

Special Issue

Recent Advances on Fluorine Chemistry

Message from the Guest Editor

Fluorine is a unique element due to its introduction as a substituent in various classes of chemical compounds. Among fluorine compounds, several general groups can be distinguished: complex and inorganic fluorine derivatives, as well as a wide class of organic fluorine-containing compounds. Although elemental fluorine is toxic to all living things, fluorine-containing drugs are increasingly used in medical practice (about a third of all agrochemicals and pharmaceuticals produced contain at least one fluorine atom). Fluorine derivatives simultaneously have both high hydrophilicity and good lipophilicity, as well as high stability and chemical inertness to metabolic degradation, which makes it possible to reduce the dose of the drug. Thus, fluorine-containing compounds are important and interesting objects for research in the field of biochemistry, molecular chemistry, medicine, and pharmacy. To that end, this Special Issue of the International Journal of Molecular Sciences, Recent Advance on Fluorine Chemistry, will include original research papers and reviews on the latest developments in fluorine chemistry.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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