

## Preface

Plastic recycling is the processing of plastic waste into other products. Recycling can reduce dependence on landfills, conserve resources and protect the environment from plastic pollution and greenhouse gas emissions. Recycling rates lag behind those of other recoverable materials, such as aluminium, glass and paper. From the start of plastic production through to 2015, the world produced around 6.3 billion tonnes of plastic waste, only 9% of which has been recycled and only ~1% has been recycled more than once. Of the remaining waste, 12% was incinerated and 79% was either sent to landfills or lost to the environment as pollution.<sup>1</sup>

In the present book, ten typical literatures about plastic waste management published on international authoritative journals were selected to introduce the worldwide newest progress, which contains reviews or original researches on plastic waste management. We hope this book can demonstrate advances in plastic waste management as well as give references to the researchers, students and other related people.

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<sup>1</sup> [https://en.wikipedia.org/wiki/Plastic\\_recycling](https://en.wikipedia.org/wiki/Plastic_recycling)