

Special Issue

Laser-Induced Periodic Surface Nano- and Microstructures for Tribological Applications

Message from the Guest Editors

This Special Issue focuses on the latest developments concerning the tribological performance of laser-generated periodic surface nano- and microstructures and their applications. Principal topics include, but are not limited to:

- Additives
- Application
- Laser ablation
- Laser materials processing
- Laser-induced periodic surface structures (LIPSS)
- Direct laser interference patterning (DLIP)
- Periodic
- Nanostructures/Microstructures
- Dimples
- Friction
- Wear
- Tribology
- Laser surface texturing (LST)
- Lubricants
- Oxidation
- Hardness
- Wettability

Guest Editors

Dr. Jörn Bonse

Bundesanstalt für Materialforschung und -prüfung (BAM), Unter den Eichen 87, 12205 Berlin, Germany

Dr. Dirk Spaltmann

Federal Institute for Materials Research and Testing (BAM), Berlin, Germany

Deadline for manuscript submissions

closed (30 June 2019)



Lubricants

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 3.6



mdpi.com/si/21881

Lubricants

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
lubricants@mdpi.com

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





Lubricants

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 3.6



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



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Homer Rahnejat
School of Engineering, University of Central Lancashire, Preston PR1
2HE, UK

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec,
CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q2
(Mechanical Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 16.7 days after
submission; acceptance to publication is undertaken in 2.9
days (median values for papers published in this journal in
the first half of 2024).