



Recent Advances in Chiroptical Spectroscopy

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Message from the Guest Editor

Dear Colleagues,

Chirality is expressed throughout nature, whether microscopic or macroscopic, and animate or inanimate. Examples include molecules, crystals and complex living organisms. From the molecular standpoint, life is totally homochiral; that is, all living organisms on Earth use molecules of a unique invariant handedness: only D-(deoxy) ribose in nucleic acids and only L-amino acids in proteins. Thus, chirality is a key issue in understanding the origin of life on Earth, as well as in agricultural, pharmaceutical and food industries as their biological effects often depend on the chirality of compounds.

The present Special Issue, “Recent Advances in Chiroptical Spectroscopy”, aims to provide comprehensive coverage of the most important and up-to-date methods dealing with polarized light, including their basic principles, instrumentation, and theoretical simulation for application to organic molecules, inorganic molecules, and biomolecules.

Prof. Dr. Reiko Kuroda
Guest Editor





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Message from the Editor-in-Chief

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