

Special Issue

New Horizons in Silicon Chemistry

Message from the Guest Editor

Basic silicon chemistry has developed remarkably since the first isolation of a silicon–silicon double-bonded molecule, tetramesityldisilene, by the late Prof. Robert West et al. in 1981. Today, a variety of silicon unsaturated compounds, such as silylenes, silaethenes, disilynes, and silanones, are available as isolable compounds, and their unique structures, bonding, electronic features, and reactions have been revealed. A multifaceted and balanced development of both basic and applied silicon chemistry is now required. This Special Issue provides a platform for the discussion of every aspect of molecular silicon and related germanium, tin, and lead compounds, including their synthesis, spectroscopic properties, theoretical calculations, reactions and mechanisms, and industrial applications.

Guest Editor

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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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