

Guide to Industrial Drying, 3rd Enhanced Revised Edition, 371 pp, 2008 Arun S. Mujumdar

This book is third enhanced and updated version of the original Guide published in 2000. It is designed to bridge the gap between textbooks and handbooks on drying. It is a concentrated distillate of only the most relevant material that a practicing engineer or scientist needs to know. It serve as a guide to the student of drying in any engineering discipline as well as a primer to the industrial practitioner who wishes to get a quick overview of the topics covered without getting bogged down with details and mathematical analysis. Researchers will find that it gives them some breadth in the field with minimal expenditure of time and effort. The objective of this book is to compile useful information on drying, which is often widely scattered and hard to access, and make it available inexpensively to en gineers in industry and academia.

Prof. Arun S. Mujumdar is one the most prolific researchers and writers on industrial drying technology. This book contains selected works of his and his research group that are deemed to be of general interest to a broad spectrum of engineers and technologists involved in this field. The book has seventeen chapters which include the following topics:

Fundamentals and basic principles Industrial dryers, classification and selection Innovation in drying and future trends

Emerging drying technologies: superheated heated steam drying, new spray drying, pulse combustion drying, heat pump assisted drying, vacuum and atmospheric freeze drying

Drying of a variety of materials: pharmaceutics, fruits and vegetables, coal, foods

Quality and energy aspects in drying Software for drying and more Global Drying R&D

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