

Revised Edition

# A TEXTBOOK OF ENVIRONMENTAL CHEMISTRY AND POLLUTION CONTROL

(With Energy, Ecology, Ethics and Society)



Dr. S.S. DARA  
Dr. D.D. MISHRA

**S. CHAND**

**A TEXTBOOK  
OF  
ENVIRONMENTAL CHEMISTRY  
AND POLLUTION CONTROL**  
(with Energy, Ecology, Ethics and Society)



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As per Syllabus of RGPV Bhopal, S.V. Technical University Bhilai, UPTU Lucknow, PTU Chandigarh, Anna University Tamil Nadu, JNTU Hyderabad, Anantpur & Kakinada, VTU Belgaum (Karnataka), BPTU Bhubaneswar, GTU Ahmedabad, RTU Jaipur, WBUT, Kolkatta, Nagpur University, Mumbai University, Pune University, Marathwada University, Aurangabad, North Maharashtra University Jalgaon, Amravati University, Cochin University and all other Indian Universities

**Dr. S.S.Dara**

*M.Sc., Ph.D.*

Former Professor and Head  
Deptt. of Applied Chemistry  
Visvesvaraya National Institute of Technology  
NAGPUR

**Dr. D.D.Mishra**

*M.Sc., Ph.D., FICS., M.N.A.Sc.*

Principal  
Technocrats Institute of Technology (C)  
BHOPAL (M.P.)



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## PREFACE TO THE NINTH REVISED AND ENLARGED EDITION

As we know human resource is not only the backbone of a country but a source of its development too. For that it is essential to acquainted with the new inventions, researches, necessities with time. Books are the main source for that. Hence it is necessary to revise & modify the syllabus from time to time in this age of Science. Probably keeping this fact in view the UGC & AICTE are always doing this job. Higher Education & Technical education both have revised the syllabus enormously. In light of this it was necessary to revise the famous book “Environmental Chemistry and Pollution Control” by Late Dr. S.S.Dara, because it was not fulfilling the requirement as per latest curriculum.

In this ninth revised and enlarged edition of this book all essential changes have been made as per revised curriculum of all Indian, Technical and Non technical universities. Keeping in view of the academic requirements of the engineering colleges, new topics like **Ecosystem, social issues and environment. Marine, Thermal, Nuclear Pollutions, Natural resources, Human population and environment and Ethics and moral values are added in this edition.** These new topics and additional data, diagrams are of immense use. All new topics presented in this edition are very understandable manner keeping in view the mental level of the students so that students may acquire the complete knowledge of the subject. Text material of this revised edition is more justifiable, case studies and examples are given at appropriate places. The language is simple and easy to understand. In this way now the book is complete, clear, attractive and organized as per the syllabus.

While preparing the manuscript, a large number of works were consulted and so much originality cannot be claimed in the contents and at best it is a compiled work with a novel presentation. I take this opportunity to place on record my indebtedness to large number of books, journals, websites; I have consulted in preparation of this book.

I offer my thanks to Shri Navin Joshi – E.V.P. and Shri Bhagirath Kaushik – General Manager (S & M) S.Chand and Co.Ltd., for giving the opportunity to revise the book “Environmental Chemistry and Pollution Control” by Late Dr.S.S.Dara. I also thank to Shri A.R.Bhonsle-Branch Manager- Bhopal and Mr.Shishir Bhatnagar – Prepress Manager of S.Chand and Co.Ltd., for their contribution in converting the book into revised edition.

**Dr. D.D.MISHRA**





# **ENVIRONMENTAL CHEMISTRY AND POLLUTION CONTROL**

## **CONTENTS**

1. Environmental Chemistry
2. Environmental Pollution
  - A. Air Pollution
  - B. Water Pollution
  - C. Noise Pollution
  - D. Soil Pollution
  - E. Marine Pollution
  - F. Thermal Pollution
  - G. Nuclear Hazards (Pollution)
3. Solid Wastes-Pollution, Treatment and Disposal
4. Hazardous Wastes
5. Trace Elements-Pollution & Control
6. Natural Resources
7. Energy and Environment
8. Ecosystem
9. Genetic and Plant Biodiversity
10. Bio-Technology and its Applications in Environmental Protection
11. Environmental Management
12. Social Issues and the Environment
13. Human Population and the Environment
14. Effects of Electric and Magnetic Fields in the Environment
15. Sustainable Development—New Approaches
16. Green Chemistry for Clean Technology
17. Ethics And Moral Values





# CONTENTS

Chapter	Pages
<b>1. ENVIRONMENTAL CHEMISTRY</b>	<b>1-23</b>
Environmental segments-Lithosphere, Hydrosphere, Biosphere, Atmosphere, Composition of the atmosphere, Atmospheric structure-Troposphere, Stratosphere, Mesosphere, Thermosphere ; Radiation balance of the earth, chemical species and particulates present in the atmosphere - ions, radicals, particles, reactions in atmosphere, oxidation of sulfur dioxide, photochemical smog, oxidation of organic compounds, formation of ozone in the stratosphere; lapse rate and temperature inversion; Radionuclides in the environment; El Nino Phenomenon and its Effect. (i) Green House effect (ii) Global warming (iii) Acid rain.	
<b>2. ENVIRONMENTAL POLLUTION</b>	<b>24-131</b>
<b>(A) Air Pollution</b>	
Introduction, classification of air pollutants, air pollutants and their effects, acid rain, photochemical smog, particulates, Characteristics and biochemical effects of some air pollutants, sources of some important air pollutants and their effects. Effects of air pollutants on man and environment, interdependence of human activities, meteorology and air pollution, wind speed and wind direction, atmospheric stability and temperature inversion, plume characteristics under different lapse conditions, precipitation and humidity, air quality standards, air monitoring, atmospheric sampling and analysis, analytical and instrumental techniques used in the estimation of atmospheric pollutants, air pollutants from industrial and other sources, air pollution from automobiles, air pollution control.	
<b>(B) Water Pollution</b>	
Introduction, classification of water pollutants - organic wastes - oxygen demanding wastes, disease causing wastes, synthetic organic compounds, sewage and agricultural run-off, oil; inorganic pollutants, suspended solids and sediments, radioactive materials, heat, characterisation of wastewaters - physical characteristics, chemical characteristics, biological characteristics, methods and equipment used in waste-water treatment - preliminary treatment, primary treatment - sedimentation, coagulation, equalization, neutralization, secondary treatment- aerobic treatment - aerated lagoons, trickling filters, activated sludge process, oxidation ditch process, oxidation pond, anaerobic treatment - anaerobic sludge digestion, sludge treatment and disposal; Tertiary treatment - evaporation, ion-exchange, adsorption, chemical precipitation, Electrodialysis, Electrolytic recovery, Reverse osmosis, Wastewaters from some typical industries - Sources, characteristics, effects and treatment options : Textile industry, Paper and Pulp industry, Electro - plating industry : Leather tanning industry, Fertiliser industry, Dairy, Rubber, Soap, and Detergent industries, Canesugar, Edible oil refining and oil refinery. Water for municipal purposes, sewage treatment, Eutrophication. Fluoride problem in Drinking water.	

### **(C) Noise Pollution**

Introduction, The decibel scale, effects of noise - physiological effects - acute and chronic, psychological effects, noise control programme in industries- measurement of noise levels, noise control criteria- annoyance, interference with communication, hearing loss criteria, permissible exposure limits, equipment used for noise measurement - different types of meters and analysers, approaches for noise control, noise control in industrial establishments - administrative controls and engineering controls, suppression at source, path control, sound absorption, sound insulation, vibration control, acoustic enclosures, noise barriers, mufflers or silencers, acoustic plenums, vibration isolation, damping, lagging, protection of the personnel - ear plugs, ear muffs, helmets, personnel isolation, acoustical absorptive materials, noise sources and control in industrial plants.

### **(D) Soil Pollution**

Composition of the earth's crust, Formation of soil, Composition of soil, Importance of soil to the biosphere, soil profile, Types of soil texture, Major types of soils in our Country, Accumulation of Salts in soils, Soil indicator plants, Plants as pollution indicators, sources of soil pollution, Effects of soil pollution – Effects of modern agricultural practices, Synthetic fertilizers, Pesticides, Effects of Industrial effluents, Effects of urban wastes, Control of soil pollution.

### **(E) Marine Pollution**

Introduction, Source of marine pollution, Effects of marine pollution, Control of marine pollution.

### **(F) Thermal Pollution**

Introduction, Sources of thermal pollution, Effects of thermal pollution, Control of thermal pollution.

### **(G) Nuclear Hazards (Pollution)**

Nuclear hazards, Sources of radio active pollution, Damages to a biological systems; Hazards associated with Radioactive Pollution, Control of radio-active pollution.

## **3. SOLID WASTES - POLLUTION, TREATMENT AND DISPOSAL 132-147**

Introduction, classification and origin, magnitude of the problem, characteristics of solid wastes, objectives and considerations in solid waste management, methods of solid waste treatment and disposal, microbiology involved in solid waste disposal, Methods of solid waste disposal - composting, sanitary landfilling- economic, aesthetic and environmental problems, thermal processes -incineration, pyrolysis, recycling and reuse of solid wastes, co-disposal, bioconversion.

## **4. HAZARDOUS WASTES 148-158**

Introduction, classification, radioactive wastes, effects of radiation on living cells, environmental problems and management of nuclear wastes, bio-medical wastes, chemical wastes-environment effects, love canal episode, toxic chemicals, identification of hazardous wastes, management of hazardous wastes, treatment and disposal of hazardous chemical wastes-physical, chemical and biological processes, off-site hazardous waste disposal, co-disposal, security landfill.

- 5. TRACE ELEMENTS - POLLUTION & CONTROL** **159-186**
- Introduction, Mechanism of distribution - primary, secondary and tertiary dispersion, Essential and non-essential trace elements, physiological role of trace metals, trace elements in marine environment, heavy metals, Industrial uses and pollution sources, Environmental levels, Ecological effects, Bio-chemical effects, Toxicology, environmental fate, control and treatment of the following trace elements : Mercury (Hg), Cadmium (Cd), Lead (Pb), Chromium (Cr), Zinc (Zn), Copper (Cu), Arsenic (As), Nickel (Ni), Selenium (Se), Tin (Sn), Antimony (Sb), Fluorine (F), Beryllium (Be), Cobalt (Co), and Manganese (Mn).
- 6. NATURAL RESOURCES** **187-240**
- Natural Resources**
- Renewable and non-renewable resources, Natural resources and associated problems, Forest resources, Water resources, Mineral resources, Geological cycles, Food resources, Energy resources, Land resources, Role of an individual in conservation of natural resources, Equitable use of resources for sustainable life style.
- 7. ENERGY AND ENVIRONMENT** **241-260**
- Sources of energy, Fossil fuels, Nuclear fission and fusion, Solar energy, Use of solar energy in space heating and water heating, Production of electricity using solar energy, Solar trough collectors, Power tower, Solar pond, Solar energy for driving vehicles, Power from indirect solar energy – Hydro power, Wind power, Biomass energy, Production of ethanol from biomass, Production of methane from biomass, Photosynthesis, Photoelectrochemistry, Geothermal energy, Ocean thermal energy conversion (OTEC), Tidal power, Air energy, Conclusion.
- 8. ECOSYSTEMS** **261-288**
- Concept of an ecosystem, Structure and function of an ecosystem, Producers, consumers and decomposers, Energy flow in the ecosystem, Ecological succession, Food chains, food webs and ecological pyramids, Introduction, types, characteristic features, structure and function of the following ecosystem :
- (a) Forest ecosystem  
 (b) Grassland ecosystem  
 (c) Desert ecosystem  
 (d) Aquatic ecosystems
- 9. GENETIC AND PLANT BIODIVERSITY** **289-302**
- Introduction, Environment and Ecology, Biotic and abiotic environment, Organisation of Ecosystem – producers, consumers, decomposers, Biodiversity, Assessment of biological diversity, Importance of biodiversity; Loss of Biodiversity - Major causes responsible for reduction in Biodiversity – Natural upheavals, environmental pollution, Invasion by exotic species, over-exploitation of selected species; Conservation of Biological Diversity – Biodiversity inventories, Conserving Biodiversity in protected habitats, “Ex-situ” conservation, “In-situ” conservation, conserving biodiversity in seed-banks, gene-banks, and germ-plasm banks, Restoration of Biodiversity, Imparting Environmental Education; Enacting, Strengthening and Enforcing Environmental Legislations; Population control; Reviewing the agricultural practices, controlling urbanisation.

- 10. BIO-TECHNOLOGY AND ITS APPLICATION IN ENVIRONMENTAL PROTECTION** **303-308**  
 Introduction, Bio-informatics, Bio-Technology and pollution control, Bioremediation, Biological de-odourisation, Biological purification of contaminated air.
- 11. ENVIRONMENTAL MANAGEMENT** **309-326**  
 (A) Introduction, Objectives, Components, Environmental Impact assessment (EIA) – Historical background, Elements of the EIA process, Participants in EIA Process, Contents of EIS, Design of EIA  
 (B) Some Important Environmental Laws  
 1. The Wildlife (Protection) Act, 1972 (Amended in 1983, 1986 and 1991)  
 2. The Forest Conservation Act, 1980  
 3. The Water (Prevention and Control of Pollution Cess) Act, 1974 (Amended in 1988)  
 4. The Water (Prevention and Control of Pollution Cess) Act, 1977 (Amended in 1991)  
 5. Air Prevention and Control of Pollution) Act, 1981 (Amended in 1987)  
 6. The Environment (Protection) Act, 1986.  
 (C) Environmental Quality Management Standard–ISO-14000 series. Worldwiews, Assessment of environment and ISO–1400. Kyoto Protocol envisages three mechanisms to address the concerns. Introduction of ISO–1400 and its series.
- 12. SOCIAL ISSUES AND THE ENVIRONMENT** **327–370**  
 From unsustainable to sustainable development, Urban problem related to energy, Water conservation, Resettlement and rehabilitation of people, Environment ethies, Climate change, Wasteland reclamation, Consumerism and waste products, Issues involved in enforcement of environment legislation, Public awareness, (i) Role of NGO (ii) Women Education (iii) Environmental Education.
- 13. HUMAN POPULATION AND THE ENVIRONMENT** **371–410**  
 Population explosion-family welfare programme, Environment and human health, Human rights, Value education, HIV/AIDS, Women and child welfare, Role of information technology in environment and human health, Human activities & Environment. (ii) Automobile Pollution.
- 14. EFFECTS OF ELECTRIC AND MAGNETIC FIELDS IN THE ENVIRONMENT** **411-425**  
 Introduction, Regions in the electromagnetic spectrum, Health effects due to electromagnetic fields, Effect of exposure to extremely low frequencies (ELF) on humans and animals, Occupational exposure, ELF magnetic and electric fields on experimental animals, Radio frequency (RF) and Microwave radiation (MR) and their biological effects, EMR and Cancer, Epidemiological studies, Studies on animals, “in-vitro” studies, Control measures, Conclusion, Biological effects of ultraviolet radiation, Biological effects of laser radiation, Sources of electric and magnetic fields, Electromagnetic fields–Quasistatics and Electro-dynamics, Fields from power lines, Electric railways, Radiation fields, Field concentration, Power frequency fields and the body, Typical standards, Limits of exposure to electric and magnetic fields as

(xii)

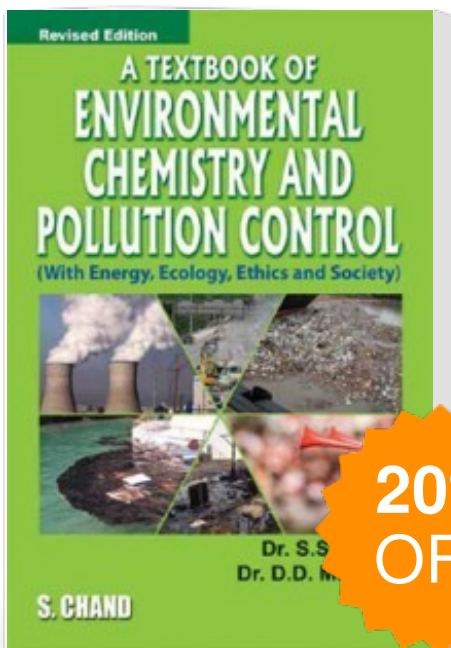
per IRPA/INIRC, Guidelines for exposure limits at Radio and Microwave-Frequencies, Conclusion.

<b>15. SUSTAINABLE DEVELOPMENT : NEW APPROACHES</b>	<b>426-445</b>
Pollution prevention, Design for Environment, Industrial ecology, Green chemistry, Emerging technologies, Total quality management (TQM), Life cycle analysis (LCA), Preventive environmental management (PEM), IS 15001 : 2000 Regulations on occupational safety and health (OSH), Energy utilization : Introduction, Basic principles, Heat engines, Heat engine efficiency, combined cycle power plants, Heat pumps, Geothermal heat pumps, Cogeneration, Entropy and chemical energy, Fuel cells, proton exchange membrane (PEM) fuel cell, Electricity storage, Hydrogen economy, Dematerialization, Conclusion.	
<b>16. GREEN CHEMISTRY FOR CLEAN TECHNOLOGY</b>	<b>446-465</b>
Introduction, Goals of Green Chemistry, Significance of Green Chemistry, Basic Components of Green Chemistry Research, Alternative feedstocks of starting materials, Alternative reagents or transformation, Alternative reaction conditions, Alternative products or target molecules, Atom economy, Functional group approaches to green Chemistry, Structure-Activity relationship, Elimination of toxic functional group, Reducing the bio-availability, Optimization of Frameworks for the Design of Greener Systematic Pathways, Industrial Applications of Green chemistry, Products from natural materials, Green solvents, Ionic liquids, Green fuels and E-Green propellents, Zeolites, Biocatalysis, Conclusion.	
<b>17. ETHICS AND MORAL VALUES</b>	<b>466-499</b>
Ethics, Moral Values, Professional ethics, Environmental ethics, Current ethical issues, Ethical situations, Moral situation, Role morality & Conflicts, Non-Professional, Quasi – Professional and Hard Professionals, Values, Policies and organizations culture, Different ethical values criteria like utilitarian, Virtue, Rights & Duties Ethics, Codes of ethics and their limitations, Institute of Engineer & code for corporate member, IEEE and ACM Professional code.	
<b>Appendix-1.</b> Rio–Declaration on Environment and Development (Earth Charter) <b>Appendix-2</b> Drinking water standards <b>Appendix-3.</b> National Ambient Air Quality Standards, <b>Appendix-4.</b> Standards for noise levels. <b>Appendix-5.</b> standards for discharge of Industrial and Sewage Effluents. <b>Appendix-6.</b> Standards of Maharashtra Pollution Control Board for treated Waste water.	
<b>APPENDICES</b>	<b>500–511</b>
<b>BIBLIOGRAPHY</b>	<b>512-515</b>
<b>INDEX</b>	<b>516-521</b>





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Author : Dr. S. S. Dara, Dr.  
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