

## Preface

This special collection is devoted to actual issues in developing machinery technologies and the implementation of sustainable development principles in the area of building materials and modern manufacture.

Analysis technologies of welding such as friction stir welding for dissimilar materials jointing is presented in the first chapter.

The development and application of green building materials are an important trend in the growth of modern construction. Along with the development of efficient production tools and supplies and waste management, this allows for the broad promotion of sustainability principles in modern construction and manufacturing. The analysis of the results of such engineering developments and research works is presented in the other two chapters.

The special edition will be useful to specialists in machinery and technologies of materials processing, development of green building materials and waste management activity.