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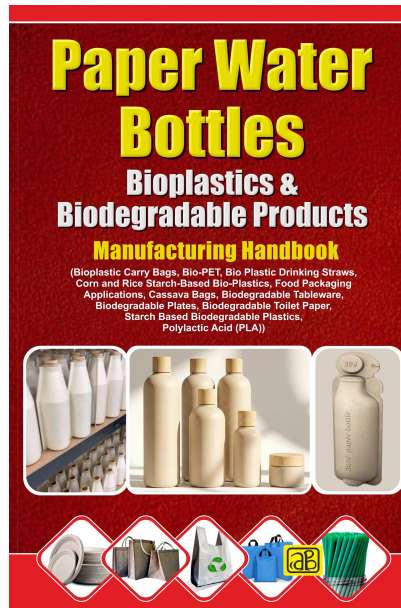
106-E, Kamla Nagar, New Delhi-110007, India.

Tel: 91-11-23843955, +91 9097075054

Mobile: +91-9097075054

Email: npcs.ei@gmail.com, info@entrepreneurindia.co

Website: www.entrepreneurIndia.co



Paper Water Bottles, Bioplastics & Biodegradable Products Manufacturing Handbook

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Description

Paper Water Bottles, Bioplastics & Biodegradable Products Manufacturing Handbook

(Bioplastic Carry Bags, Bio-PET, Bio Plastic Drinking Straws, Corn and Rice Starch-Based Bio-Plastics, Food Packaging Applications, Cassava Bags, Biodegradable Tableware, Biodegradable Plates, Biodegradable Toilet Paper, Starch Based Biodegradable Plastics, Polylactic Acid (PLA))

Plastic pollution is one of the biggest environmental problems today. Every year, millions of tonnes of single-use plastic end up in landfills and oceans, harming wildlife, ecosystems, and even human health. The good news is that better alternatives are now available. Bioplastics and biodegradable products can perform the same functions as regular plastics but break down naturally without leaving harmful waste.

The market for these eco-friendly materials is growing quickly around the world, and India is becoming an important player in both production and consumption. Demand is increasing in areas like food packaging, retail, agriculture, healthcare, and consumer goods. Many Indian manufacturers, small businesses, and exporters are now using biodegradable materials, supported by government rules that limit the use of traditional plastics. Globally, there is also a strong demand for certified biodegradable products, making this a fast-growing and profitable industry.

A major focus of the book is on sustainable packaging, especially paper water bottles. These bottles are becoming a popular and eco-friendly alternative to plastic water bottles due to increasing environmental awareness, strict rules against single-use plastics, and growing demand from customers and beverage companies. The book highlights their strong business potential, easy scalability, and wide market acceptance, making them an important product for the future of green manufacturing.

This book provides clear and detailed information about the biodegradable plastics industry, including its growth, challenges, and environmental impact. It covers many products such as carry bags, bottles, straws, food packaging, cassava bags, plates, tableware, and even biodegradable toilet paper. It also explains key materials like PLA, PHAs, and starch-based plastics made from corn, rice, wheat, and potato waste. Along with this, the book includes practical details like manufacturing processes, plant layouts, flow charts, and machinery information, which are very helpful for setting up or improving a production unit.

This handbook is an essential resource for students, researchers, process engineers, startup founders, entrepreneurs, manufacturers, and exporters seeking authoritative, actionable knowledge in the field of sustainable materials and biodegradable product manufacturing. It serves as both a reliable academic reference and a practical industrial guide for those committed to building responsible, future-ready manufacturing enterprises.

Content

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About Niir

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