

Special Issue Reprint

Bio-Based Polymeric Films

www.mdpi.com/books/reprint/6421

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ISBN 978-3-0365-5938-4 (Hardback)

ISBN 978-3-0365-5937-7 (PDF)



These days, massive consumer demands for short-term single-use plastic materials have produced huge plastic waste, which in turn has created tremendous environmental pollution. Biodegradable polymers or biopolymers can be used to develop alternatives to synthetic petroleum-based plastics. Different sources of biopolymers, like carbohydrates, proteins, and lipids, as well as biodegradable polymers such as polyesters, polyamides, polyurethanes, etc., have been utilized recently to make environmentally benign biodegradable plastic.

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