# **Special Issue**

# Microstructures and Electrical Conductivity of Thin Films

# Message from the Guest Editors

During the last few decades, particular attention has been paid to the research on the surface microstructuring of thin films involving both the adoption of physical and chemical techniques and the subsequent testing of their electrical response. These efforts are aimed toward developing more efficient devices or to increase sensor performance. It has been also recognized that microstructures offer the possibility for a broad range of applications from bioelectronics to sensing and renewable energy. This Special Issue aims at providing an interdisciplinary overview on the most intriguing and original results and recent progress in surface roughening methods (including chemical or plasma/laser surface texturing) with a special emphasis on the correlation with modification/improvement of the electrical properties. Reports of potential foreseeable applications are also welcomed.

# **Guest Editors**

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## Deadline for manuscript submissions

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# Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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