

Self-assembled Monolayers and Multilayers (SAMs/SAMTs) for Medicine and Dentistry

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Over the years, nanotechnology has been vastly applied in medical and dental fields. In particular, self-assembled monolayers and multilayers (SAMs/SAMTs) have been put into services and have gained wide acceptance by practitioners and researchers due to several reasons, such as surface functionalization, ease of application, high biocompatibility, and simplicity. In this Special Issue, all review and research articles related to SAMs/SAMTs in medical and dental fields are welcomed. Emphasis should be put on, but not limited to, chemical, physical, biological, clinical, theoretical, and mechanical aspects, and multi-disciplinary approaches to SAMs/SAMTs. The Special Issue is keen on the exchange and sharing of scientific knowledge and evidence via the Open Access journal Coatings, and targets to sustain the impact of SAMs/SAMTs.

Dr. James Kit-hon Tsoi

Guest Editors



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Special Issue

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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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