

# Preface

The special publication presented to your attention contains articles that reflect the latest research results in the field of materials science.

The articles from the first chapter analyse the mechanical properties, microstructure, and methods of synthesis and processing of various structural alloys, including high entropy alloys and superalloys.

The second last chapter is devoted to investigating materials' properties and modelling their behaviour in the processing, etc. using the latest methods of computational materials science.

This special edition will be helpful to researchers and engineers in the field of mechanical engineering.