

## Preface

This volume contains peer-reviewed papers presented at the 7<sup>th</sup> International Conference on Materials Science (ICMS2018), which was also the 2<sup>nd</sup> Joint Chinese-Mongolian-Russian International Conference on Functional Materials, held at Erenhot, China, June 20-22, 2018.

The main objective of the conference was to provide an international forum for the scientists who are working in the field of materials science to exchange ideas, recent research advancements, and to offer a platform for the initiation of future scientific cooperation between international scientists.

This special issue focuses on the structures, characterization, properties and applications of new functional materials. All papers were reviewed by 2-3 members of the conference scientific board and by external reviewers. After a critical screening and review, 22 papers were selected for publication in this volume.

We would like to express our special thanks to the organizers of this conference, the reviewers of papers, and the conference participants for making this conference successful.

Finally, we acknowledge the Trans Tech Publishing Ltd Scientific Team for the publication of this issue on Solid State Phenomena.

### *Editors*

Prof. Dr. Ojiyed Tegus  
Inner Mongolia Normal University, China

Prof. Dr. Jav Davaasambuu  
National University of Mongolia, Mongolia

Prof. Dr. Altan Bolag  
Inner Mongolia Normal University, China

## Scientific Committee

Prof. Dr. Yun Guohong	(Inner Mongolia Normal University, China)
Dr. Setsinbilib	(Inner Mongolia Association of S&T, China)
Prof. Dr. Ojiyed Tegus	(Inner Mongolia Normal University, China)
Prof. Dr. Jav Davaasambuu	(Mongolian Physical Society, Mongolia)
Dr. Guo Qiang	(Erenhot Association of S & T, China)
Prof. Dr. A. Nomoev	(Buryat State University, Russia)
Prof. Dr. U. Pietsch	(University of Siegen, Germany)
Prof. Dr. O. Penyazkov	(A.V. Lykov Institute of Heat and Mass Transfer, Belarus)
Prof. Dr. S. Asuha	(Inner Mongolia Normal University, China)
Prof. Dr. J. Liu	(University of Texas at Arlington, USA)

## Organizers

Inner Mongolia Association of Science and Technology, China

Inner Mongolia Normal University, China

Erenhot People's Government, China

Inner Mongolia Physical Society, China

National University of Mongolia, Mongolia

Mongolian Physical Society, Mongolia