



## Measurement of Low and Ultra-Low Background Radioactivity

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### Message from the Guest Editor

The aim of this Special Issue is to provide an overview of the current status of low background and ultra-low background radioactivity. Experimental search of dark matter and neutrinoless double beta decay need to limit background rate as much as possible, using radio-pure materials for detectors and radio-pure electronics for data acquisition. Data analysis need to use dedicated methods to separate signal from background in the case of very weak signals. Environmental radioactivity needs also ultralow background electronics and detector components in case of very weak activities, as those due to trace elements and some cosmogenic radioisotopes, or very weak signals as those from tritium.

The scope of this Special Issue is recent advances in the field of low background and ultra-low background radioactivity from the experimental point of view. Papers on radio-pure materials and electronics, low background and ultra-low background data acquisition and analysis, shielding procedures, low-level counting detectors and related topics are welcomed.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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