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Halogen-Bonded Cocrystals

Guest Editor:

Dr. Filip Topic
McGill University, Department of Chemistry, Montreal, Canada

Deadline for manuscript submissions:
closed (30 September 2019)

Message from the Guest Editor

Dear Colleagues,

Halogen bonding, an attractive interaction between an electrophilic region on a halogen atom and a nucleophilic moiety, has similarly experienced a renaissance in the last two decades. Cocrystals have enabled the exploration of the unique behaviour of halogen bonding, at times paralleling yet sometimes contrasting with hydrogen bonding, the competition of halogen bonding with other weak interactions, and the (non-)isomorphous switching of donor halogens between iodine, bromine and chlorine. Similarly, halogen-bonded cocrystals have played a critical role in demonstrating exciting new applications of halogen bonding.

With this Special Issue on the topic of “Halogen-Bonded Cocrystals” we want to provide a venue for contributions dealing with the structures and properties of halogen-bonded organic solids, with a special focus on cocrystals, while also including closely related systems such as amorphous solids, liquid crystals or gels in which the halogen bonding plays a significant role.

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Editor-in-Chief

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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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