

## Special Issue

# Next-Generation Plasma-Driven Systems: From Nano-Medical Sciences to Climate-Smart Technologies

### Message from the Guest Editor

This Special Issue explores how advanced plasma technologies are being used for infection control, sustainable environmental solutions, nanotechnology, and other biological applications. This Special Issue explores the synergy between plasma science and advanced engineering to create environment-smart solutions with broad societal impact. It is also focused on smart advanced plasma systems with real-time sensing and adaptive control, which are poised to deliver precision, energy-efficient, and versatile solutions for future healthcare, environmental, and industrial applications. This Special Issue focuses on scalable, commercially viable innovations that can be applied to real-world settings. By bridging plasma science, nanotechnology, and biotechnology, this Special Issue outlines a transformative roadmap for both human health and planetary sustainability.

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### Guest Editor

Prof. Dr. Nagendra Kumar Kaushik

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### Deadline for manuscript submissions

closed (20 March 2026)



## Applied Sciences

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### 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

Prof. Dr. Giulio Nicola Cerullo  
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