



## New Advances in Damage Analysis and Lifetime Prediction of Electrical Cables in Nuclear Power Plants

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Deadline for manuscript submissions:

**closed (31 January 2022)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to give an overview on the most recent advances in damage analysis and lifetime prediction of cables used in nuclear power plants. Selected contributions are invited to provide reviews and analyses of the main polymer degradation mechanisms and their effects on material reliability and properties at various scales (from physical–chemical to mechanical and electrical material behavior). Potential topics include but are not limited to:

- Multiscale analyses of degradation and aging mechanisms inside electrical cables;
- Lab-scale techniques for cable aging assessment;
- Development of non-destructive testing techniques for monitoring the health of cables on site;
- Lifetime prediction and reliability of cables under radiothermal stresses.

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*Guest Editors*





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## Message from the Editor-in-Chief

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