

Preface

This special edition presents the latest research results in materials engineering, machinery technologies, construction and chemical technologies for wastewater treatment.

Properties of structural metals such as steel alloy, superalloy and aluminium alloy, and corrosion behaviour and corrosion protection of carbon steel are analysed in the first two chapters.

Results of research and engineering developments on technologies for wastewater treatment for dye and heavy metals removal are represented in the third chapter.

The next two chapters are devoted to the synthesis and properties analysis of modern green materials in civil engineering and some actual issues related to structural mechanics.

The last chapter presents readers with engineering solutions for non-destructive testing techniques in materials treatment processes.

The special collection will be helpful to many specialists whose activity is related to materials science, machinery, ecological safety and construction.