

# Preface

This special edition presents the latest research results in materials science, focusing on structural metals and bio-based materials.

The first chapter, Properties and Processing Technologies of Structural Metals delves into optimising steel hot forging and a technical review of progress towards machining of titanium alloy using CNC milling, etc.

The second chapter, Recycling and Applications of Bio-Based Materials is focused on a rapidly evolving technological segment of materials science: the wide application of bio-based materials in response to global environmental concerns and their role in sustainable development by reducing reliance on fossil-based resources.

This special edition is intended for engineers and researchers who seek to deepen their knowledge in the mentioned branches of materials science.