

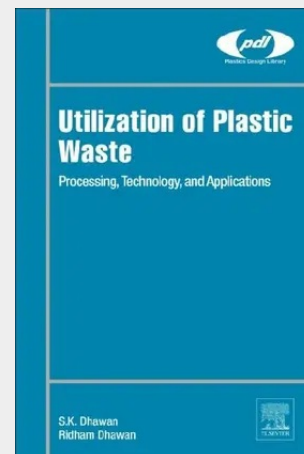
Utilization of Plastic Waste

Processing, Technology, and Applications

Utilization of Plastic Waste: Processing, Technology, and Applications compiles the latest advances in the utilization of plastic waste, explaining the processing methods and technology behind a range of applications. Chapters cover the types of solid waste, the sources of plastic waste, mechanical and chemical recycling possibilities, key principles, strategies and policies for plastic waste management, treatment methods, the steps involved in the recycling and re-utilization of plastic waste, specific uses for waste plastic, and future directions for these innovative technologies. This is an essential source of information for waste management and recycling professionals, engineers, manufacturers, scientists and R&D professionals in the plastics industry. In addition, government officials, regulators, NGOs, researchers, and graduate and postgraduate students across plastics engineering, waste management, sustainability, packaging, polymer science, chemical engineering, processing technology, and environmental science will find this to be a comprehensive resource.

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- Presents novel methods for the treatment and processing of plastic waste- Demystifies the utilization of plastic waste for composite tiles, conversion to fuels, road construction and carbon nanotubes- Considers the potential implementation of developing technologies, supporting further innovation and increased re-use of plastic waste



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