

## Special Issue

# Plasma Medicine at the Intersection of Non-thermal Physical Plasma Chemistry and Biology

### Message from the Guest Editors

Plasma Medicine, which describes the use of non-thermal plasma for treatment of human diseases, has moved beyond the laboratory into clinical trials of promising biomedical applications of plasma and the approval of a small number of plasma-generating devices for clinical use. Biomedical applications of plasma rely heavily on interactions between the biological targets of treatment and chemical species produced by plasma, including reactive oxygen and nitrogen species (RONS). While several research groups are investigating the effects of plasma-generated RONS on cells and tissues, cause-effect relationships have not yet been established. This issue invites submissions that feature multi-disciplinary research spanning basic science, translational research, and clinical studies. Featured studies will address important gaps in our knowledge regarding key factors that influence the desired clinical outcomes, including the mechanism(s) of action that underlie biomedical plasma applications and the definition of a plasma dose that results in efficacy and acceptable safety.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2021)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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