

Preface

This edition represents to readers the wide series of research results on modern materials and also technologies of their synthesis and applications.

Readers will find studies on polymers and composites properties, functional nanomaterials, and materials for biomedical applications.

Examples of using the computational methods for the analysis of materials properties are collected in the separate section and will also be interesting for many researchers.

The wide use of additive manufacturing and the development of fuel cell technologies are the mainstream topics in modern machinery and energy supply. Some research results on these issues are presented in a special section of this publication.

The book will be interesting for many specialists whose activities are connected to materials and concerned technologies.