

Preface

The presented special publication contains articles reflecting the latest research results in materials science, environmental protection, and biomedicine.

Synthesis methods, analysis structure and mechanical behaviour under various loads and conditions of applications, etc. of recent polymer and composite materials are the content of the first chapter.

The next two chapters are dedicated to the metallurgy of low-carbon steel, analysis of the effect of leaching time on zircon oxide synthesis through alkali fusion and acid leaching, the study of electrochemical properties of some materials used for energy storage and other functional materials.

Cleaning water by use of solar distillation, the technology of recycling printed circuit boards and investigation of materials properties and technologies for radiotherapy are subjects of the articles collected in the fourth and fifth chapters.

This special edition will be useful to specialists in materials, machinery, ecology protection and biomedical engineering.