



## Supramolecular Chemistry in the 3rd Millennium

Guest Editor:

**Prof. Dr. Catherine Housecroft**

Department of Chemistry,  
University of Basel, Building 1095,  
Mattenstrasse 22, Postfach, CH-  
4002 Basel, Switzerland

Deadline for manuscript  
submissions:

**closed (31 May 2020)**

### Message from the Guest Editor

Dear Colleagues,

The theme of this issue is *Supramolecular Chemistry in the 3rd Millennium* and I am sure that this topic will attract many exciting contributions. We chose this topic because it encompasses the unity of contemporary pluridisciplinary science, in which organic, inorganic, physical and theoretical chemists work together with molecular biologists and physicists to develop a systems-level understanding of molecular interactions. The description of supramolecular chemistry as ‘chemistry beyond the molecule’ (Jean-Marie Lehn, Nobel Lecture and Gautam R. Desiraju, *Nature*, 2001, *412*, 397) addresses the wide variety of weak, non-covalent interactions that are the basis for the assembly of supramolecular architectures, molecular receptors and molecular recognition, programmed molecular systems, dynamic combinatorial libraries, coordination networks and functional supramolecular materials. We welcome submissions from all disciplines involved in this exciting and evolving area of science.

Prof. Dr. Catherine Housecroft

*Guest Editor*





an Open Access Journal by MDPI

## 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

Chemistry is a broad science and in *Chemistry* we hope to showcase the excellence of this fundamental discipline. Open Access publishing allows scientists to publish their research in a way that reaches the widest possible audience. In *Chemistry* we aspire to build a genuinely transdisciplinary culture in which communication of results between scientists active in different areas and between scientists and the broader public highlights the benefits that chemistry can bring to society. We encourage papers on all aspects of chemistry ranging from astrochemistry to zoochemistry, with everything in between. We also very strongly welcome inter- and multidisciplinary papers which expand the subject beyond its present horizons. We also welcome themed issues collecting reviews and state-of-the-art papers in topical areas of chemical science.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [CAPlus / SciFinder](#), and [other databases](#).

**Reliable service:** rigorous peer review and professional production.

## Contact Us

---

*Chemistry* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/chemistry](http://mdpi.com/journal/chemistry)  
[chemistry@mdpi.com](mailto:chemistry@mdpi.com)  
[X@Chemistry\\_MDPI](#)