

Special Issue

Chalcogen Bonding in Crystalline and Catalyst Materials

Message from the Guest Editors

Chalcogen bonding is a novel type of noncovalent interaction in which a covalently bonded chalcogen has one or more region(s) of positive electrostatic potential and acts as an electrophilic species towards a nucleophilic (negative) region(s) in another, or in the same, molecule. Directionality, strength, tunability, hydrophobicity, variable donor atom dimension and multiplicity are unique characters of the chalcogen bond, which allow the interaction to develop as a tool in the synthesis, catalysis and design of new compounds and materials. The importance of chalcogen bonding in these domains, as well as in biological systems, is well recognized and continues to increase. The goal of this forthcoming Special Issue, entitled "Chalcogen Bonding in Crystalline and Catalyst Materials", is intended to present an overview of the current activity in these fields. It is our pleasure to invite you to submit a manuscript for this Special Issue; communications, regular articles, as well as reviews, are all welcome.

Guest Editors

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About the Journal

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.

Editor-in-Chief

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