

# Preface

This volume of the journal “Advanced Materials Research” represents readers with the special issue which contains 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, research results of the surface processing technology of the cardiovascular stent, synthesis of functional ceramics and research properties of the modern building materials, methods of investigation the steel corrosion kinetics and theoretical approach for the research the fatigue behavior of cellulose acetate and ductile metals.

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