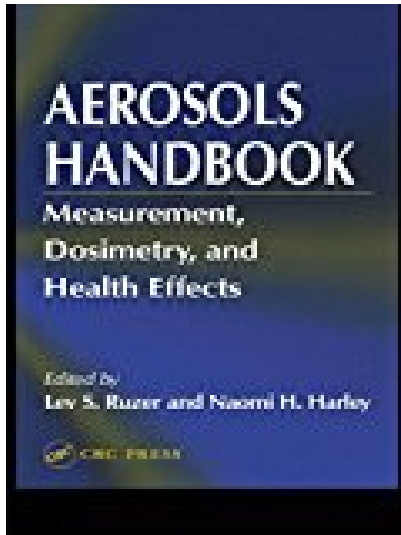


# Aerosols Handbook Measurement Dosimetry and Health Effects

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## BOOK DETAILS

- Author :
- Pages : 728 Pages
- Publisher : CRC Press
- Language : English
- ISBN : 1566706114

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## **BOOK SYNOPSIS**

As more attention is dedicated to understanding the occupational health risks associated with the industrial manufacture and use of nanotechnology, *Aerosols Handbook: Measurement, Dosimetry, and Health Effects* is a timely presentation of time-tested research in the field of aerosol science. The book covers a multitude of topics in indoor, outdoor, and industrial aerosols, including aerosol measurement, deposition, particle size distribution, and biokinetic processes. Where harmful exposure to ultrafine particles may occur through inhalation, dermal contact, and ingestion, this book discusses how the size, shape, and chemical properties of particles affect aerosol deposition in the lungs, possibly other organs, and the overall toxicity. The book covers all relevant aspects of aerosols, from epidemiology to molecular biology, and emphasizes the importance of accurate aerosol measurement. The authors discuss Chernobyl accident and miners lungs in detail to illustrate the effects of radioactive aerosols. The final section focuses on the health effects of specific aerosols, such as diesel aerosols and ultrafine particles. By converging research from both radioactive and non-radioactive aerosols, the editors give the book a unique and more complete perspective of how aerosols behave in the lungs. *Aerosols Handbook: Measurement, Dosimetry, and Health Effects* is an essential resource for those who study exposure, dosages, and toxicity to develop treatments for exposure, reduce air pollution, and establish better safety regulations, particularly in industries using nanotechnologies.

### **AEROSOLS HANDBOOK MEASUREMENT DOSIMETRY AND HEALTH**

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