

Preface

A renewable resource (also known as a flow resource is a natural resource which will replenish to replace the portion depleted by usage and consumption, either through natural reproduction or other recurring processes in a finite amount of time in a human time scale. It is also known as non conventional energy resources. When the recovery rate of resources is unlikely to ever exceed a human time scale, these are called perpetual resources. Renewable resources are a part of Earth's natural environment and the largest components of its ecosphere. A positive life-cycle assessment is a key indicator of a resource's sustainability.¹

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

The Editorial Board of Academic Archives
Scientific Research Publishing
March 4th, 2026

¹ https://en.wikipedia.org/wiki/Renewable_resource