



Journal of Chemistry

Special Issue on  
**Functional Polymeric Materials: With Innovations at  
the Biological and Chemical Interface**

CALL FOR PAPERS

Polymer chemistry represents one of the most far-reaching developments in materials science, allowing preparation of functionalized materials across many length scales. In the past two decades, a vast array of functions that characterize natural systems is inspiring and has driven an incredible burst of interest in functional synthetic polymers. Among polymers, those employed in the fields of self-assembled smart biomaterials, drug delivery, complex sensing systems, and bioinspired materials have particularly advanced to a level due to the gain sequence and architecture control in polymer synthesis. In particular, supramolecular polymers, which can be defined as polymeric systems that extend beyond the molecule and utilize noncovalent interactions to direct their assembly and define their behavior, have attracted much attention from the scientific community.

Herein, we would like to invite you to contribute original research papers as well as review papers for consideration and publication in this special issue. We seek to bring together research topics, ranging from studying novel polymerization strategies to organizing matter utilizing polymeric functions.

Potential topics include, but are not limited to:

- ▶ Self-assembly of polymer nanoarchitectures for biosensing, drug delivery, and imaging
- ▶ Polymeric materials in microfluidics
- ▶ Polymers in biofuel
- ▶ Development of polymerization strategies
- ▶ Supramolecular polymers
- ▶ Polymer microarrays
- ▶ Polymer colloids
- ▶ Polymer brushes

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/jchem/materials.chemistry/ibci/>.

**Lead Guest Editor**

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[jin.geng@ed.ac.uk](mailto:jin.geng@ed.ac.uk)

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Orlando D. H. Santos, Federal  
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Brazil  
[orlando@ef.ufop.br](mailto:orlando@ef.ufop.br)

Nan Cheng, University of Sheffield,  
Sheffield, UK  
[n.cheng@sheffield.ac.uk](mailto:n.cheng@sheffield.ac.uk)

Jameel Zayed, Massachusetts Institute of  
Technology, Cambridge, USA  
[zayedjm@mit.edu](mailto:zayedjm@mit.edu)

Youtian Tao, Nanjing University of  
Technology, Nanjing, China  
[iamyttao@njut.edu.cn](mailto:iamyttao@njut.edu.cn)

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**First Round of Reviews**

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