# Special Issue

## **Non-covalent Catalysts**

### 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 noncovalent interactions in complex chemical systems.

### **Guest Editor**

Dr. Alexander S. Novikov

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### Deadline for manuscript submissions

closed (31 May 2024)



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