Special Issue

Spectrometric Methods for Measurement and Control of Environmental Radioactivity

Message from the Guest Editors

Spectrometric methods are widely used for the qualitative and quantitative determination of radionuclides present in environmental samples (soils, rocks, sediments, atmospheric particles, water, plants, etc.) or food. Gamma spectrometry is the most used for its many advantages, with semiconductors and other detectors. It is used in the laboratory, in the field, and in situ for punctual and continuous measurements. Alpha spectrometry is also widely used, and with the use of radiochemistry, its sensitivity and efficiency are increased. To share and promote research activities aimed at making best use of these methods, a Special Issue has been proposed that offers the opportunity to publish high-quality research papers. It welcomes studies that involve the use of spectroscopic methods in all possible sectors, with particular attention to the improvement and innovative aspects. All manuscripts will be peer reviewed by industry experts.

- Spectrometric methods
- Gamma spectrometry
- Alpha spectrometry
- Environmental radioactivity
- Natural radioactivity
- Minimum detectable activity
- Calibration
- Intercomparison
- Sensitivity
- Efficiency

Guest Editors

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closed (20 May 2022)

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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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