

Preface

This special edition focuses on sustainable materials and environmental technologies that address pressing global challenges related to resource efficiency and environmental protection. The volume is organised into two chapters, each highlighting a key area of research and practical application.

Chapter 1: Biobased and Naturally Derived Materials presents studies on materials obtained from renewable and natural resources. The contributions emphasise synthesis, processing, characterisation, and application of biobased materials, highlighting their potential to replace conventional materials and support sustainable development and circular economy principles.

Chapter 2: Wastewater Treatment and Water Purification, Waste Recycling addresses technologies and materials developed for environmental remediation and resource recovery. Topics include advanced water treatment methods, adsorption and membrane technologies, catalytic and biological processes, as well as innovative approaches to waste recycling and reuse.

The edition is designed as a valuable resource for researchers, engineers, and students seeking environmentally responsible technologies and a more sustainable future.