



Environment and Sustainable Development

Problems, Prospects and Mitigation

(ESDPPM)

Edited by

Dr. Debabrata Das

Dr. Pampi Ghosh

Dr. G. Maheswari

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Phytotherapeutical Wealth of *Catharanthus roseus*: A Review

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ABSTRACT

Indian plants do support medicinal properties throughout history. Native traditional practices have used the herbal medicinal plants that paved the way as a remedy for innumerable disorders and illnesses. One of the most versatile herbs is *Catharanthus roseus* (*C. roseus*) native to Madagascar, which is used for its medicinal potency all over the world even though grown as an ornamental. Significance of this plant has been enhanced in recent years, initially from its recognition as a preventive agent for diabetes, wound healing and cancer. Interest in this plant has been attained through the studies which reported that it has bioactive compounds promoting antimicrobial, antioxidant, hepatoprotective and additionally as a biostimulant for plants.



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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