Chemical Applications of Symmetry

Guest Editor:

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Deadline for manuscript submissions:
closed (30 September 2014)

Message from the Guest Editor

Dear Colleagues,

Manuscripts are invited addressing novel applications of symmetry to chemistry including chemical reactions and molecular structures. Uses of symmetry in the determination of vibrational, electronic and magnetic properties of molecules are solicited. Suitable topics are groups and the theory of group representations as well as appropriate algebraic methods. Application of symmetry considerations to solid state systems as well as extensive calculations on large molecules are encouraged.

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Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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