



Recent Advances in DFT: Theory, Simulations and Applications

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Message from the Guest Editor

DFT methods have become very popular today and have become an invaluable tool for many researchers across a range of disciplines. This is due to the pragmatic observation that it is less computationally intensive than other methods with similar accuracy, or even better in some cases, such as in the theoretical prediction of vibrational spectra. Thus, DFT methods have widespread applications for the investigation of the electronic structure and chemical processes of many systems, in special molecules and condensed phases, which is crucial for molecular design and chemical synthesis. DFT methods provide invaluable information, complementary to the experimental data, about molecular systems and processes, and thus they represent very powerful tools for the interpretation and understanding of experimental results.

Due to the importance of DFT methods and their extensive applications, unpublished manuscripts that report these applications to any organic, inorganic or organometallic system and their experimental values are welcome for this Special Issue. In addition, advances in theoretical methods will also be accepted.





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Message from the Editor-in-Chief

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