able to affect the environment and its surroundings in diverse ways and we are facing it very adversely. It is fact that three basic elements air, water and land which constitute harmony of nature for proper and balance living of all organisms, it was fortunate enough that such hospitable and balance environment was the destiny of our predecessors. But it is contrary to living of the present environment with the rapid growth of population, urbanization, industrialization, commercialization, consumerism, fast changing life style, development etc. have all deteriorated the ecological balance day by day and now it went beyond its sustainable limit. Air pollution may be defined as any atmospheric condition in which certain substances are present in such concentration that they can produce undesirable effect on man and his environment (Rana, 2007). These substances include gases (Sulphur oxide, nitrogen oxides, carbon monoxide, hydrocarbon etc.), Particulate matters (smoke, dust, fumes and aerosols), radioactive materials and many others. It creates the disequilibria condition of the air caused due to introduction of foreign elements from natural and anthropogenic sources. The present study focused on the status of air pollution of