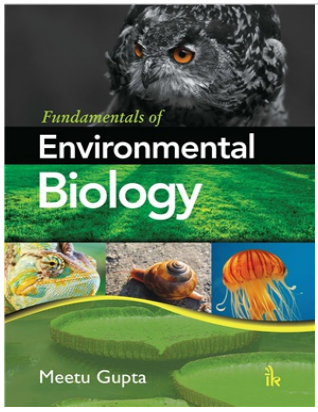
Book Information Sheet



Fundamentals of Environmental Biology

Meetu Gupta

2018 | 240 pp | Paperback | ISBN: 9789385909870 | Price: 295.00

About the Book

Fundamentals of Environmental Biology has been conceived to bring different aspects of environmental biology under one head. The purpose of this book is to fill the gap between basic books of ecology or environmental science and advanced environmental biotechnology in an appropriate manner. Divided in two parts, the book contains fourteen chapters. First part deals with the topics related with ecology and environmental sciences and second part deals with environmental biotechnology aspects.

It will help the students of botany, zoology, biotechnology, and environmental sciences or engineering, as environmental biology is a multidisciplinary subject and involves various issues like ecological issues, global environmental problems, socio-economic scenario along with modern fields such as molecular ecology, etc. Although the book is primarily designed for undergraduate and postgraduate students, it also provides information in a precise way to the teachers, researchers and also to the people working in NGOs related to environmental aspects or problems.

Salient Features

Multidisciplinary approach including case studies.
Modern biotechnological and ecological approaches apart from traditional one
Dedicated coverage of ';statistical ecology', ';green technology '; and ';molecular ecology'.
Profusely illustrated with flowcharts and diagrams and has a lot of practice materials.
PowerPoint slides are provided for teachers as well as students.

Table of Contents

Ecosystem: structure and function
Population and community ecology
Soil dynamics
System concepts in ecology
Statistical ecology
Environmental act and rule
Environmental pollution and monitoring
Sewage treatment
Bioremediation
Biofuels
Molecular ecology
Green technology
Biodiversity
Case studies

About the Author

Meetu Gupta :- Assistant Professor, Jamia Millia Islamia, New Delhi, obtained her PhD from National Botanical Research Institute, Lucknow in 1996. Dr. Gupta has more than 20 years of research experience in the area of ecotoxicology/ ecotoxicogenomics. Since last 10 years she has been teaching undergraduate and postgraduate students at the Department of Biotechnology, JMI. She has been awarded guest research fellowship at University of Wuerzburg, Germany. She also has been a recipient of DST-fast track Young Scientist, CSIR -Pool Officer and has published various research papers in international journals.