

Preface

This edition represents the results of scientific investigation and engineering analysis of materials' properties, possible conditions for their applications, and technologies for their synthesis and processing.

Readers can find a series of research results on properties and microstructure and the corrosion behaviour of structural steels and alloys.

The results of analysis of bio-based materials' properties and technologies of their biorefining will also be interesting to the audience. Wood raw and waste, birch plywood waste, and other cellulose-contained natural materials are regarded as raw materials for biorefinery technologies.

The research results on advanced building materials' properties and some technologies for their production are also represented in this edition.

This particular topic collection will be helpful not only to engineers but also to academic researchers and students.