



Environment and Sustainable Development

Problems, Prospects and Mitigation

(ESDPPM)

Edited by

Dr. Debabrata Das

Dr. Pampi Ghosh

Dr. G. Maheswari

 Bharti

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Cyclone: An Overview

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ABSTRACT

Cyclones are natural calamities that strike as violent storms and deplorable weather conditions caused by disturbances in the atmosphere. They lead to great devastations threatening livelihood. The consequences of tropical cyclones are Storm surges, floods, high winds, inundation, erosion, etc., loss of life, casualties, and damages to the properties, causing socio-economic loss. This chapter deals with cyclones, their classification, occurrence, hazards and mitigation measures by government and community people.

Keywords: Cyclone, Hazards, Occurrence, Mitigation

INTRODUCTION

A cyclone is a massive robust wind system that blows around the center of intense low pressure. They are known as cyclones in the Indian Ocean and South Pacific Ocean, but in the Northwest Pacific Ocean, as typhoons, and in the Northeast Pacific Ocean and North Atlantic, as hurricanes. Since they originate in the tropical region,



Environment is the totality of our surroundings. It includes living and nonliving components of nature. All round holistic development of nature and environment is 'sustainable development'. It was emphasized by the UN Conference on Environment and Development (UNCED) which defined it as: 'Development that meets the needs of the present generation without compromising the ability of the future generation to meet their own needs'. Environmental sustainability is important because of how much energy, food and human-made resources we use every day. Rapid population growth and use of resources

- has resulted in a polluted environment, leading to more greenhouse gas emissions, unsustainable energy use, and deforestation and even malpractice that cause social pollution. So, need to identify the problems, highlight the prospects and finally mitigate the issues for a better healthy environment. As the environment performs our crucial functions, every citizen should know the situation and promptly work for a green, clean and healthy environment. The book, 'ESDPPM' highlights some basic information to know the present scenario of the environment.

About the Editors



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