

Preface

This book collects the results of engineering research in the field of materials science and chemical technology.

In the modern practice of materials science, an important place is occupied by polymer and composite materials. Their synthesis, analysis of properties as well as methods and possible areas of use are constantly being improved and expanded. The useful information presented in the chapter on polymer and composite materials will be interesting and helpful to readers dealing with such materials.

Modern technologies and materials in agrochemical production and food processing are aimed at intensifying agricultural production and increasing the efficiency of storage and processing of food products, which in modern conditions is very important in terms of ensuring food security. Part of the presented book is also devoted to the topic of agrochemistry and food processing.

In line with sustainable development, biotechnologies play a significant role, providing a reduction in the harmful burden on the environment through the use of bio-raw materials and bio-components in the technological process. Some issues related to the development of new and improvement of known biotechnological production processes are discussed in the corresponding chapter.

In the presented edition, the reader will also find a section related to research in the field of pharmacology and devoted to studying of properties, synthesis, extraction, purification of substances used or that can potentially be used in medicine.

This publication is of interest to specialists in the field of chemical synthesis of materials and chemical production.