



Corrosion and Materials Degradation under Irradiation: From Understanding to Mitigation...

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 July 2022)

Message from the Guest Editor

You are invited to submit papers presenting your scientific and technological contributions concerning one of the biggest materials' issue for nuclear plant structural integrity assessment and life extension.

This Special Issue is dedicated to highlighting the complexity of understanding, mastering and developing new knowledge in the field of corrosion under irradiation and the means to control it. The specificity of this mode of degradation does not consist in considering a specific corrosion mode only, but in considering a systemic approach which consists in identifying the synergy effects between the different damage factors. It is therefore not a question of characterizing the maintenance of the structural properties of a material or understanding the type of corrosion involved, but of quantifying the aggravating factor that contributes to the outburst of the degradation phenomenon exacerbated by irradiation.

Agreed Scholars:

1. Prof. Gary Was
2. Prof. Damien Féron
3. Prof. Digby D. Macdonald
4. Prof. Tetsuo Shoji
5. Prof. Yutaka Watanabe
6. Prof. Tom Devine
7. Dr. Fraser King

