



Hypervalent Compounds

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Deadline for manuscript
submissions:

closed (10 May 2012)

Message from the Guest Editor

Dear Colleagues,

There are several compounds from main group elements that have formally more than eight valence electrons, called hypervalent compounds. Some people suggested the use of the term “hypercoordinate” rather than “hypervalent”. Although the hypervalent compounds were previously believed to be unstable species or reaction intermediates, a variety of hypervalent compounds of phosphorus, sulfur, silicon, iodine, and other main group elements have been synthesized as a stable form to date. Their structure, reactivity, and property have been studied both experimentally and theoretically. In addition to such the fundamental studies, several hypervalent iodine compounds are applied effectively to organic synthesis. This special issue of *Molecules* will consider any aspect associated with hypervalent compounds.

Dr. Naokazu Kano

Guest Editor





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Message from the Editor-in-Chief

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