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Advances in Self-Assembly of Organic Molecules

Guest Editor:

Prof. Dr. Vance Williams
Department of Chemistry, Simon Fraser University, 8888 University Drive, Burnaby, BC V5A 1S6, Canada

Deadline for manuscript submissions:
closed (30 November 2020)

Message from the Guest Editor

Dear Colleagues,

Self-assembly governs an enormous array of processes in chemistry, biology, and physics, giving rise to structures that range from nanoscale clusters of molecules to much larger assemblages such as the protein shells of viruses. Self-assembled encompasses one-dimensional supramolecular polymers, two-dimensional monolayers at interfaces, and three-dimensional crystals. The sheer variety of self-assembled structures found in nature is breathtaking in scope, and scientists have only barely begun to unpack the rules underlie the formation organized supramolecular entities.

This Special Issue explores the latest efforts to understand the structure–property relationships that govern self-assembly in both solution and the solid state, with a focus on the rational design of new organic materials.

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Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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