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# **Experimental Simulation and Characterization of Radiation Damage** in Materials

Guest Editor:

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Deadline for manuscript submissions:

closed (20 September 2022)

# **Message from the Guest Editor**

Dear Colleagues,

The development of new materials for the next generation of advanced nuclear technology brings about the need for suitable irradiation experiments and reliable/reproducible post-irradiation examination (PIE). To improve our knowledge of the comprehensive synergistic effects of individual environmental and material variables, it is necessary to conduct very rigorous and repeatable irradiation experiments evaluated by characterization techniques which provide unique yet reproducible results. At the same time, it is essential to share the latest innovations, developments, and applications effectively and to reach the right professional audience.

This Special Issue of Materials aims at advancing the current knowledge in ion irradiation studies and innovative material characterization. Especially welcome are research papers that address ion beam irradiation of materials for functional and structural nuclear components, innovative materials for nuclear applications, and advanced techniques for the characterization of ion beam modified materials. The journal accepts original research papers as well as review articles summarizing recent progress in the field.













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## **Message from the Editor-in-Chief**

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