

# Special Issue

## Radiation Tolerant Lubricants

### Message from the Guest Editor

The scope of this Special Issue is to assess the state of the art on radiation-tolerant lubricants and to gather information on the activities and studies ongoing on these topics, with a special focus on :

- Radiation effects on lubricants and radiation tolerant formulations/products available on the market;
- Facilities for the irradiation and/or post-irradiation characterization of lubricants;
- Experimental and/or analytical approaches to assess the radiation effects in lubricant materials;
- Real examples of the application of lubricants in high-radiation areas;
- Criteria for the selection of lubricants for high-radiation applications;
- Failure analysis of lubricated equipment and degradation of lubricants after use in high-rad areas;
- Use of radiation-tolerant lubricants for the design and construction of rad-hard equipment.

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### Guest Editor

Dr. Matteo Ferrari

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### Deadline for manuscript submissions

closed (30 April 2024)



## Lubricants

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## About the Journal

### Message from the Editor-in-Chief

Friction, wear, and lubrication are tribological phenomena that govern the behavior of interacting surfaces in a wide range of machine components. Understanding the physical and chemical nature of these phenomena is critical to achieving long component lifetime and economical operation. Research in the field of tribology is highly interdisciplinary, and encompasses the fields of physics, chemistry, engineering, and mathematical modeling. *Lubricants* invites contributions on new advances in all areas of tribology for publication as peer-reviewed research articles, reviews of current research, letters, and communications. We are committed to providing timely reviews of all articles submitted. Please consider sharing your work with the scientific community through publication in *Lubricants*.

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### Editor-in-Chief

Prof. Dr. Homer Rahnejat  
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