

# Preface

This special issue of the journal “Advanced Materials Research” represents readers with the articles covering the researches and practical aspects of the use of the modern materials and technologies of their synthesis and processing. The special issue is the collection of the stand-alone peer-reviewed papers which present a fundamental review analysis of the development of bulk metallic glass matrix composites by additive manufacturing, study of the catalytic activity of silver metal supported on doped graphene in alkaline medium, research of mechanical properties of the heat-treated alloy, mathematical modeling the mechanical properties of functionally graded materials, study of the efficiency of adding the rice husk ash and calcium carbide waste in concrete and assessment of mechanical properties of bio-fiber composites.

We hope that our special issue will be very interesting and useful for a wide audience of researchers and engineers from the area of applied materials and technologies of materials processing.

We would like to thank all who participated in the collecting of this special issue, authors for their valuable contributions and reviewers for their reports and important comments.

Dr. Stanislav Kolisnychenko

Editor