

# 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 current special issue is the collection of the stand-alone peer-reviewed papers which present results related to optimization of the technological parameters of the micro-wire electro-discharge machining of the titanium alloys for the orthopedics and process of the direct metal laser sintering of the maraging steel; development of a special cutting fluid for the metalworking; review and analysis of existing non-asbestos friction materials for the automotive industry; analysis of the use of the wood in the building restoration and properties some perspective types of concrete in construction.

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