

CONTENTS

| | |
|--|-----|
| Preface | vii |
| 1. Particle Size Analysis by chromatography | 1 |
| 2. Size Exclusion Chromatography of Model Latices : A Feasibility Study | 27 |
| 3. Particle Size Analysis Using Size Exclusion Chromatography | 47 |
| 4. Exclusion Chromatography Analysis of Latex Solutions for Monitoring Nitrile Resin Polymerizations | 77 |
| 5. Polymer Viscosity Characterization by Size Exclusion | 91 |
| 6. Characterization of Branched Polymers by Size Exclusion Chromatography with Light Scattering Detection | 107 |
| 7. The Molecular Weight and Branching Distribution Method | 131 |
| 8. High-Conversion Polymerization Kinetic Modeling Utilizing Gel permeation Chromatography | 149 |
| 9. Molecular Weight and Peak Broadening Calibration in Size Exclusion Chromatography : Use of Multiple Broad Molecular Weight Distribution Standards for Linear Polymers | 183 |
| 10. Effect of Solute Shape or Conformation in Size Exclusion Chromatography | 197 |
| 11. High-Performance Gel Permeation Chromatography Characterization Of Oligomers Used in Coatings Systems | 207 |
| 12. Size Exclusion Chromatography of Some Reversed Micellar Systems | 225 |
| 13. Polymerization and Dilute Solution Characterization of Poly (dichlorophosphazene) | 239 |
| 14. Characterization of Poly (dichlorophosphazene) by Gel Permeation Chromatography | 255 |
| 15. Optimization of Peak Separation and Broadening in Aqueous Gel Permeation Chromatography : Nonionic Polyacrylamides | 267 |
| 16. Biological Applications on Spherogel TSK-SW-Type Gel : A New High-Performance Support for Aqueous Size Exclusion Chromatography | 285 |

| | |
|---|-----|
| 17. Use of Sephadex Gels with Aqueous Pyridine Solvent to Determine Purity Levels of Hydrophilic Polymeric Dyes Containing Hydrophobic Impurities | 297 |
| Index | 305 |