



Special Issue on Energetic Materials

Call for Papers

Energetic materials are liquid or solid materials with a high amount of available stored chemical energy. Common energetic materials include propellants, explosives, pyrotechnic compositions, and other fuel/oxidizer mixtures. Energetic materials are characterized by their sensitivity (the ability to initiate a reaction from an energy stimulus) and reactivity (propagation and effect characteristics after ignition).

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Energetic Materials**. Potential topics include, but are not limited to:

- Typical classes of energetic materials, such as explosives, pyrotechnic compositions, propellants, fuels/oxidizer mixtures
- High-nitrogen energetic materials
- Novel high-energy density materials
- Ab initio molecular orbital and density functional theory
- Thermal decomposition and hazards testing
- Detonation and/or deflagration processes
- Rocket thermal protection materials
- Combustion of energetic materials
- Munitions use and demilitarization
- Properties and reaction mechanisms
- Theoretical modeling and design of new energetic materials
- Methods of improving the power and stability of energetic materials

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly specify the “**Special Issue**” under your manuscript title. The research field “**Special Issue - Energetic Materials**” should be selected during your submission.

Special Issue Timetable:

Submission Deadline	April 18th, 2017
Publication Date	June 2017



Guest Editor:

For further questions or inquiries, please contact Editorial Assistant at
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