



catalysts



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Non-covalent Catalysts

Guest Editor:

Dr. Alexander S. Novikov

Institute of Chemistry, Saint
Petersburg State University,
Universitetskii pr., 26, Petergof,
198504 St. Petersburg, Russia

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Message from the Guest Editor

The elementary stages of chemical reactions (including catalytic ones) are caused by such weak inter- and intramolecular contacts as hydrogen, halogen, chalcogen, tetrel bonds as well as stacking (and other pi-system involved) interactions.

The aim of this Special Issue in the *Catalysts*, entitled “Non-covalent Catalysts”, is to address the most recent progress in the rapidly growing field of non-covalent interactions in catalysis. Both experimental and theoretical studies, fundamental and applied research and any forms of manuscripts are welcome for consideration. This Special Issue will address the following bullet-point topics: experimental studies of non-covalent interactions in catalysis; theoretical modeling of supramolecular systems in catalytic processes; application of machine learning and artificial intelligence in studies of non-covalent interactions in catalysis; development of catalysts via non-covalent interactions; databases of non-covalent catalysts; analytical techniques for detection of non-covalent interactions in complex chemical systems.



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Special Issue