



Hypercoordinate Carbon

Guest Editor:

**Dr. Venkatesan S.
Thimmakonda**

Department of Chemistry and
Biochemistry, San Diego State
University, San Diego, CA 92182,
USA

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Message from the Guest Editor

Although tetrahedral tetracoordination is the fundamental paradigm of organic chemistry, the identification of methanium ion, CH_5^+ , in the laboratory through mass spectroscopic measurements challenged the way that one use to think about the coordination tendencies of carbon. While these experiments were carried out in 1950 and officially published in 1952, it took another 47 years to record the infrared (IR) spectrum of this simple protonated methane. The idea of making hypercoordinate carbon or silicon, or first-row or second-row elements in general, is not only to examine the coordination behavior of different elements but also to develop new materials. The main objective of this Special Issue is to collect some recent trends in this subject area, as the field is continuously emerging. Therefore, we wholeheartedly welcome contributions from both the experimental and theoretical scientific communities working in this intriguing field.





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Editor-in-Chief

Prof. Dr. Igor Alabugin

Department of Chemistry and
Biochemistry, Florida State
University, Tallahassee, FL 32306,
USA

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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