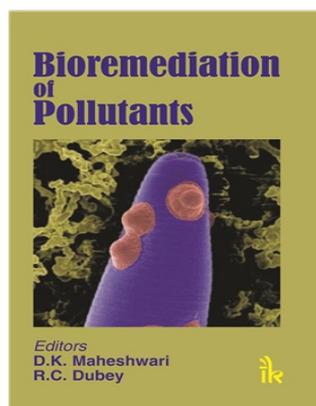


Bioremediation of Pollutants , 1/e

D.K. Maheshwari & R C Dubey



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About the Book

The dramatic worldwide increase in the rate of human population has created severe environmental problems. Soil and ground water reservoirs have been polluted with pesticides, xenobiotics, agrochemicals, etc. The global consensus to eradicate inputs of toxic pollutants, which are perceived as being hazardous by consumers, have provided opportunities for the development of novel and benign sustainable environmental management strategies through exploitation of microorganisms.

The future of next generation depends upon our ability to enhance resources without causing damage to environment. One of the strategies is the application of effective microorganisms which are beneficial to both ecosystem and farmers. The book contains seventeen chapters on various aspects of environmental microbiology and biotechnology. The chapters are devoted to abatement of pollutants generated by agriculturally contaminated soil, plastic waste from various industries.

Some chapters are devoted to rhizobacteria because they are rich in rhizospheric soil and acts as source of nitrogen, phosphorus, phytohormones, enzymes, etc. They are commercialized in the market and have proved to be highly active even in soil polluted with chemicals. This book will certainly help the readers who have interest in the field of environment, microbiology, industrial engineering, biotechnology, botany, agricultural sciences and business and economics. This book deals with role of microbes as bio-resource or as a tool for industries.

Salient Features

- ▶ Compilation of 17 articles, it deals with the developments in the field of environmental microbiology and their emergence in the industry.
- ▶ Each article gives a systematic treatment of the subject with an introduction and a conclusion.
- ▶ Contributed by 42 eminent scientists and researchers.

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