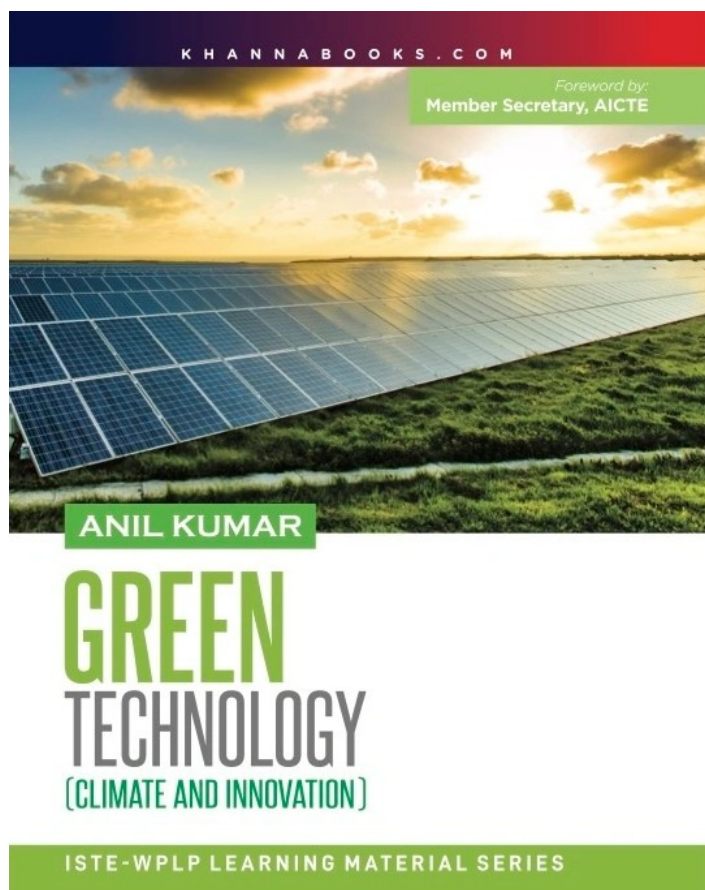




Green Technology (Climate and Innovation)

Author :	Anil Kumar
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Condition Type :	New
Country Origin :	India

Product Description

Green Technology: Climate and Innovation offers a powerful narrative on tackling global climate change through innovative and sustainable solutions. Blending scientific insights, global policies, and India's pioneering efforts, the book is an essential guide for policymakers, academicians, and anyone passionate about the environment. The book starts with the basics, explaining how Earth's atmosphere, weather, and climate are interconnected and how human activities disrupt this delicate balance, causing global warming. It explores the impacts of this warming, extreme weather, rising sea levels, and ecological imbalance, while emphasizing the urgent need for mitigation and adaptation strategies. Complex concepts such as radiating forcing, representative concentration Pathway (RCPs), and shared socioeconomic Pathways (SSPs) are presented in an accessible way, helping readers understand future climate scenarios. The book also highlights international collaborations and key climate agreements, from the Kyoto protocol to the Paris Agreement, including critical takeaways from COP26. India's leadership in addressing climate change is a central theme, showcasing its renewable energy drive, energy efficiency initiatives, sustainable urban planning, and afforestation projects. The book further delves into clean technologies transforming sectors like energy, water, agriculture, and transportation. Tying sustainable to India's vision of Atmanirbhar Bharat, it underscores how integrating green technologies can drive nation progress. The concluding chapter calls for collective global action to ensure a resilient future for the planet. Green Technologies: Climate and Innovation is more than a book - it's a call to action offering knowledge, insights, and inspiration to build a sustainable world.



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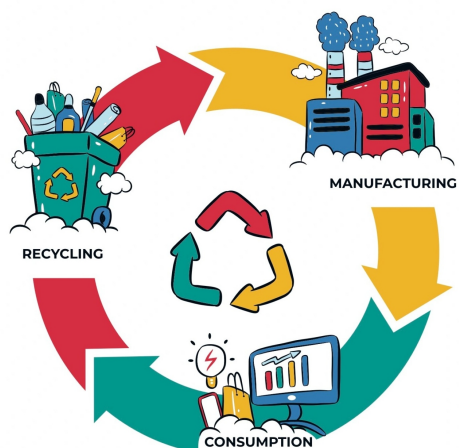
1. Atmosphere, Weather and Climate
2. Earth's Energy Budget
3. Global Warming and Future Trends
4. Responding to Climate Change
5. Radiative Forcing, RCP, SSP
6. Global Studies on Climate Change
7. Global Climate Actions, Agreements and Protocols
8. UN Climate Change Conference- GLASGOW and BEYOND
9. India's Action on Climate Change
10. Clean Technologies
11. Environmental Sustainability for Atmanirbhar Bharat
12. Earth and Climate for Future Generation: A Call for Action
13. Mitigation and Vikasit Bharat 2047



Author

Prof. Anil Kumar is a distinguished figure in the fields of environmental science, disaster management, and climate change, with an illustrious career spanning academia, government, and industry. With a Doctorate in Environmental Science and an M.E. in Hydrology from IIT Roorkee, he has also earned an M.Sc. in Disaster Mitigation, a Master's in Ecology & Environmental, and a Gold Medal in Civil Engineering during his undergraduate studies. Currently serving as a professor of practice at the National Institute of Technical Teachers' Training and Research (NITTTR) Kolkata- a-Deemed-to-be University under the ministry of Education, Government of India- Prof. Kumar held several prestigious positions. These include Senior Advisor (Environment & Climate Change) at the Bihar State Disaster Management Authority, Director at Adamas University, and State Project Administrator of the World Bank's TEQIP-III initiative for Uttar Pradesh Under the Ministry of Human Resource Development (MHRD). He has also made impactful contributions as a Deputy Director General and Director general (I/C) at the institution of Engineers (India), Deputy Director at the All India Council for Technical Education (AICTE), and Superintending Engineer at the Damodar Valley Corporation. His association with UNESCO's Hydrology Program at IIT Roorkee and governance roles in bodies like the Indian Society for Technical Education (ISTE) and the Solar Energy Society of India reflect his dedication to advancing technical education and environmental sustainability. In recognition of his exceptional contributions to the national technical education system, Prof. Kumar was conferred the ISTE Fellowship in 2024. As an accomplished author, he has penned influential works, including Disaster Management, Water Security and Ecosystem Balance, and Environmental Studies and Disaster Management. His extensive knowledge and expertise firmly establish him as a leading authority in climate change and Disaster risk resilience, inspiring the next generation of professionals in these critical domains.





INTRODUCTION TO Circular ECONOMY

MUKUL CHANDRA BORA

Foreword by **Prof. Anil D. Sahasrabudhe**
Chairman, National Educational Technology Forum

Introduction to Circular Economy

Author :	Mukul Chandra Bora
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Product Description

The concept of a Circular Economy has emerged as a transformative framework for addressing the environmental, economic, and social challenges of the 21st century. As the global population continues to grow and natural resources become increasingly scarce, the limitations of the traditional linear economy — characterized by a "take, make, dispose" model — have become evident. The linear approach has not only strained ecological systems but also led to significant economic inefficiencies and social inequalities. In response to these challenges, the circular economy presents a regenerative and restorative model designed to minimize waste, optimize resource use, and create sustainable economic opportunities. The Bharatiya Gyana Parampara i.e., Indian Knowledge System as it commonly known to all of us now is also briefly described in this book as the concept of a circular economy was inherently practiced in ancient India, deeply rooted in the principles of sustainability, resource efficiency, and minimal waste generation. Traditional Indian society emphasized harmony with nature through practices such as reuse, recycling, and repurposing of materials. Agricultural systems followed natural cycles, using organic compost and crop rotation to maintain soil fertility. Handicrafts and textiles were produced using renewable resources like cotton, wool, and natural dyes, with worn-out materials often repurposed into quilts, ropes, or cleaning cloths. Metal and wooden tools were repaired or melted down for reuse, reflecting a resource-conserving mindset. Water harvesting systems, such as stepwells and reservoirs, ensured sustainable water management. The philosophical and spiritual underpinnings of Indian culture, including concepts from Vedic and Buddhist traditions, advocated for minimalism and mindful consumption, discouraging excess and waste. This self-sufficient and regenerative approach to production and consumption closely aligns with modern circular economy principles, highlighting the relevance of ancient Indian wisdom in addressing contemporary sustainability challenges. This book, Introduction to Circular Economy, aims to provide a comprehensive foundation for understanding the principles, strategies, and practical applications of the circular economy. It explores how circular thinking can reshape industries, redefine business models, and drive innovation in the face of growing environmental and economic pressures. The circular economy encourages a shift from the consumption of finite



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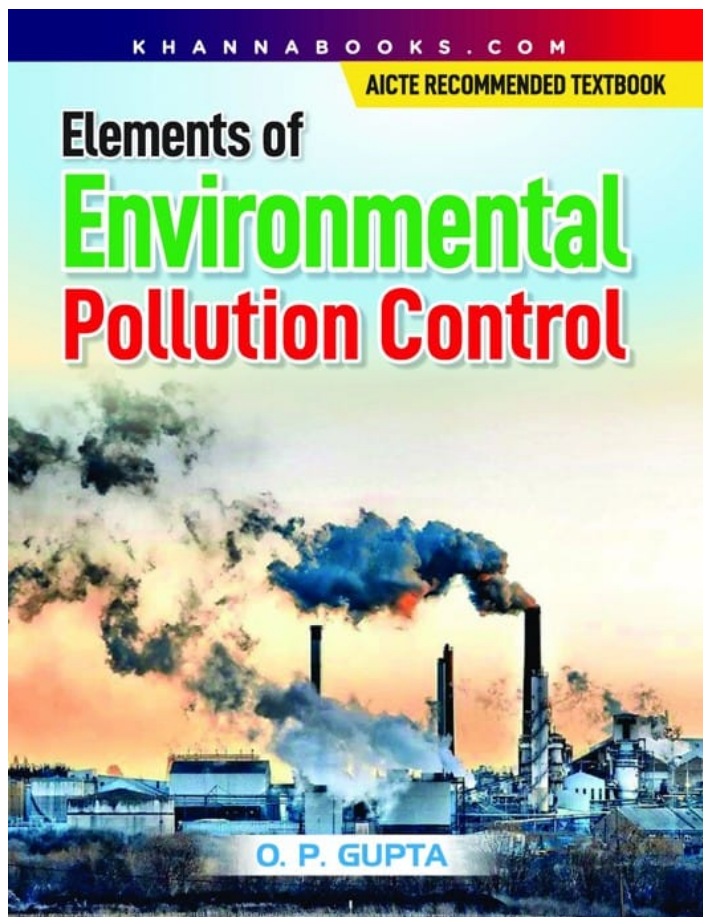
Foreword Preface

- Theory of Economic Development
- Circular Economy and Environmental
- Global Initiatives Towards Circular Economy
- Circular Economy: Indian Scenario
- Role of life Cycle Analysis in Circular Economy
- Design and Circular Economy
- Business Model and Circular Economy
- Business Model and Case Studies in Circular Economy
- Reference (Suggested Reading)

Author

Dr. Mukul Chandra Bora has an extensive academic background in civil engineering, reflecting his commitment to scholarly excellence. He earned a Ph.D. in Civil Engineering from the Indian Institute of Technology (IIT) Guwahati in 2011, following an M. Tech in Geotechnical Engineering from IIT Kharagpur in 2000. His journey in the field began with a B.E. in Civil Engineering from Dibrugarh University in 1988. With decades of professional experience, Dr. Bora has held key academic and administrative roles. Since August 2012, he has been the Director of the Institute of Engineering & Technology, Dibrugarh University. Previously, he served as State Project Administrator for the Northeast State Project Implementation Unit (2017-2021) of TEQIP - III project of Ministry of Education, Government of India. His teaching career includes a tenure at Technical Education Department of Government of Assam together with professional experience as a Quantity Surveyor at PBS Limited, Guwahati (1991-1995) and a Site Engineer at M.L. Dalmiya & Co. Ltd., Kolkata (1989-1991). Dr. Bora's research and consultancy work focus on ground improvement techniques, geosynthetics, rainfall impact on groundwater, non-biodegradable waste in construction, and slope stabilization. He has contributed significantly to materials characterization and geotechnical investigations for major infrastructure projects, including power plants and industrial facilities. He is a fellow of the Institution of Engineers (India), a Senior Member of the Asia Pacific Chemical, Biological and Environmental Engineering Society (Hong Kong), and a Member of the International Association for Life Cycle Civil Engineering (Italy). Additionally, he serves as a reviewer for reputed journals, including Springer's Journal of the Institution of Engineers (India), Series A. Beyond civil engineering, Dr. Bora has made remarkable contributions to the Bhartiya Knowledge System (BKS), which encompasses philosophy, science, mathematics, astronomy, Ayurveda, linguistics, and traditional Indian technologies. Rooted in ancient texts like the Vedas and Upanishads, BKS has profoundly influenced Indian civilization. Dr. Bora is dedicated to reviving and integrating traditional Indian knowledge with modern research and education, bridging the gap between ancient wisdom and contemporary advancements. His book, "Foundations of Bhartiya Knowledge System" (2023), published by Khanna Publishing House, delves into the fundamental principles of India's knowledge systems, promoting their relevance in the modern era. Through his work, Dr. Bora continues to advance both civil engineering and India's intellectual heritage, fostering a deeper appreciation of Bhartiya wisdom among scholars and students.





Elements of Environmental Pollution Control

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Condition Type :	New
Country Origin :	India

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.



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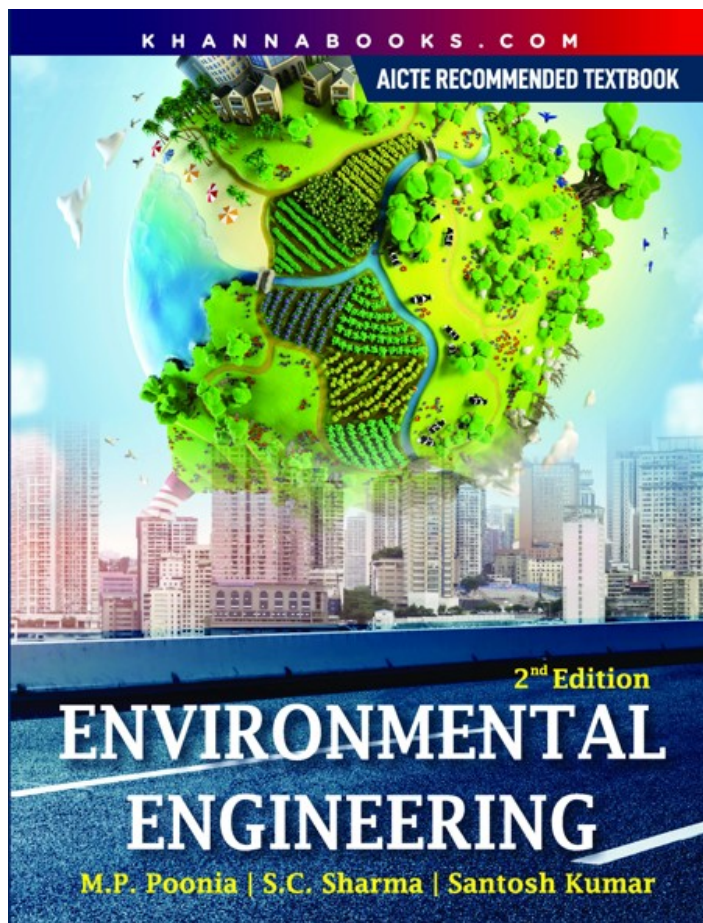
Abbreviations

Chapter 1: Introduction Classification Sources and Effect of Environmental Pollution. **Chapter 2:** Terminology, Definition, Data, Units and their Conversion. **Chapter 3:** Classification of Environmental Pollutants. **Chapter 4:** Environment Its Components and Bio-Geochemical Cycles. **Chapter 5:** Atmosphere and its Constituents. **Chapter 6:** Introduction of Air Pollution. **Chapter 7:** Effects of Environmental Pollution on Plants/Trees/Vegetation.

Author

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practicing experience of efficient Energy 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 Program (UNDP) to study the scope of energy conservation in steel plants in 1987.





Environmental Engineering

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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.



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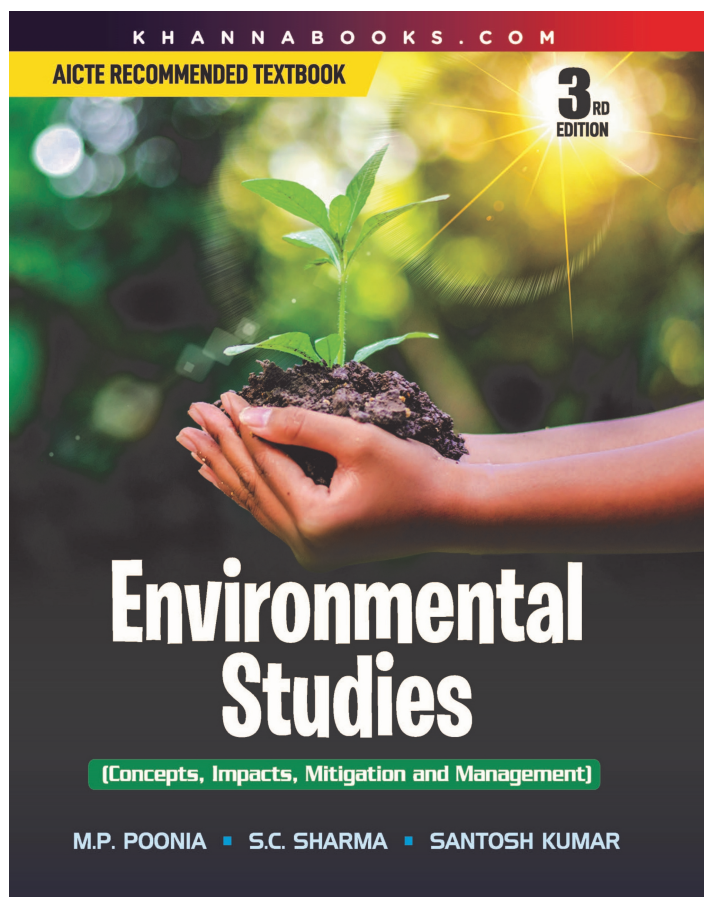
Authors

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.

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.

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).





Environmental Studies

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Product Description

Environmental degradation has been 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 environmental 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 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.



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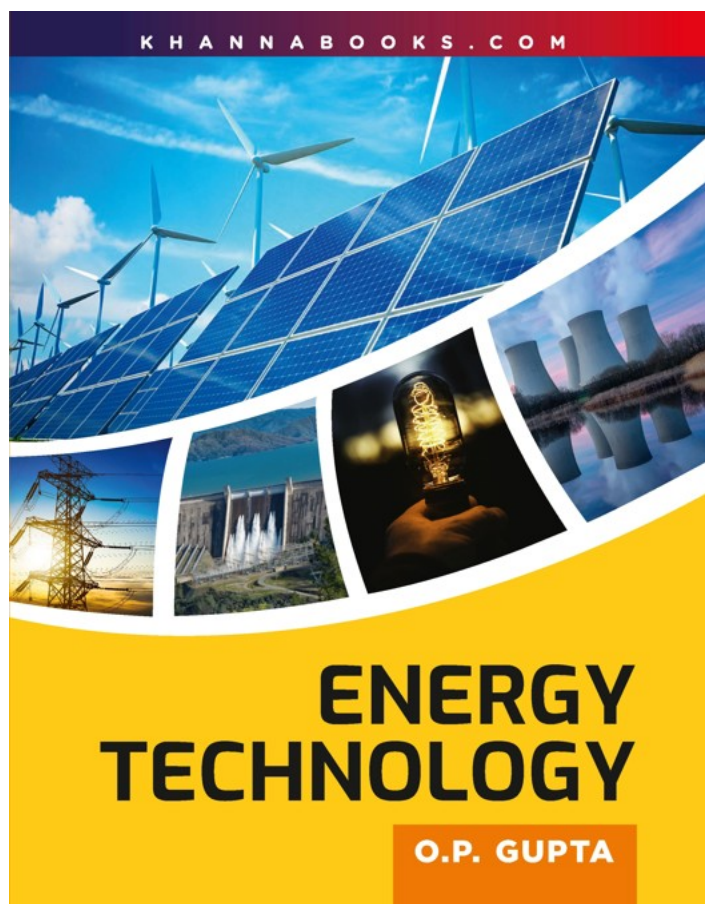
Chapter 1: Introduction - Multi-Disciplinary Nature of Environmental Studies. **Chapter 2:** The Earth and the Biosphere (The Earth Sciences). **Chapter 3:** Ecology. **Chapter 4:** Ecosystems. **Chapter 5:** Biodiversity and its Conservation. **Chapter 6:** Natural Resources. **Chapter 7:** Forest Resources. **Chapter 8:** Water Resources. **Chapter 9:** Mineral Resources. **Chapter 10:** Land (Soil) Resources. **Chapter 11:** Energy Resources. **Chapter 12:** Food Resources. **Chapter 13:** Environmental Pollution (Hazards and Control). **Chapter 14:** Waste Management. **Chapter 15:** Disaster Management. **Chapter 16:** Social Issues. **Chapter 17:** Environmental Challenges. **Chapter 18:** Human Population and the Environment. **Chapter 19:** Resettlement and Rehabilitation (R&R). **Chapter 20:** Environmental Protection. **Chapter 21:** Environmental Legislations. **Chapter 22:** Environmental Impact Assessment (EIA). **Chapter 23:** Environmental Management and Environmental Management Plan. **Chapter 24:** Field Work (Project Work). **Exercise Question (Distinguishing, Short Answer Questions, Expansions, Fill in the Blanks, MC, True-False).**



Authors

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. **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. **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).





Energy Technology

Author :	O.P. Gupta
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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.



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Author

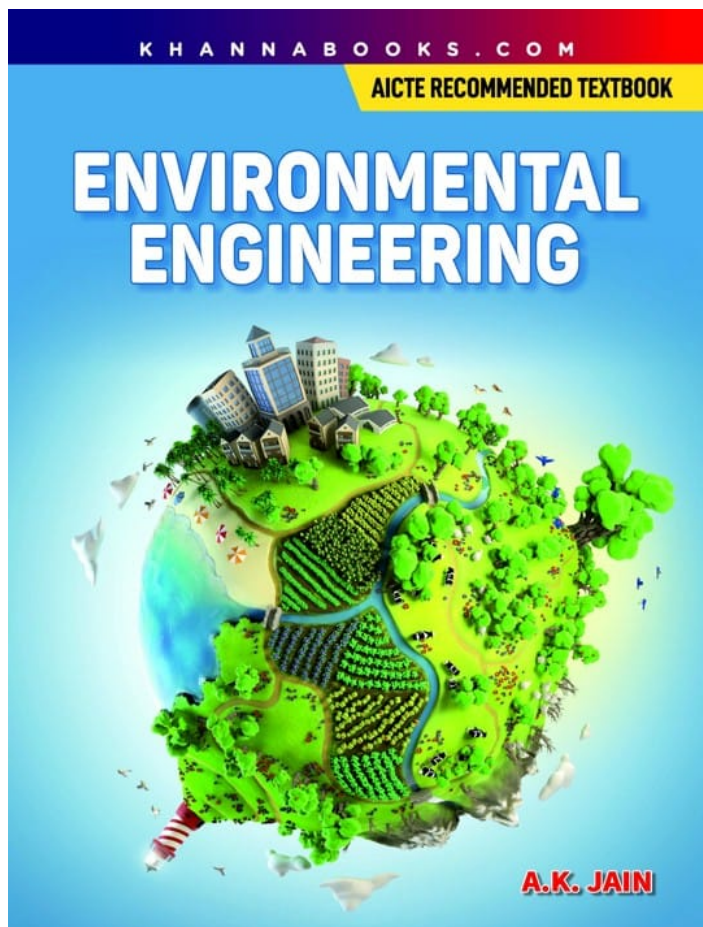
O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practicing experience of efficient Energy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at 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 Program (UNDP) to study the scope of energy conservation in steel plants in 1987.



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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.

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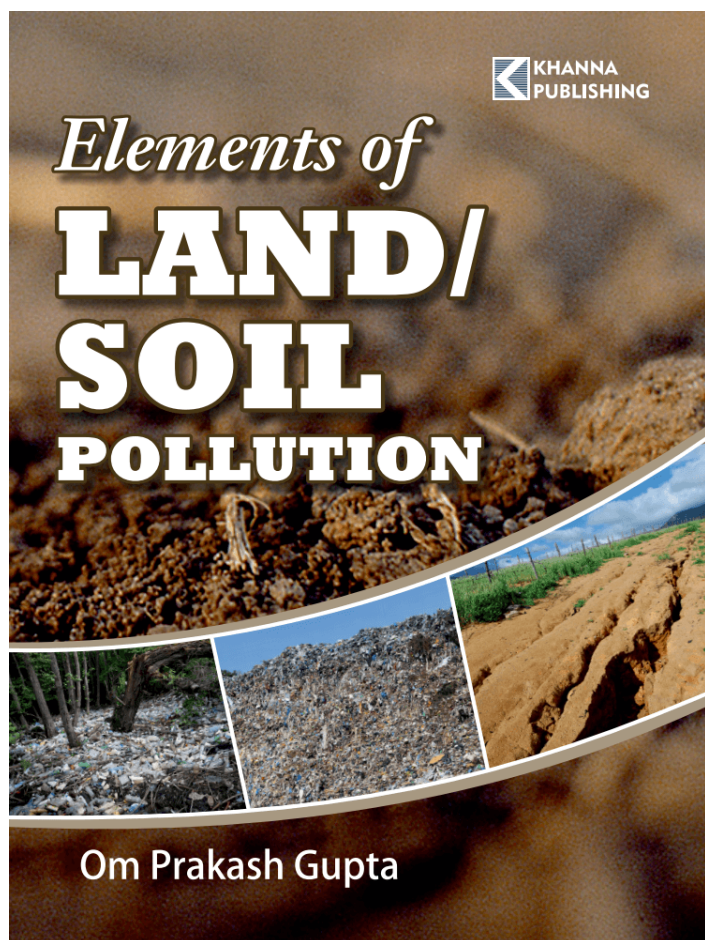
Chapter 1: An Introduction to Environmental Engineering. **Chapter 2:** Water. **Chapter 3:** Water Supply in Buildings. **Chapter 4:** Sanitation and Sewerage. **Chapter 5:** Drainage and Storm Water Management. **Chapter 6:** Solid Waste Management. **Chapter 7:** Energy Conservation and Efficiency. **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 honored him with IBC Lifetime Achievement Award (2016).





Elements of Land/Soil Pollution

Author :	O.P. Gupta
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Product Description

This book contains detailed description of sources, effects and control of soil pollution spanning over five chapters. Besides, it also contains two chapters devoted to short questions & answers and multiple choice questions & answers drawn from the examination papers of various engineering colleges for the benefits of the students. Last chapter contains glossary of terms related to soil pollution. The book will be useful for degree & diploma curriculum of various branches of engineering and for various associate membership examinations conducted by professional bodies like Institution of Engineers (AMIE), Indian Institute of metals (AMIIM), Indian Institute of Chemical Engineers (AMIIChE), etc.

SALIENT FEATURES OF THE BOOK:

Subject matter has been presented in simple, lucid & understand language. Cover all the topics included in the syllabus of various engineering colleges/Technical Institutes & professional bodies examination papers. Short questions & answers and multiple choice questions & answers drawn from the examinations given at the end of the book enhances its utility for the students. Up to date statistics and glossary of terms related to the subject have been included.

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Chapter 1: All about Soil—Its Formation, Types, Components & Properties.

Chapter 2: Introduction to Soil Pollution.

Chapter 3: Causes, Types, & Sources of Soil Pollution.

Chapter 4: Effects of Land/Soil Pollution.

Chapter 5: Prevention & Control of Land/Soil Pollution.

Chapter 6: Short Questions & Answers on Soil Pollution.

Chapter 7: Multiple Choice Questions & Answers.

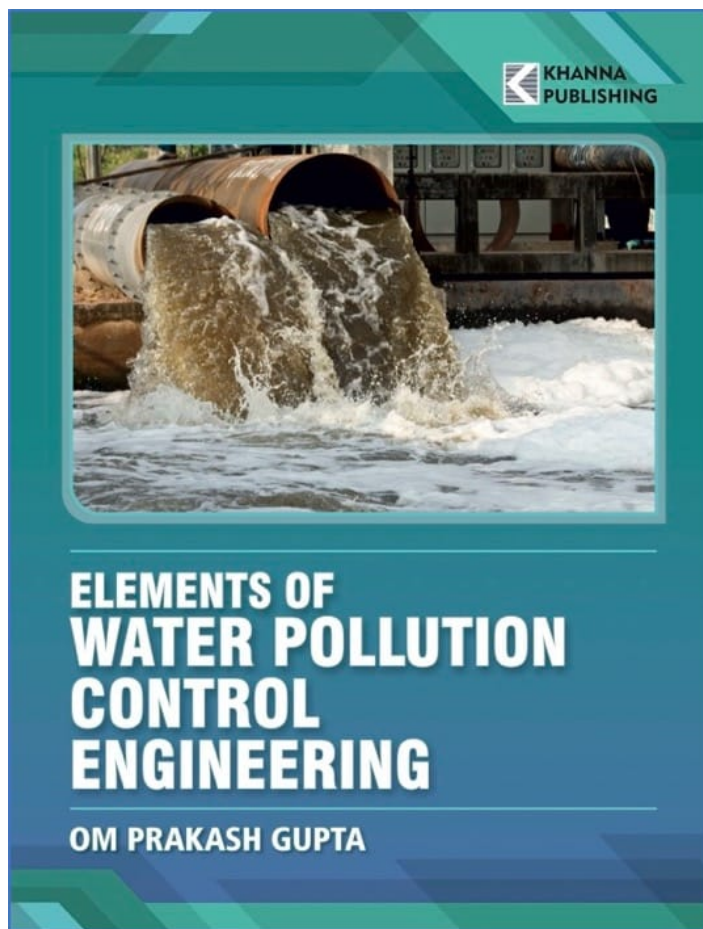
Chapter 8: Glossary of Terms Related to Soil Pollution.



Author

Om Prakash Gupta is basically being a chemical engineer, he has a practicing experience of efficient Energy 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 Program (UNDP) to study the scope of energy conservation in steel plants in 1987.





Elements of Water Pollution Control Engineering

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Type of book :	Paperback
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Language :	English
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Categories :	Civil Engineering , Environmental Engineering
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Product Description

The book contains twelve chapters followed by appendices (meant for specific target reader groups) pertaining to complete domain of water pollution control engineering. Beside, it also contains two chapters devoted to short questions & answers and multiple choice questions & answers drawn from the examination papers of various engineering colleges for the benefits of the students. the book will be useful for degree & diploma curriculum or various branches of engineering and for various associate membership examinations conducted by professional bodies like Institution of Engineers (AMIE), Indian Institute of Metals (AMIIM), Indian Institute of Chemical Engineers (AMIICHE), Institute of Chemist etc. It will also be equally useful for M.Sc. & B.Sc. students. **SALIENT FEATURES OF THE BOOK:** Subject matter has been presented in simple, lucid & easy to understand language. Covers all the topics included in the syllabus of various engineering colleges/Technical Institutes & professional bodies examination papers. Short question & answers 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 students. Up to date statistics and glossary of terms related to the subject have been included.

Table of Contents

Chapter 1: Introduction to Water Pollution. **Chapter 2:** Characteristics and Properties of Water. **Chapter 3:** Purification of Water/Water Treatment. **Chapter 4:** Sources, Effects and Control of Water Pollution. **Chapter 5:** Waste Water/Sewage Treatment. **Chapter 6:** Industrial Waste Water and Its Treatment. **Chapter 7:** Water Quality and Standards. **Chapter 8:** Water Related Disease. **Chapter 9:** Thermal Pollution of Water. **Chapter 10:** Water Management. **Chapter 11:** Water Pollution Control Acts & Rules. **APPENDIX - A Appendix- B**

Author

Om Prakash Gupta is basically being a chemical engineer, he has a practicing experience of efficient Energy 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 Program (UNDP) to study the scope of energy conservation in steel plants in 1987.



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Elements of Solid & Hazardous Waste Management

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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.



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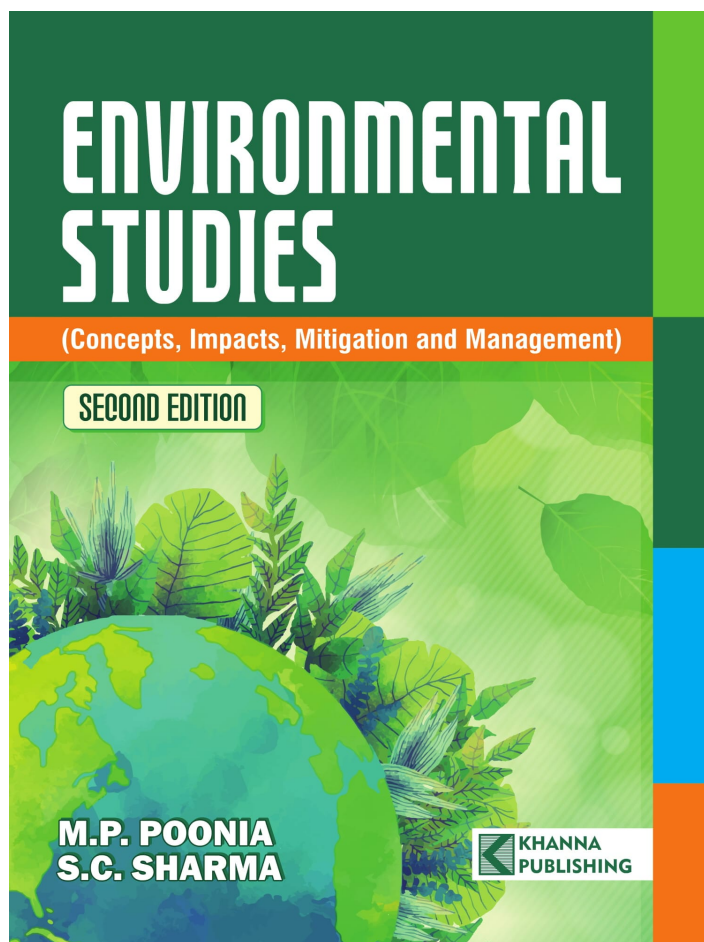
- Chapter 1:** Introduction to Solid Waste Management.
- Chapter 2:** Municipal Solid Waste (MSW) Management.
- Chapter 3:** Industrial Solid Waste Management.
- Chapter 4:** Hazardous Waste Management.
- Chapter 5:** Radioactive Waste Management.
- Chapter 6:** Biomedical Waste (BMW) Management.
- Chapter 7:** E- Waste Management.
- Chapter 8:** Integrated Solid Waste Management.
- Chapter 9:** Short Q&A on Solid Waste Management (ISWM).
- Chapter 10:** Multiple Choice Q & A in Solid Waste Management.
- Chapter 11:** Glossary of Terms Related to Solid & Hazardous.

References/Bibliography/Further Reading

Author

Om Prakash Gupta is basically being a chemical engineer, he has a practicing experience of efficient Energy 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 Program (UNDP) to study the scope of energy conservation in steel plants in 1987.





Environmental Studies

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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.



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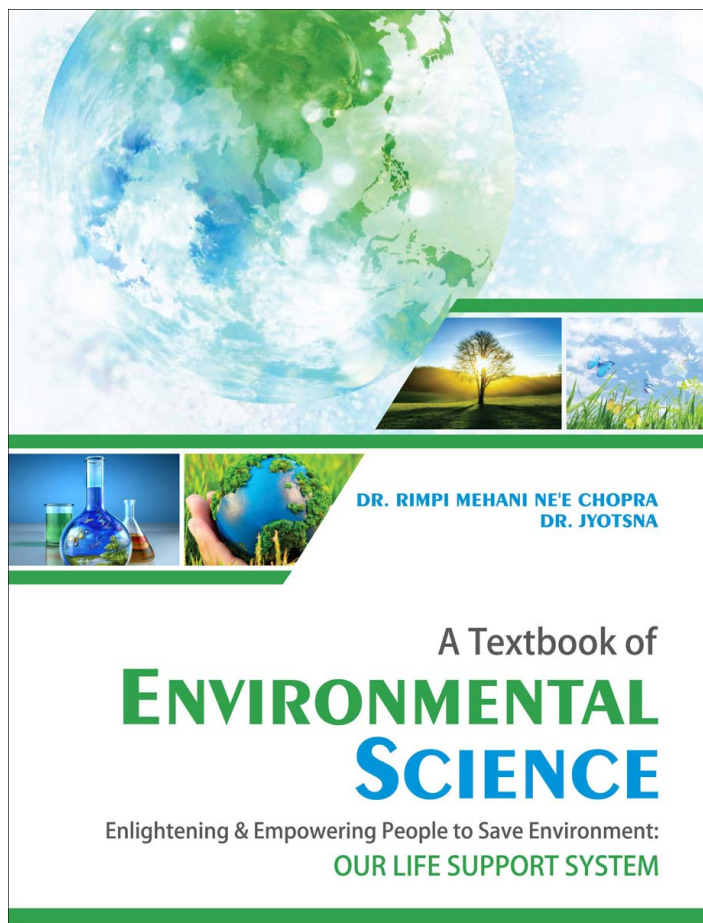
Chapter 1: An Introduction (Multidisciplinary Nature of Environmental Studies)
Chapter 2: The Earth and The Biosphere (Earth Sciences)
Chapter 3: Ecology
Chapter 4: Ecosystems
Chapter 5: Biodiversity and Conservation
Chapter 6: Natural Resources
Chapter 7: Forest Resources
Chapter 8: Water Resources
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Chapter 10: Land (Soil) Resources
Chapter 11: Energy Resources
Chapter 12: Food Resources
Chapter 13: Environmental Pollution (Hazards) and Control
Chapter 14: Waste Management
Chapter 15: Disaster Management
Chapter 16: Social Issues
Chapter 17: Environmental Challenges
Chapter 18: Human Pollution and The Environment
Chapter 19: Resettlement and Rehabilitation (R & R)
Chapter 20: Environmental Protection
Chapter 21: Environmental Legislation
Chapter 22: Environmental Impact Assessment (EIA)
Chapter 23: Environmental Management and Environmental Management Plan (EMP)
Objective Type Question



Author

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. **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.





A Textbook of Environmental Science

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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.



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Chapter 1: Multidisciplinary Nature of Environmental Studies

Chapter 2: Natural Resources

Chapter 3: Ecosystem

Chapter 4: Biodiversity

Chapter 5: Environment Pollution

Chapter 6: Social Issues and Environment

Chapter 7: Human Population and Environment

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