

# Preface

This special edition contains articles based on research results in properties and processing technologies of some structural metals and building materials.

The chip formation and shaping in milling machining, modelling of the turning process, dissimilar metal joining of double stainless steel to carbon steel, analysis of aluminium alloy milling, etc. are topics presented in the first chapter. Some articles in this chapter focused on the modelling of metal materials processing.

The second chapter contains research results on modern building materials based on industrial waste. Green building materials solve the problem of environmental safety and ensure the economic production of building materials at the same time.

The presented special edition will be useful to specialists in machinery and civil engineering.