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Co-Crystals and Polymorphic Transition in Energetic Materials

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Message from the Guest Editors

An energetic material's crystal phases, structure and morphology determine its sensitivity, stability and mechanical properties as well as energetic performance. In recent years, with the development of theoretical calculation and experimental characterization techniques, the in-depth relationship between crystals and their properties has been extensively studied. Co-crystals are fabricated to modify the safety and detonation performances of energetic materials. Inhibition of the polymorphic transition during manufacture and storage has drawn significant attention due to its influence on the stability of energetic composites. Furthermore, the crystal spheroidization of energetic compounds is practically a prerequisite for ideal insensitivity and manufacturability. Crystal engineering occupies an increasingly important role in energetic material applications with emerging practical technology such as resonance acoustic mixing, seed crystal induction and so on.

The present Special Issue, entitled *Co-Crystals and Polymorphic Transition in Energetic Materials*, aims to examine recent breakthroughs in this burgeoning research field

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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