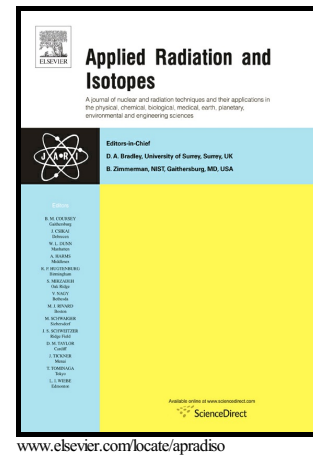


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## Abstract

X-ray Synchrotron Radiation Micro-Computed Tomography (SR- $\mu$ CT) allows a better visualization in three dimensions with a higher spatial resolution, contributing for the discovery of aspects that could not be observable through conventional radiography. The automatic segmentation of SR- $\mu$ CT scans is highly valuable due to its innumerable applications in geological sciences, especially for morphology, typology, and

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