

# Preface

This special issue is devoted to the analysis of the latest engineering solutions in materials science and industrial technologies.

The first chapter studies the effect of wood sawdust and starch addition on the morphology, mechanical properties, and thermal properties of mullite-based porous ceramic filter used in the aluminium casting process and analyses the thermal decomposition of Indonesian natural dolomite in air.

The properties and synthesis methods of bio-reinforced composites, metal matrix composites and polymer composites are investigated in the second part.

Some methods and materials that can be used for wastewater treatment by using of moving bed biofilm reactor, fermentation of food waste and photocatalytic water treatment are discussed in the last chapter.

The presented special edition will be useful to specialists in materials science, metallurgy and environmental protection.