

Research Methods and Applications in Chemical and Biological Engineering

This research-oriented book presents up-to-date experimental methods currently used in research for many branches of chemical and biological engineering. The book surveys essential ideas and research methodologies, concentrating on experiments used in applications rather than on the fine points of rigorous mathematics. Examples of important applications are reviewed in sufficient detail to provide the reader with a critical understanding of context and research methodology. The volume presents a broad spectrum of chapters in the various branches of chemical and biological engineering that demonstrate key developments in these rapidly changing fields. Chapters explore the design, development, operation, monitoring, control, and optimization of chemical, physical and biological processes. Case studies are included in some chapters, building a real-world connection.

ABOUT THE EDITORS

Ali Pourhashemi, PhD, is currently a professor of chemical and biochemical engineering at Christian Brothers University in Memphis, Tennessee. He was formerly the department chair there and also taught at Howard University in Washington, DC. He is a member of several professional organizations, including the American Institute of Chemical Engineers. He is on the international editorial review board of the *International Journal of Chemoinformatics and Chemical Engineering* and is an editorial member of the *International Journal of Advanced Packaging Technology*. He has published many articles and presented at many professional conferences.

Sankar Chandra Deka, PhD, is a professor in the Department of Food Engineering and Technology, Tezpur University Assam, India. He has more than 29 years of teaching and research experience. He has successfully handled many research projects funded by various funding agencies and has published almost 100 research papers in journals of national and international repute and about 20 book chapters. He is one of the editors of the forthcoming book *Processing, Technologies and Functionality of Foods*, to be published by Apple Academic Press.

A. K. Haghi, PhD, is the author and editor of 165 books, as well as 1000 published papers in various journals and conference proceedings. Dr. Haghi has received several grants, consulted for a number of major corporations, and is a frequent speaker to national and international audiences. Since 1983, he served as professor at several universities. He is the former Editor-in-Chief of the *International Journal of Chemoinformatics and Chemical Engineering* and *Polymers Research Journal*. He is also a member of the Canadian Research and Development Center of Sciences and Cultures, Montreal, Quebec, Canada.

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