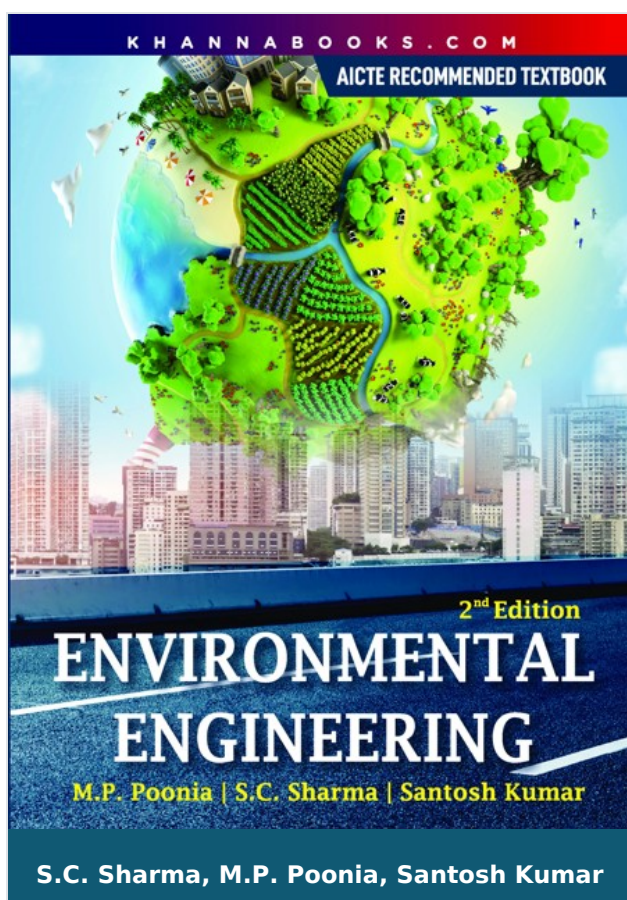




Environmental Engineering

Author : S.C. Sharma, M.P. Poonia, Santosh Kumar

ISBN 13 : 978-93-90779-07-9

ISBN 10 : 9390779073

E-ISBN 13 : 978-93-90779-07-9

Edition : Second

Pages : 500

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 499.00

Categories : [Environmental Engineering](#),
[Environmental Engineering, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

This book covers the syllabi of "Environmental Engineering" and "Public Health Engineering" of various Indian Universities. The book is recommended in AICTE model curriculum. The book has been divided in 3 parts; namely; Water Supply Engineering; Sewage Engineering Air Pollution Engineering.

The book is useful for Degree as well as Diploma students and is also likely to be useful for practising engineers in this field.

Table Of Contents

- Environmental Engineering

Author

S.C. Sharma

S.C. Sharma after graduation in 1966 joined as lecturer in Mechanical Engineering. He had been associated for more than 4 decades in various fields including learning and management of projects in India and abroad in different capacities. While working Hydro power projects for more than 15 years he has actively associated with various environmental and rehabilitation & resettlement issues and successfully resolved various complicated issues. He has also worked as consultant for matters related to safety, environment and R & R. He has written about a dozen books on subjects related to engineering and management including management of projects.

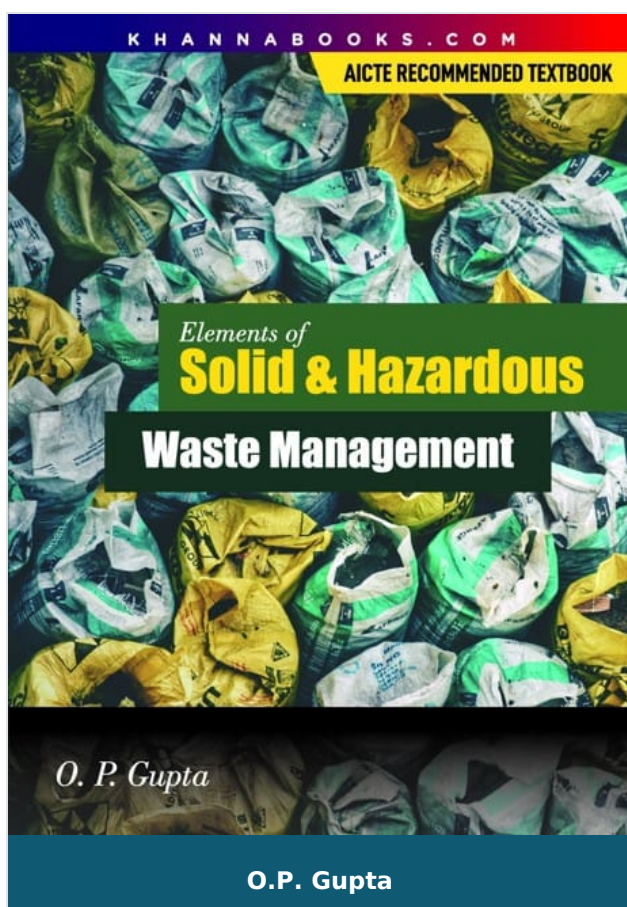
M.P. Poonia

Dr. M.P. Poonia is presently serving as Vice Chairman, All India Council for Technical Education (AICTE). Prior to this, he remained as Director, National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh. Dr. Poonia is the recipient of Bharat Mata Award conferred by Indian Institute of Oriental Heritage (an International Institute of Oriental Studies and Research, Kolkata). Dr. M.P.Poonia is specialized in the field of Mechanical Engineering. He possesses a vast experience of 30 years. He has published 80 research papers in National and International Journals and published 8 books with M/s. Khanna Book Publishing Company.

Santosh Kumar

Prof. Santosh Kumar, Former Professor of Civil Engineering at the Bihar College of Engineering/NIT Patna, obtained his Bachelor's degree in Civil Engineering from Regional

Institute of technology/NIT Jamshedpur and Master's degree from University of Roorkee/NIT Roorkee. Further he obtained Dip. H.E. From Delft University, Netherlands. He completed his Ph.D from Patna University. Prof. Kumar taught water resources related subjects for more than 40 years. During his tenure he successfully guided four Ph.Ds. and a record 28 M.Tech dissertations. He also produced more than 50 research papers. Later he also acquired advanced knowledge in Environmental Science. Dr. Kumar was picked up by the World Bank as a consultant to its projects in Bihar at FMISC, where he served for four years. He is a Fellow of Institution of engineers India; Chairman Indian Water Resources Society (Patna Chapter).



Elements of Solid & Hazardous Waste Management

Author :	O.P. Gupta
ISBN 13 :	978-93-82609-75-9
ISBN 10 :	938260975X
E-ISBN 13 :	978-93-82609-75-9
Edition :	First
Pages :	392
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 450.00
Categories :	University Recommended, Environmental Engineering, Environmental Engineering, Book Store
Condition Type :	New
Country Origin :	India

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

This book describes the essential features of Solid & Hazardous Waste Management covering the following topic:

1. Introduction to Solid Waste Management.
2. Municipal Solid Waste (MSW) Management .
3. Industrial Solid Waste Management.
4. Radioactive Waste (BMW) Management.
5. e- Waste Management.
6. Integrated Solid Waste Management (ISWM).

Besides, Short question & answers and multiple-choice questions & answers drawn from the examination papers of various engineering colleges and professional bodies examination given at the end of the book enhances its utility for the students.

The book will be useful for degree, postgraduate & diploma courses in engineering, AMIE, AMIIM & AMMIICHE examinations.

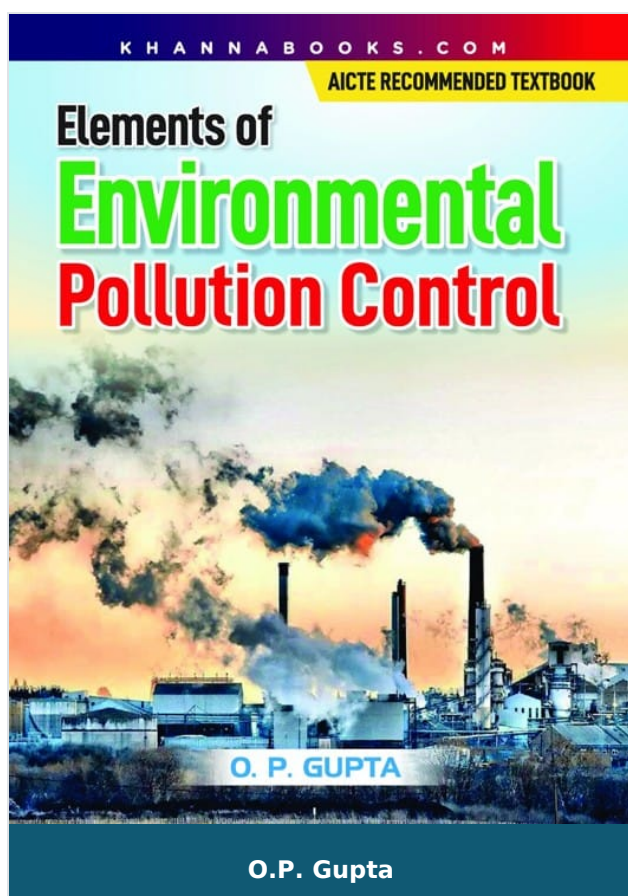
Table Of Contents

- Introduction to Solid Waste Management
- Municipal Solid Waste (MSW) Management
- Industrial Solid Waste Management
- Hazardous Waste Management
- Radioactive Waste Management
- Biomedical Waste (BMW) Management
- E- Waste Management
- Integrated Solid Waste Management
- Short Q&A on Solid Waste Management (ISWM)
- Multiple Choice Q & A in Solid Waste Management
- Glossary of Terms Related to Solid & Hazardous
- References/Bibliography/Further Reading

Author

O.P. Gupta

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees (Technical), he has also visited england and france on a study tour sponsored by United Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.



Elements of Environmental Pollution Control

Author :	O.P. Gupta
ISBN 13 :	978-93-82609-66-7
ISBN 10 :	9382609660
E-ISBN 13 :	978-93-82609-66-7
Edition :	First
Pages :	872
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 565.00
Categories :	Civil Engineering, University Recommended, Environmental Engineering, Environmental Engineering, Book Store
Condition Type :	New
Country Origin :	India

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

This book will cater to the needs of students who want to pursue a Diploma in Engineering, Degree in Engineering (B. Tech/B.E., B.Sc.(Eng.) students. Postgraduate degree in Engineering (M. Tech, M.E.) students. AMIE (Associate membership of Indian Institute of Metals) examination. AMIICHE (Associate Membership of Indian Institute of Chemical Engineers) examination. AIC (Associateship of Institute of Chemist) examination. Practicing engineers in the field of environmental engineering. Environmental engineering professionals.

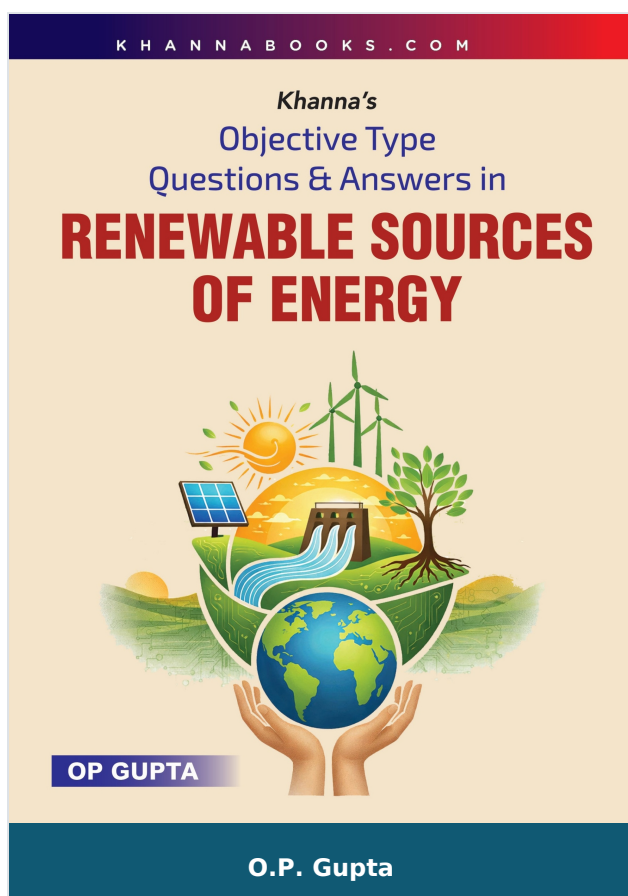
Table Of Contents

- Abbreviations
- Introduction Classification Sources and Effect of Environmental Pollution
- Terminology, Definition, Data, Units and their Conversion
- Classification of Environmental Pollutants
- Environment Its Components and Bio-Geochemical Cycles
- Atmosphere and its Constituents
- Introduction of Air Pollution
- Effects of Environmental Pollution on Plants/Trees/Vegetation

Author

O.P. Gupta

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Khanna's Objective Type Questions & Answers in Renewable Sources of Energy

Author :	O.P. Gupta
ISBN 13 :	978-93-74549-43-8
ISBN 10 :	9374549433
E-ISBN 13 :	978-93-74549-43-8
Edition :	First
Pages :	192
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 335.00
Categories :	Objective Type Books, New Arrivals, Environmental Engineering, Environmental Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Objective Type Questions and Answers in Renewable Sources of Energy is a comprehensive academic resource designed to provide a deep understanding of the rapidly evolving field of sustainable energy. Authored by Om Prakash Gupta, an experienced professional in human resource development and engineering, this book serves as a vital tool for mastering the theoretical and practical nuances of green technologies. It covers a broad spectrum of topics, including solar, wind, geothermal, biomass, and ocean energy, as well as emerging fields like nuclear fusion and Magneto Hydro Dynamic (MHD) power generation.

The book is specifically tailored to meet the curriculum needs of undergraduate, postgraduate, and diploma students across various engineering branches. It also serves as an essential preparatory guide for competitive associate membership examinations such as AMIE, AMIIM, and AMIICHE. By blending hundreds of objective-type questions with detailed short-answer explanations and an extensive glossary, the text ensures that readers can effectively bridge the gap between classroom learning and professional application. Whether you are a student, a faculty member, or a practicing consultant, this book offers a structured and engaging approach to mastering the clean energy paradigms of the future.

Salient Features

- **Comprehensive Topic Coverage:** This book provides an exhaustive exploration of non-conventional energy sources, including solar, wind, ocean, geothermal, biomass, hydropower, and nuclear fusion energy systems.
- **Diverse Question Formats:** Readers benefit from a dual-structured learning approach featuring over a hundred pages of objective-type questions followed by detailed short-answer explanations for conceptual clarity.

- **Exam-Oriented Design:** The content is meticulously aligned with the syllabi of major professional bodies and engineering universities, making it an ideal companion for AMIE and competitive exams.
- **Technical Glossary Included:** A specialized section dedicated to a glossary of terms ensures that students and professionals can quickly master the complex terminology used in renewable energy industries.
- **Practical Working Principles:** The book includes descriptive answers and sketches that explain the mechanics of advanced systems like OTEC, parabolic dish collectors, and geothermal flash steam plants.
- **Environmental Impact Analysis:** Beyond technical mechanics, the text addresses critical environmental considerations, such as waste treatment and the ecological benefits of moving away from fossil fuels.
- **Professional Reference Value:** While primarily academic, the book serves as a reliable reference for practicing engineers and consultants looking to refresh their knowledge on sustainable energy applications.
- **Emerging Technology Insights:** The content dives into modern energy conversion devices, offering specific insights into fuel cells, thermionic converters, and Magneto Hydro Dynamic (MHD) generators.

Table Of Contents

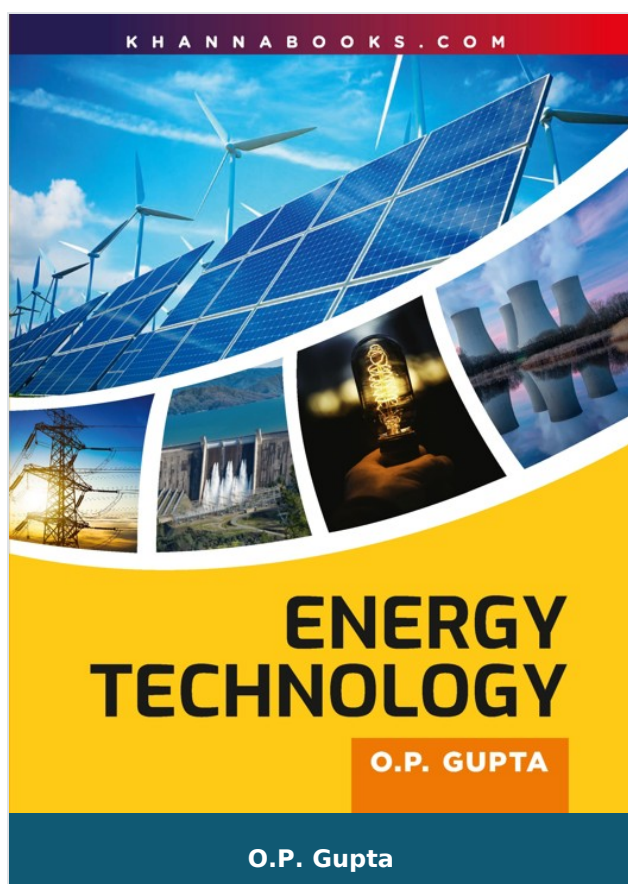
- SECTION A: Objective Type Questions Answers
- Introduction to Renewable Sources of Energy
- Solar Energy
- Wind Energy
- Ocean Energy
- Geothermal Energy
- Biomass Energy
- Hydropower
- Nuclear Fusion Energy
- Magneto Hydro Dynamic (MHD) Generator
- Miscellaneous Questions
- SECTION B: Short Answer Type Questions
- Short Answer Type Questions
- SECTION C: Glossary
- Glossary

Author

O.P. Gupta

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees

(Technical), he has also visited england and france on a study tour sponsored by United Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.



Energy Technology

Author :	O.P. Gupta
ISBN 13 :	978-93-86173-68-3
ISBN 10 :	9386173689
E-ISBN 13 :	978-93-86173-68-3
Edition :	First
Pages :	850
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 595.00
Categories :	Electrical, Electronics & Communication Engineering, Environmental Engineering, Environmental Engineering, Book Store
Condition Type :	New
Country Origin :	India

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

Energy Technology is an integral part of the degree, postgraduate & diploma curriculum of various branches of engineering. besides, it is also a compulsory paper for various associate membership examination conducted by professional bodies like institution of engineering (AMIE), Indian Institute of Metals (AMIIM), Indian Institute of Chemical Engineering (AMIICHE), BEE etc. This book has been prepared strictly as per the syllabus of these examinations. Short questions & answer and multiple-choice questions & answers drawn from the examination papers of various engineering colleges and professional bodies examinations given at the end of the book enhances its utility for the student.

Table Of Contents

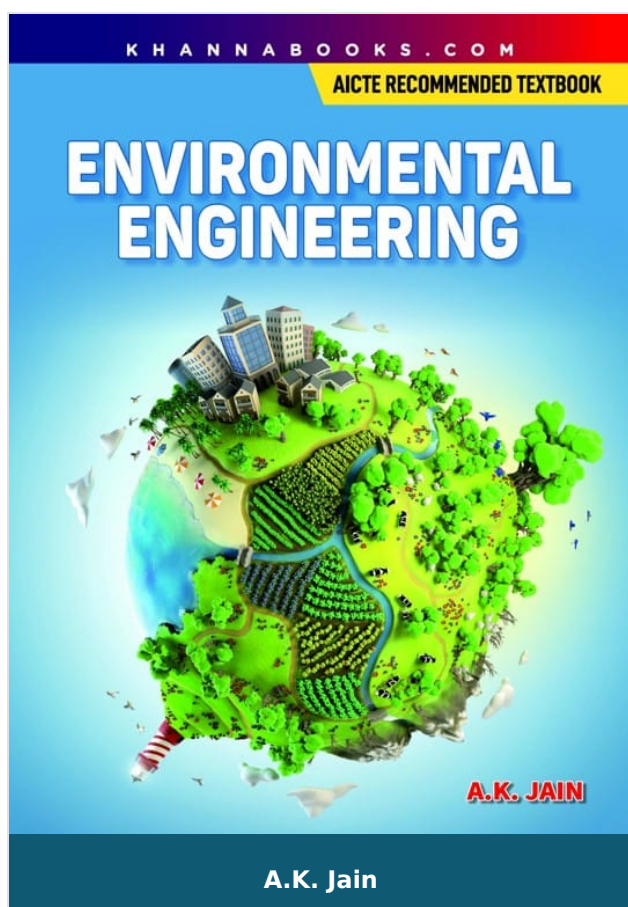
- Chapter-1. Introduction to energy basics and energy scenario
- Chapter-2. Fuel and Combustion Technology
- Chapter-3. Alternate fuels for transportation
- Chapter-4. Furnaces
- Chapter-5. Boilers
- Chapter-6. Waste heat recovery
- Chapter-7. Steam-properties & efficient utilization
- Chapter-8. Thermal Insulation
- Chapter-9. Refractories
- Chapter-10. Basics of Electric Energy Uses
- Chapter-11. Electric Transformers
- Chapter-12. Electric Motors
- Chapter-13. Fans and blowers
- Chapter-14. Pumps and pumping system
- Chapter-15. Cooling towers
- Chapter-16. Compressed air system
- Chapter-17. Refrigeration system
- Chapter-18. Diesel Generator (DG) set system
- Chapter-19. Energy efficient lighting systems
- Chapter-20. Energy efficient technologies in electrical system
- Chapter-21. Power Cogeneration
- Chapter-22. Energy Conversion System
- Chapter-23. Energy Storage Systems

- Chapter-24. Energy Efficient Building
- Chapter-25. Waste To Energy (WTE) Generation
- Short Question & Answer on Conventional Energy

Author

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Environmental Engineering

Author :	A.K. Jain
ISBN 13 :	978-93-86173-63-8
ISBN 10 :	9386173638
E-ISBN 13 :	978-93-86173-63-8
Edition :	First
Pages :	568
Type of book :	Physical
Year :	2024
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 525.00
Categories :	Civil Engineering, University Recommended, Environmental Engineering, Environmental Engineering, Book Store
Condition Type :	New
Country Origin :	India

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

The book Environmental engineering covers a wide range of topics-water, sanitation and drainage, solid and liquid waste treatment, energy, pollution control and environmental planning. the basis of environmental engineering is the sustainability which include the ecology, climate, geology, hydrology, and infrastructure services. One of the major challenges pertains to making the cities more sustainable by environmental planning, which have been explained in detail. Several examples, explained in a simple, flowing language and more than 200 drawings and visuals give a practical focus to the book.

Table Of Contents

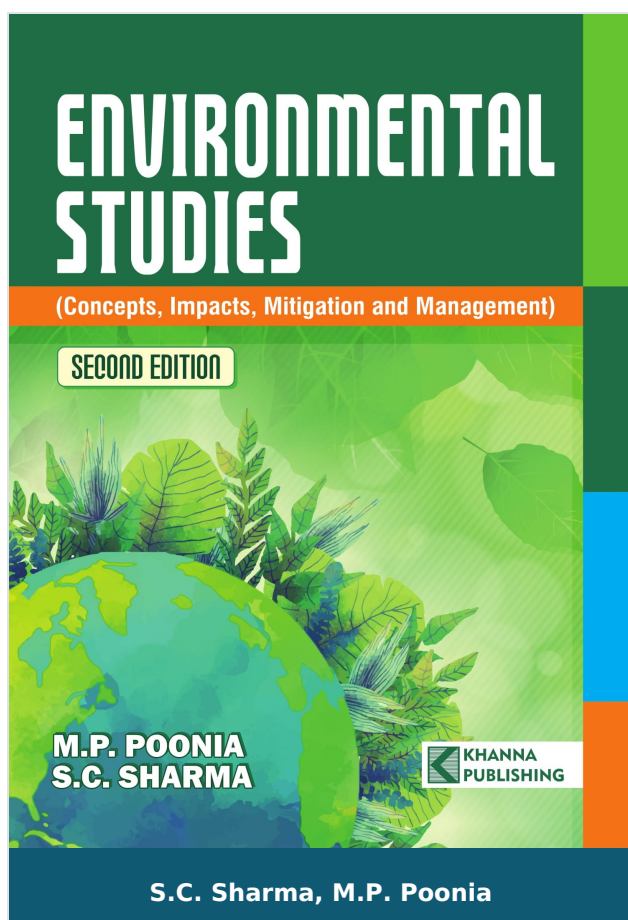
- Chapter-1: An Introduction to Environmental Engineering
- Chapter-2: Water
- Chapter-3: Water Supply in Buildings
- Chapter-4: Sanitation and Sewerage
- Chapter-5: Drainage and Storm Water Management
- Chapter-6: Solid Waste Management
- Chapter-7: Energy Conservation and Efficiency
- Chapter-8: Water Pollution and Health
- Chapter-9: Waste Water Treatment
- Chapter-10: Environmental Planning
- Glossary, Terms and Definition
- Bibliography

Author

A.K. Jain

A.K. Jain, as Commissioner (Planning) Delhi Development Authority worked on the Master Plan for Delhi-2021, National Urban Housing and Habital Policy, National Urban Transport Policy and various urban projects. He was a member of the Committee Constituted by the Ministry of Urban Development, GOI to review the statute of the Delhi Development Authority vis-a-vis the changing urban scenario and new policy initiatives. As a member of editorial Board of International Journal of Environmental Studies (UK) and is author of several books on urban development and management. He is visiting faculty at Delhi School of Planning and Architecture and other Institutes. He was awarded 2nd Urban Professional Award 2014 at World Urban Forum in Medellin, Colombia in recognition of

being an exemplary city changer. Union Minister for Urban Development honoured him with IBC Lifetime Achievement Award (2016).



Environmental Studies

Author : S.C. Sharma, M.P. Poonia

ISBN 13 : 978-93-86173-09-6

ISBN 10 : 9386173093

E-ISBN 13 : 978-93-86173-09-6

Edition : Second

Pages : 460

Type of book : Physical

Year : 2021

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 399.00

Categories : [Civil Engineering, University Recommended, Environmental Engineering, Environmental Engineering, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Environmental degradation has been a major concern since past few decades, because of economic growth and development across the world has caused major impacts on the Earth's ecosystems and natural resources to an extent that can limit the well-being of future generations.

India has recently started realizing the importance of environment and the environmental education. Following the 2001 Supreme Court directive, the environmental education has been or is being included in the curriculum right from the school stage to the College/ University level.

This book covers the syllabi of all Indian Technical Universities and other Universities for different disciplines, may it be in the name of environmental studies, environmental science, ecology or natural resource management. This book is written to bring about an awareness of a variety of environmental concerns and deals from concepts through impacts, mitigation and management.

Table Of Contents

- An Introduction (Multidisciplinary Nature of Environmental Studies)
- The Earth and The Biosphere (Earth Sciences)
- Ecology
- Ecosystems
- Biodiversity and Conservation
- Natural Resources
- Forest Resources
- Water Resources
- Mineral Resources
- Land (Soil) Resources
- Energy Resources
- Food Resources
- Environmental Pollution (Hazards) and Control
- Waste Management
- Disaster Management
- Social Issues
- Environmental Challenges
- Human Pollution and The Environment
- Resettlement and Rehabilitation (R & R)
- Environmental Protection
- Environmental Legislation
- Environmental Impact Assessment (EIA)
- Environmental Management and Environmental Management Plan (EMP)

- Objective Type Question

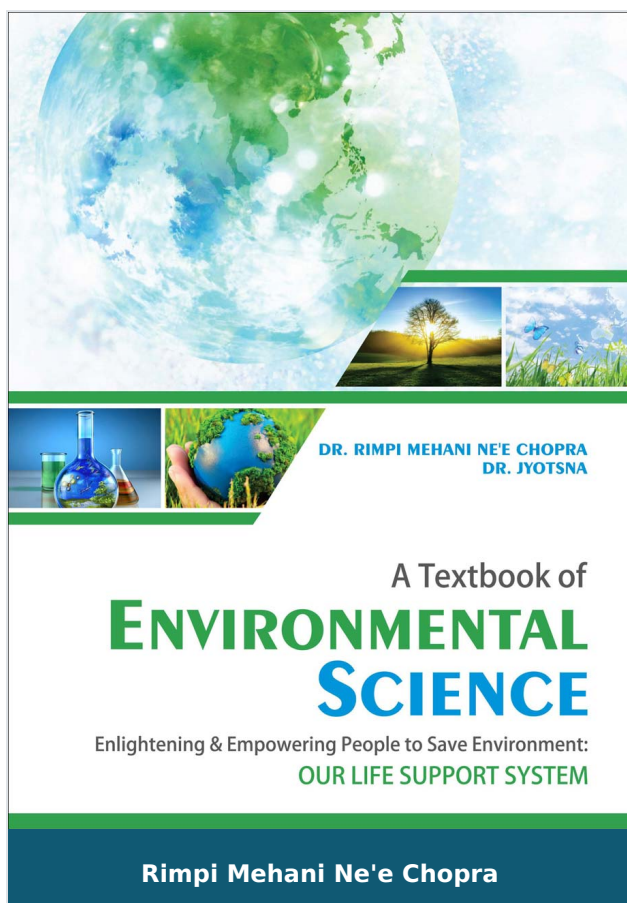
Author

S.C. Sharma

S.C. Sharma after graduation in 1966 joined as lecturer in Mechanical Engineering. He had been associated for more than 4 decades in various fields including learning and management of projects in India and abroad in different capacities. While working Hydro power projects for more than 15 years he has actively associated with various environmental and rehabilitation & resettlement issues and successfully resolved various complicated issues. He has also worked as consultant for matters related to safety, environment and R & R. He has written about a dozen books on subjects related to engineering and management including management of projects.

M.P. Poonia

Dr. M.P. Poonia is presently serving as Vice Chairman, All India Council for Technical Education (AICTE). Prior to this, he remained as Director, National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh. Dr. Poonia is the recipient of Bharat Mata Award conferred by Indian Institute of Oriental Heritage (an International Institute of Oriental Studies and Research, Kolkata. Dr. M.P.Poonia is specialized in the field of Mechanical Engineering. He possesses a vast experience of 30 years. He has published 80 research papers in National and International Journals and published 8 books with M/s. Khanna Book Publishing Company.



A Textbook of Environmental Science

Author : Rimpi Mehani Ne'e Chopra

ISBN 13 : 978-93-82609-93-3

ISBN 10 : 9382609938

E-ISBN 13 : 978-93-82609-93-3

Edition : 1

Pages : 337

Type of book : Physical

Year : 2017

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 385.00

Categories : [Computer Science Engineering,](#)
[Environmental Engineering,](#)
[Environmental Engineering, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Our environment is a gift of good given to us. We are growing multifaceted in technology and engineering but at the cost of the air, water and land around us. We are not focusing on our needs but on our wants. India is our country but earth is the mother of all countries, its every problem is our real concern. We will need every citizen's help to answer to the very intense problem of the environment. Let us work at our own homes and save the environment.

All the universities and education boards are working for educating the masses on the issues related to the environment. all most everyone has covered all the alarming situations of the environment. The aim of writing this book was to gather the historical events and relate them to the present day situation the book is written according to the syllabus framed by the UGC for the course on Environmental Science to be studied by the undergraduate students of all Indian Universities. We have tried to touch the latest issues with the fresh available data.

Table Of Contents

- Multidisciplinary Nature of Environmental Studies
- Natural Resources
- Ecosystem
- Biodiversity
- Environment Pollution
- Social Issues and Environment
- Human Population and Environment

Author

Rimpi Mehani Ne'e Chopra

Rimpi Mehani Ne'e Chopra Professor, Ludhiana College of engineering and Technology
Katan Kalan, Ludhiana