

## 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

---

CiteScore 4.5  
Tracked for Impact Factor



[mdpi.com/si/56914](https://mdpi.com/si/56914)

*Corrosion and Materials Degradation*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cmd@mdpi.com](mailto:cmd@mdpi.com)

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

[cmd](https://mdpi.com/journal/corrosion-and-materials-degradation)





# Corrosion and Materials Degradation

---

an Open Access Journal  
by MDPI

---

CiteScore 4.5  
Tracked for Impact Factor



[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  
Departments of Mechanical & Aerospace Engineering and Chemical  
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 23.4 days after  
submission; acceptance to publication is undertaken in 5.5  
days (median values for papers published in this journal in  
the first half of 2024).

##### Journal Rank:

CiteScore - Q2 (Materials Science (miscellaneous))