



Advances in Electron Spin Resonance (ESR) Spectroscopy

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Deadline for manuscript
submissions:

closed (20 April 2023)

Message from the Guest Editors

Dear Colleagues,

The electron spin resonance (ESR) method is a powerful tool for studying the structure and dynamics of paramagnetic species, including free radicals. It can be used in various fields of research, such as biology and medicine, application of nanomaterials and polymers, dating of geological and archaeological finds, and environmental studies. It is also popular as a method of imaging.

The aim of this Special Issue on “Advances in ESR Spectroscopy” is to highlight the wide possibilities of applying this method in various fields of research as well as showing the currently developed ways of its improvement. It covers the application of the ESR method in different areas, such as interactions between complex materials and biological structures, the impact of irradiation on studied samples, the application in food and environmental sciences as a tool for dating in geology and archaeology, the use of new spin labels and traps, control of chemical reactions related to radicals processes, and imaging in biology and medicine.

It is our pleasure to invite you to contribute an original research paper, a short communication, or a review to this issue.





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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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