

## Special Issue

# Applied Radiation Chemistry: Theory, Methods and Applications

### Message from the Guest Editors

Radiation chemistry deals with chemical processes induced by ionizing radiation. Major high-volume application fields include sterilization and polymer processing, but new directions leading to products of high added value are being currently developed. New experimental and simulation tools make it possible to get more detailed insight into the physical and chemical phenomena underlying these developments. Understanding radiation chemistry is also essential for the sustainable development of the nuclear power industry, in particular for processing the nuclear fuel, handling radioactive waste, and maintaining the integrity of materials in currently operating nuclear power reactors. Fast progress and rising interest in technologies involving interactions of ionizing radiation with matter encouraged us to lead this Special Issue. Original papers and reviews (the latter should be agreed upon with in advance) on current and emerging applications of radiation chemistry are very welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2021)



## Applied Sciences

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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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