



Advances in Environmental Applied Physics

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Message from the Guest Editor

The presence of pollutants in the environment constitutes a health risk to the population, because it could increase the likelihood of incurring cancer. Experimental analysis will enhance the detection of significant radionuclides and metals that cause harm to the population and stimulate remediation.

Among the various analytical techniques for the assessment of physical and chemical pollutants in the environment, alpha and gamma spectrometry are employed to obtain the specific activity of alpha and gamma radionuclides, respectively; ICP-MS can be used to investigate metals concentration; liquid scintillation counting (LSC) is employed to quantify the activity concentration of tritium, radon, and gross alpha and beta; total alpha/beta counting, with the thick source method, can be used for gross alpha and beta specific activity evaluation; and emanometry, in the H₂O setup configuration, can be employed to estimate the gas radon activity concentration.





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Message from the Editor-in-Chief

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