

# Contents

<b>Polyelectrolyte: Thermodynamics and Rheology</b> . . . . .	1
Visakh P.M.	
<b>Structure and Thermodynamics of Polyelectrolyte Complexes</b> . . . . .	19
Johannes Frueh, Meiyu Gai, Simon Halstead and Qiang He	
<b>Polyelectrolyte: Science and Application</b> . . . . .	87
Emel Akyol, Semra Kirboga and Mualla Öner	
<b>Biological Polyelectrolytes: Solutions, Gels, Intermolecular Complexes and Nanoparticles</b> . . . . .	113
H.B. Bohidar and Kamla Rawat	
<b>Polyelectrolyte Hydrogels: Thermodynamics</b> . . . . .	183
Xue-Song Jiang, Mohit Philip Mathew and Jian Du	
<b>Thermodynamic and Rheological Properties of Polyelectrolyte Systems</b> . . . . .	215
Ruben H. Manzo, Alvaro F. Jimenez-Kairuz, María E. Olivera, Fabiana Alovero and María V. Ramirez-Rigo	
<b>Complexes Formation Between Proteins and Polyelectrolytes and Their Application in the Downstream Processes of Enzyme Purification</b> . . . . .	245
Ph Guillermo Alfredo Picó and Bc Nadia Woitovich Valetti	
<b>Polyelectrolyte Complexes</b> . . . . .	275
Rita S. Dias and Bjørn Torger Stokke	

<b>Stratified Interpolyelectrolyte Complexes: Fabrication, Structure and Properties</b> . . . . .	299
Eduardo Guzmán, Marta Ruano, Francisco Ortega and Ramón G. Rubio	
<b>Monte Carlo Studies in Polyelectrolyte Solutions: Structure and Thermodynamics</b> . . . . .	349
Claudio F. Nambuenha and Ezequiel P.M. Leiva	

Polyelectrolytes

Thermodynamics and Rheology

P. M., V.; Bayraktar, O.; Picó, G. (Eds.)

2014, XII, 379 p. 146 illus., 37 illus. in color., Hardcover

ISBN: 978-3-319-01679-5