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Nuclear Analytical Chemistry: State of Art and New Trends in Activation Analysis

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Message from the Guest Editors

Among the analytical techniques involved in laboratories or routine analysis, radioanalytical methods are still the most effective for a precise and accurate knowledge of the element content. In recent decades, analytical techniques such as neutron activation analysis, photon activation analysis and charged particle activation analysis have increased their importance, and their use has expanded to different applications ranging from environmental problems to engineering topics up to medical issues. Even if their application is limited, these techniques represent the most accurate and sensitive analytical method for analyzing and investigating any sample in any situation.

This Special Issue would like to gather the radioanalytical methods: new investigated targets, new studied and industrialized detectors, and new involved technology. Along with these goals, any new theories possibly developed will also be welcome. The Special Issue is oriented toward analytical chemists particularly involved in radiochemical studies but also analytical chemists who have never used these techniques as well as physics researchers, physicians or other researchers involved in nuclear activities.

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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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