

## **Preface**

Advanced technologies significantly accelerate the pace of development of modern production and allow to provide the efficient use of modern materials. Such technologies certainly include additive manufacturing and modern methods of using waste and environmentally friendly components to produce building materials. Many results of engineering research in these areas are presented in this collection. Published solutions in geotechnical engineering and the results of studies of the mechanical properties of building elements and structures will be of interest to the engineers of the construction industry. In this collection, the reader can also get acquainted with the latest achievements in the field of chemical technologies for the processing and synthesis of both conventional and nanostructural materials, as well as with the results of numerical studies of the properties of some composite materials using computational materials science methods.