



## Application of Plasma Technology in Bioscience and Biomedicine

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### Message from the Guest Editors

Dear Colleagues,

Plasma technology has been an integral part of life sciences research for decades through its role in the manufacture and modification of material surface characteristics of many common laboratory consumables.

Plasma can elicit a wide range of biological effects predominantly based on the action of various reactive species generated in the discharge which can modify biomolecules, affect cell growth and behaviour or inactivate microorganisms. Plasma deposition is used for generating material coatings with particular biological functions. Plasma-activated/treated liquids generated by exposing liquids to a plasma discharge can achieve many of the aforementioned biological effects induced by direct plasma due to a retention of longer-lived plasma reactive species. Recent years have seen cold plasma move into the clinic for its use in wound healing, and further applications are likely to follow.

In this Special Issue, we would like to cover the breadth and diversity of plasma technology in bioscience and biomedicine and provide a snapshot of some of the exciting research currently happening in this field.

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*Guest Editors*





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## Message from the Editor-in-Chief

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