

Special Issue

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

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

Guest Editor

Prof. Dr. Bernard Normand
INSA Lyon, University of Lyon, MATEIS Laboratory, 7 av. Jean Capelle,
F-69 621 Villeurbanne Cedex, Lyon, France

Deadline for manuscript submissions

closed (31 July 2022)



Corrosion and Materials Degradation

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.2



mdpi.com/si/56914

Corrosion and Materials Degradation
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cmd@mdpi.com

mdpi.com/journal/

[cmd](mailto:cmd@mdpi.com)





Corrosion and Materials Degradation

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.2



[mdpi.com/journal/
cmd](https://mdpi.com/journal/cmd)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Raman Singh

1. Department of Chemical and Biological Engineering, Monash
University, Melbourne, VIC 3800, Australia

2. Department of Mechanical and Aerospace Engineering, Monash
University, Melbourne, VIC 3800, Australia

Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO,
and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 19.2 days after
submission; acceptance to publication is undertaken in 4.6
days (median values for papers published in this journal in
the second half of 2025).

Journal Rank:

CiteScore - Q2 (Materials Science (miscellaneous))