



Advances in Graphene Based Composite for Bio-Applications

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Message from the Guest Editor

Graphene-based composites have significantly influenced the landscape of biomaterials by providing a much-improved effectiveness and economically feasible alternatives for the current treatment options in several areas of biomedical applications. This Special Issue of *Coatings* focuses on the methods that have been developed and applied to produce hierarchically exquisite polymer/graphene structures, and also covers the computational, physical, biological and chemical sciences that have been utilized to reinforce the design and characterization of graphene-based biomaterials. The scope of *Advances in Polymer/Graphene Composites for Bio-Applications* includes, but is not limited to:

- Graphene-based biomaterials development;
- Polymer/graphene novel architectures and concepts;
- Multifunctional polymer/graphene composites;
- Processing of polymer/graphene materials to achieve specific functionality;
- Modification of polymer/graphene composites with improved performance;
- Polymer/graphene mechanical characterization;
- Polymer/graphene composites' surface, structure, and biocompatibility characterization;





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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.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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