

Preface

The presented special edition is dedicated to actual issues in the area of development, properties' research and treatment methods of recent structural materials.

The first chapter contains articles that analyse microstructure, mechanical properties and some processing technologies of structural metals used in machinery.

The wide range of biobased polymer and composite materials is investigated in the second chapter. The mechanical properties and some synthesis technologies of these materials are presented here.

Functional materials such as some metal oxides, zeolite and magnetic shape memory alloy for MEMS application are analysed in the third chapter.

The last chapter deals with materials and technologies for sustainable construction.

The presented special edition will be helpful to specialists in mechanical engineering, electronics, biomedicine and construction.