



Synthesis and Structural Investigations of Polymorphic Compounds

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Deadline for manuscript
submissions:

closed (30 April 2018)

Message from the Guest Editors

Of interest are inorganic compounds, intermetallic phases, materials, minerals, and pharmaceuticals. Topics include, but are not limited to:

- In situ synthesis of new compounds and modifications
- High-pressure high-temperature synthesis of metastable materials
- Structure and property characterization at extreme conditions, such as pressure, strain, or temperature.
- Advances in the development of probe heads for the fast in situ detection of phase formation
- Characterization of polymorphs forming at high-pressure, high-temperature or a combination thereof. Properties under harsh environments, such as corrosive, erosive, high temperature, high pressure, vacuum, low pO_2 , hard radiation (gamma or neutron), etc.
- Pressure temperature phase diagrams and their modeling





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Message from the Editor-in-Chief

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