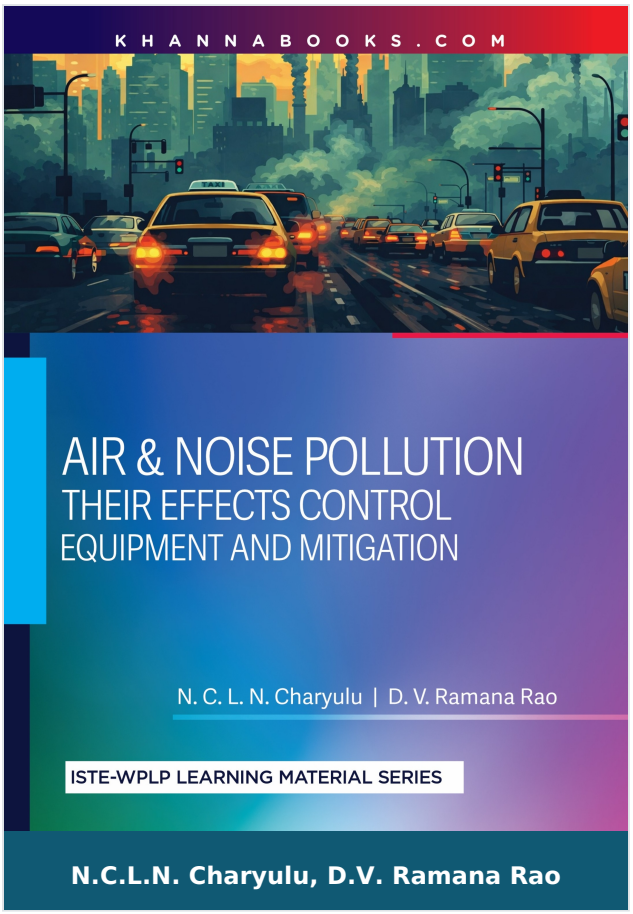

Air & Noise Pollution Their Effects Control Equipment and Mitigation

Author :	N.C.L.N. Charyulu, D.V. Ramana Rao
ISBN 13 :	978-93-74549-21-6
ISBN 10 :	9374549212
E-ISBN 13 :	978-93-74549-21-6
Edition :	First
Pages :	152
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	Environmental Engineering, New Arrivals, 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

Air & Noise Pollution Their Effects Control Equipment and Mitigation

Industrial activities especially after the Industrial revolution all over the world have led to environmental problem by excessive consumption of resources and release of deleterious effluents, emissions and residues. Among the various aspects of pollutants, air, water noice are inherent characteristics, in contributing pollution in process industries. Air pollution in the form of particulates and gases are emanated from chemical and other process industries. Biological material from agricultural and other natural Phenomena are introduced or inserted into the atmospheric air.

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

Table Of Contents

- FOREWORD
- PREFACE
- Air Pollution and its sources
- Global and Indian Scenarios of Air Pollution
- Theoretical Aspects Related to Air Pollution
- Health Effects Due to Air Pollution
- Standards for Air Pollution Control
- Sources Harmful Effects and Mitigation of Air Pollutants
- Equipment for Air Pollution Control - Design, Operation and Maintenance
- Base Line Date, Air Monitoring Devices and GIS
- Noise Pollution Its Sources and Standards
- Noise Abatement Measures
- Nanoparticle Emissions and Protective Controls
- Emerging Technologies for Particulate and Gaseous Emissions

Author

N.C.L.N. Charyulu

N.C.L.N. CHARYULU obtained B.Tech. (Chem Engg) from Andhra University in 1963 M. Tech. (Chem. Engg) with specialization in Chemical Plant Design, from IT Kharagpur, in 1967 (Technical Teacher Trainee) and Ph.D. (Chem Engg) from I.I.Sc., in 1977. Joined Karnataka Regional Engineering College, KREC Surathkal (presently renamed as National Institute of Technology Surathkal) as lecturer in 1967. Served in different capacities as Asst. Prof. Professor, Head of Chemical Engineering Department and Dean Students Affairs. Taken voluntary retirement in March, 2001 and joined Chaitanya Bharathi

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

Institute of Technology (CBIT). Served as Prof and Head Chem Engg Dept., CBIT bill May, 2010. Total teaching experience of 46 Y (1954- 2010) He was awarded National Biotechnology Associate for One Year (1988-89) during which he was a visiting professor at Fermentation Technology and Bioengineering CFTRI, Mysore, in the Biotechnology associate ship programme. May-Nov 1990. he spent 3 months at NCSU, Raleigh, N.C., USA, another 3 months at UM.C.. USA, and Indian Secondment Visiting Professorship for one semester 1996-97 at School of Environment Resource Development, Asian Institute of Technology. Bangkok Thailand. He has Coordinated two I.S.TE. sponsored Winter Summer Schools a) Fluidization Engineering 1980 b) Bioconversion process optimization computer modeling-1989 and two refresher courses to working professionals a) Application of Chem. Eng. principles to Urea plant operators of MCF, Panambur 1993 and b) Unit operations for design, production and maintenance personnel in cement and mineral based industries October 20-25, 2008. He guided four theses for Ph.D. a) Biosynthesis of Cellulase enzyme and Modeling, 1994. b) Bioremediation of industrial and domestic effluents by microorganisms 1999. c) Studies on biodegradation of high BOD effluent by anaerobic digestion and modeling 2001. d) Study of Coagulation flocculation Process by polyelectrolytes for effective solid-liquid separation in water and wastewater treatment 2005. In addition he has guided over 20 M. Tech, theses. His areas of specialization are: Chemical plant design, Chemical reaction engineering, Enzyme synthesis, Bioremediation, Biosynthesis and Bioconversion, Simulation & Computer Modeling. Application of Science and Technology to Rural areas for utilization of Agro wastes, Environmental Impact Assessment, Environment Management Planning. He published about 15 technical papers in International and national journals and seminars/symposia. He delivered number of invited lectures. He was a chairman and/ or member of several academic bodies of different Universities-Mysore, Bangalore, Mangalore, Osmania, Kuvempu etc. Dr.

D.V. Ramana Rao

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

Dr. D.V. Ramana Rao received his B.SC. (Hons) and M.Sc. in Chemical Technology from Andhra University and Ph.D. in Chemical Engineering from Indian Institute of Technology, Madras in 1970. He worked as a Research Associate, as part of post doctoral work at DECHEMA- Institute, Frankfurt, Germany in the field of corrosion for two years. Before joining Ph.D., he worked in Andhra University, I.I.T., Kanpur, and in the Chemical Engineering Department of National Sugar Institute as a lecturer. After from Germany, he joined as a Scientist at senior level in National Council for Cement and Building Materials (NCB), [formerly known as Cement Research Institute of India], New Delhi and retired as Joint Director, after working for 26 years. After retiring from NCB, he worked as Professor & Head of Chemical Engineering Department of BVRIT, Hyderabad and IS Sadan College of Engg and Technology. Hyderabad (present Boji Reddy College of Engineering) nearly for 2 years. At present he is the Managing partner of Institute of Particulate Technology International (IPT) from June 2004, which carries sponsored research work, training programmes for working personnel in Industry and Consultancy. He has authored 21 research papers, published in international, national journals and international seminars. He has to his credit 2 patents. He has prepared 15 technical reports of R&D work and coordinated more than 30 training programmes and 4 workshops to working personnel in cement manufacturing industries. At present as a managing partner of IPTI, he has carried out 7sponsored projects and two training programmes to working personnel in cement and pharmaceutical Industry.

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