



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

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Message from the Guest Editor

Polyhedral oligomeric silsesquioxanes (POSS) are cubic nanoparticles with the general formula $(\text{RSiO}_{3/2})_n$. The range of substituents which can be attached to the silicon–oxygen 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.





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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

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Polymers Editorial Office
MDPI, St. Alban-Anlage 66
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