



## Smart Nanomaterials for Catalytic Environment, Energy, and Sustainability

Guest Editors:

**Dr. Farid Orudzhev**

Head of Smart Materials lab,  
Department of Inorganic  
Chemistry and Chemical Ecology,  
Dagestan State University,  
Makhachkala, 367000, M.  
Gadzhieva St., 43 a, Dagestan,  
Russia

**Prof. Dr. Irina A. Zvereva**

Department of Chemical  
Thermodynamics and Kinetics,  
Institute of Chemistry, Head of  
Center for Thermal Analysis and  
Calorimetry, Saint Petersburg  
State University, Universitetskiiy  
pr. 26, 198504 Peterhof, Russia

### Message from the Guest Editors

The development of intelligent materials represents the future of material design and production and deserves deeper and more multidisciplinary research at the interface of physics and chemistry. This Special Issue is intended to highlight the latest developments in the creation and practical application of smart materials in energy and environmental protection in order to achieve sustainable development. We are pleased to invite you to submit a manuscript for this special issue. Full articles, reports, and reviews on the modeling, synthesis, properties, and results of practical applications of smart materials and devices are welcome.

Deadline for manuscript  
submissions:

**closed (31 March 2023)**

