

Preface

The edition contains descriptions of the last research results and engineering achievements in applied materials science and various technologies of materials processing.

Modern cement-based composite materials are successfully used in construction. Analysis and properties research of materials of this group are included in a separate chapter.

Protective coatings, corrosion behaviour and corrosion protection of structural materials increase durability for machine parts and industrial equipment. A reader can find in this edition many helpful research results on this issue.

Special thin films for applications in the covering of solar cells and use in the technologies of hydrogen storage are studied in another part of the presented edition.

This edition will be useful to many engineers and academic researchers from machinery and construction.