

Laboratory Automation in the Chemical Industries

David G. Cork, Tohru Sugawara (Eds.); Marcel Dekker, New York, 2002, 368 pp, \$ 165.

Automation is now used in a wide variety of ways in the chemical industries. 13 contributors from university, fine chemical and pharmaceutical industry present 11 chapters divided into two parts:

Part I is devoted to chemistry discovery and part II to process chemistry.

Contents**Part I:**

1. Robotic Workstations and Systems
2. Nonrobotic Automated Workstations for Solution Phase Synthesis.
3. An Automated Microscale Chemistry Workstation Capable of Parallel Adaptive Experimentation
4. Automated Purification Systems
5. Parallel Purification
6. Future Prospects for Automation in Chemistry Discovery.

Part II:

7. Laboratory Information Management Systems for Laboratory Automation of the Chemicals Industries.
8. Design of Chemical Processes for Automated Synthesis.
9. Optimization of Organic Process Chemistry.
10. Automated Calorimetry in Process Development
11. Parallel Automation for Chemical Analysis.

The editors gathered chapters to give a comprehensive coverage of automation related to chemistry in industry, with the exception of the screening stage.

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