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Microscopy in Material Science: Imaging, Analytics, and New Materials

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Deadline for manuscript submissions:

closed (20 November 2022)

Message from the Guest Editor

The microscopy techniques have become essential in the field of academic or private research ranging from life science to nanotechnology or fundamental physics as well as for quality control in various industries.

Numerous materials properties are probed in these well-known microscopes, which are otherwise complementary: Light Microscope, Transmission Electron Microscope (TEM and High-Resolution TEM, Scanning TEM), and Scanning Electron Microscope (SEM).

The evolution and optimization over the past few years of the microscopy associated techniques for characterizing a wide range of materials at different scales from the bulk to atomic level allowed a huge progress in the understanding of links between their features. These techniques play an important role on the enhancement and development of new materials and more sophisticated structures.

This Special Issue will be dedicated to materials related to microscopy techniques. Full papers, communications, and reviews are all welcome.



mdpi.com/si/55298

Special Issue



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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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