



an Open Access Journal by MDPI

Silsesquioxane (POSS) Polymers, Copolymers and Nanoparticles

Guest Editor:

Dr. James Bowen

Faculty of Science, Technology, Engineering & Mathematics, The Open University, Milton Keynes MK7 6AA, UK

Deadline for manuscript submissions: closed (31 December 2020)

Message from the Guest Editor

Polyhedral oligomeric silsesquioxanes (POSS) are cubic nanoparticles with the general formula (RSiO_{3/2})n. The range of substituents which can be attached to the siliconoxygen cage-like core allows a variety of functionalities and physical properties to be exhibited by these versatile nanomaterials. POSS materials have found applications in catalysis, electronics, energy storage, healthcare, optics and sensors, among others.

This Special Issue is concerned with the design, synthesis, characterisation and applications of silsesquioxane compounds and materials. Topics may include synthetic routes, material properties and end applications. The issue may also address investigations into structure–function relationships, polymerisation involving POSS, as well as the use of POSS in relation to biological systems. Ideally, contributions will focus on fundamentals and applications that will help to compile the current state-of-the-art and highlight the range of uses for this versatile molecule. Both original contributions and reviews are welcome.









an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and highquality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Author Benefits

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

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)

Contact Us

Polymers Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/polymers polymers@mdpi.com X@Polymers_MDPI