# Special Issue

# Carbon Nano-materials for Controlling Friction and Wear

## Message from the Guest Editors

This Special Issue aims at reporting the latest developments in the field of carbon nano-materials used as lubricants. The range of carbon nano-materials includes carbon black, graphene and its derivatives, carbon nanotubes, carbon onions, nanodiamonds, amorphous carbon and diamond-like carbon (DLC). These materials can be applied either as protective coatings, as lubricant additives, or as reinforcing phases in self-lubricating systems to improve the resulting friction and wear performance. Additionally, advanced characterization allowing for a thorough understanding of the acting mechanisms responsible for reduction in friction and wear are highly welcome in this Special Issue. Numerical and analytical work based on alternative approaches and a cross-correlation to experimental findings also fall into the scope of this Special Issue.

## Guest Editors

Dr. Sebastian Suarez

Dr. Philipp Grützmacher

Prof. Dr. Andreas Rosenkranz

## Deadline for manuscript submissions

closed (31 December 2021)

# Lubricants

MDPI

# 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

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