

Preface

This edition presents the results of research and developments in applied materials and advanced biotechnologies.

The first two chapters include research on properties and conditions for applying various polymeric and composite materials and some functional materials.

The particular chapter is devoted to studying materials properties by methods of computational materials science.

Results of analysis of properties and conditions of application of modern materials for dentistry and maxillofacial surgery constitute the content of the special chapter, which will be helpful to specialists in dentistry.

The last two chapters are devoted to studying and developing biotechnologies for chemical production and agriculture application.

The presented edition will be useful to many researchers and engineers in materials science, dentistry and applied biotechnologies.