

# Preface

The special issue contains articles that are dedicated to the analysis of the latest research results in the area of structural and functional materials and their processing and synthesis technologies, including methods of their applications in machinery and construction.

Dry electropolishing and induction hardening of steel, thermal behaviour of titanium alloy during powder bed fusion at various scan speeds and laser powers, die casting of soft ferromagnetic intermetallics, thermoelectric properties of annealed bilayer thin film and some aspects of research in the strength of materials and environmental sustainability are considered in this special collection.

The special part is dedicated to building materials (concrete, wooden materials) and the development of modern technologies in geotechnics and buildings.

This special edition will be helpful to specialists in machinery, construction and environmental engineering.