This book is intended as a survey of research techniques used in modern chemistry, materials science, and nano science. The topics are grouped, not by method *per se*, but with regard to the type of information that can be obtained.

- Front Matter
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- 1: Elemental Analysis
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- 2: Physical and Thermal Analysis
- 3: Principles of Gas Chromatography
- 4: Chemical Speciation
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- 5: Reactions Kinetics and Pathways
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- 6: Dynamic Processes
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- 7: Molecular and Solid State Structure
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- 8: Structure at the Nano Scale
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- 9: Surface Morphology and Structure
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- 10: Device Performance