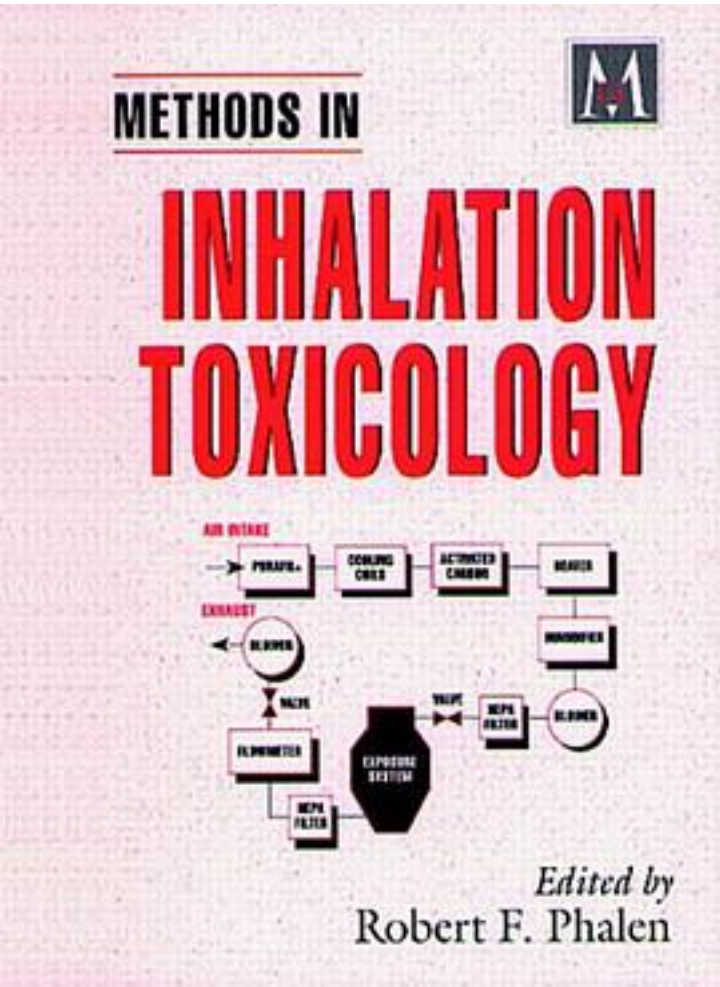


Methods in Inhalation Toxicology



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Conducting studies of natural and man-made air contaminants is a specialized research activity that draws upon skills from a variety of disciplines including

toxicology, pharmacology, industrial hygiene, and environmental health. "Methods in Inhalation Toxicology" describes how knowledge from these disciplines is integrated into the design and conduct of inhalation studies. Each of the vital aspects of conducting these studies is discussed in detail, including the use of animal subjects and the related quality control and ethical considerations, air purification methodology, exposure atmosphere generation and characterization, inhalation exposure systems, and real-time and post-exposure biological assessments. These methods will enable you to conduct inhalation studies, easily adding any specific measures of particular interest to your research. The book covers techniques needed to: provide suitable clean air for experiments correctly; generate the particles and gases being studied; select the proper exposure system; monitor the exposure; prepare tissues for study; and, ensure that animals do not have confounding lung disease. The helpful descriptions and detailed lists of suppliers of preferred equipment and materials will help you to perform valid, reproducible inhalation toxicology studies. "Methods in Inhalation Toxicology" is a perfect textbook for students in toxicology programs, as well as for scientists who conduct inhalation studies in both academic and industrial environments.

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目录:

[Methods in Inhalation Toxicology_ 下载链接1](#)

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