

Reviews on Advanced Materials Science

Volume 6, Number 1, April 2004

Topical Issue

Nanoscience and Nanotechnology

**Guest Editor: Mikhail Gutkin
Institute of Problems of Mechanical Engineering
St. Petersburg, Russia**

Editorial Policy. The journal "Reviews on Advanced Materials Science" provides an international medium for the publication of reviews, topical issues and international conference proceedings in the area of theoretical and experimental study of advanced materials. Focuses are placed on, but not limited to nanostructured materials, semiconductors and high-transition-temperature superconductors. We encourage prospective authors to correspond with the principal editor before submitting a review article. Proposals should include an outline with key citations. All papers submitted will be rigorously peer-reviewed prior to publication. The journal "Reviews on Advanced Materials Science" is published in both paper and electronic versions.

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PREFACE

Nanoscience and nanotechnologies are probably the hottest subjects in both scientific and industrial activities of researchers and engineers in over the world. Their rapidly increasing influence in very different areas of human life is hard to overestimate. In fact, nanoscience and nanotechnologies are considered as a basis for the most advanced and highest technology production in the nearest and remote future. The importance and priority of these subjects is supported by worldwide efforts in fundamental and applied research as well as intense development of nanobusiness.

This special issue of Reviews on Advanced Materials Science contains selected papers which reflect some fundamental and applied studies of various nanostructured materials and nanotechnologies. It is expected to be of interest to researchers, engineers and graduate students who are involved in investigation, production, processing and characterization of nanoscale structures as well as development of nanotechnologies.

Mikhail Gutkin
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