

---

# Contents

<b>Polyester in Higher Plants</b>	
P. E. Kolattukuday . . . . .	1
<b>Polyesters from Microorganisms</b>	
Y. B. Kim, R. W. Lenz . . . . .	51
<b>Biochemical and Molecular Basis of Microbial Synthesis of Polyhydroxyalkanoates in Microorganisms</b>	
A. Steinbüchel, S. Hein . . . . .	81
<b>Physiology, Regulation and Limits of the Synthesis of Poly(3HB)</b>	
W. Babel, J.-U. Ackermann, U. Breuer . . . . .	125
<b>Production of Microbial Polyesters: Fermentation and Downstream Process</b>	
B. Kessler, R. A. Weusthuis, B. Witholt, G. Eggink . . . . .	159
<b>Production of Microbial Polyester by Fermentation of Recombinant Microorganisms</b>	
S. Y. Lee, J. Choi . . . . .	183
<b>Production of Polyesters in Transgenic Plants</b>	
Y. Poirier . . . . .	209
<b>In vitro Biosynthesis of Polyesters</b>	
S. Kobayashi, H. Uyama . . . . .	241
<b>Properties, Modifications and Applications of Biopolyesters</b>	
G. A. M. van der Walle, G. J. M. de Koning, R. A. Weusthuis, G. Eggink . . . .	263
<b>Microbial Degradation of Polyesters</b>	
D. Jendrossek . . . . .	293
<b>Author Index Volumes 51–71</b> . . . . .	327
<b>Subject Index</b> . . . . .	335

Biopolyesters

Babel, W.; Steinbüchel, A. (Eds.)

2001, IX, 342 p. 62 illus., Hardcover

ISBN: 978-3-540-41141-3