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Chalcogen Bonding in Crystalline and Catalyst Materials

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Deadline for manuscript submissions:

closed (10 April 2018)

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.







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Editor-in-Chief

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Message from the Editor-in-Chief

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