

# Preface

This special issue is dedicated to the analysis of the latest research results in applied and functional materials.

The first chapter contains articles presenting research results on mechanical properties, internal microstructure, features of production technologies, etc. of modern composite materials.

Powder metallurgical approaches for the synthesis of high entropy alloys and composites, technological features of production, analysis of microstructure and mechanical properties of finished materials are subjects of the second chapter.

The last chapter is dedicated to the investigation of properties and synthesis methods of functional materials that have a wide range of applications in engineering. Superconductors, ferromagnetic materials, soft magnetic materials, etc. are analysed here.

This special publication will be useful to specialists in applied materials science.