

Preface

This special topic edition is devoted to the research of heat and mass transfer processes, properties analysis of structural alloys, electrode materials for energy storage devices and catalytic hydroisomerization reaction.

The computational modelling of heat and mass transfer processes in the various engineering systems, the study effects of magnetic field on blood flow through arteries, etc. are presented in the first chapter.

The second and third chapters include a series of results of investigations in the area of structural alloys, materials for electrodes in energy storage devices and conditions of reaction of hydroisomerization of linear kinds of paraffin that is one of the effective ways to improve the quality of fuel oil.

The special edition will be useful to a wide range of engineers, technologists and researchers in the mentioned areas.