

Special Issue

Green Lubricants 2019

Message from the Guest Editors

As it is well known, a great percentage of the total amount of lubricants traded worldwide per year end up in the environment as a consequence of losses, volatility, spills, or accidents. In agreement with different public directives which promote both the replacement of non-renewable raw materials by renewable resources and the minimization of the environmental impact, the development of new and efficient environmentally friendly lubricants has emerged as a major issue in the last decades. This Special Issue aims to collect and disseminate the latest developments and trends in the field of green lubricants, including new formulations, improved functional properties and tribological response of bio-based lubricants, achievements regarding minority natural components like additives and thickeners, new technical information on lubricated contacts (bearings, seals, etc.), and related modeling or new processing techniques and methodologies. Contributions from both academic and industrial research are welcome. Keywords:

- Bio-lubricants
- Biodegradability
- Sustainability
- Environment-friendly lubrication
- Bio-sourced base oils/additives
- Tribology

Guest Editors

Prof. Dr. José M. Franco

Chemical Product and Process Technology Research Center (Pro²TecS), Department of Chemical Engineering and Materials Science, ETSI, University of Huelva, 21071 Huelva, Spain

Dr. M. Carmen Sánchez

Chemical Product and Process Technology Research Centre (Pro²TecS-), Department of Chemical Engineering, University of Huelva, Campus de "El Carmen", 21071 Huelva, Spain

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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