

Preface

The presented special edition contains articles that are dedicated to the research results in materials science and technologies of materials synthesis and processing.

The review of means for perovskite solar cell features improvements, analysis of synthesis methods and properties of electrode materials and electrolyte membrane for lithium-ion battery are included in the first chapter.

The second chapter is dedicated to research results in processes of various biomass type processing and conversion.

The last two chapters include articles on the results of research and development of wastewater treatment technologies, and water treatment and quality assessment methods.

This special issue will be useful to specialists in electrochemistry, energy storage and conversion, biomass processing and environmental engineering.