

# Contents

*Preface* iii

*Contributors* ix

1. Wetting of Low-Energy Surfaces 1  
*Rulon E. Johnson, Jr. and Robert H. Dettre*
2. Role of Acid–Base Interactions in Wetting and Related Phenomena 75  
*John C. Berg*
3. Wetting by Solutions 149  
*Arijit Bose*
4. Interfacial Chemistry in Biomaterials Science 183  
*Erwin A. Vogler*
5. Dynamic Contact Angles and Wetting Kinetics 251  
*Terence D. Blake*
6. Hydrodynamics of Wetting 311  
*Stephan F. Kistler*
7. Role of Solid/Solid Wetting in Catalysis 431  
*Edmond I. Ko*

8. High-Temperature Wetting Behavior of Inorganic Liquids 465  
*Brian J. J. Zelinski, John Paul Cronin, Matthew Denesuk, and  
Donald R. Uhlmann*

*Index* 525