

## Preface

A circular economy (CE), also referred to as circularity, is a model of resource production and consumption in any economy that involves sharing, leasing, reusing, repairing, refurbishing, and recycling existing materials and products for as long as possible. The concept aims to tackle global challenges such as climate change, biodiversity loss, waste, and pollution by emphasizing the design-based implementation of the three base principles of the model. The main three principles required for the transformation to a circular economy are: designing out waste and pollution, keeping products and materials in use, and regenerating natural systems. CE is defined in contradistinction to the traditional linear economy.<sup>1</sup>

In the present book, ten typical literatures about circular economy published on international authoritative journals were selected to introduce the worldwide newest progress, which contains reviews or original researches on circular economy. We hope this book can demonstrate advances in circular economy 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/Circular\\_economy](https://en.wikipedia.org/wiki/Circular_economy)