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## Advanced Instrumentation for Materials Characterisation and Fabrication

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### Message from the Guest Editors

The intimate connection between high-performance fabrication and characterisation catalyses and accelerates the development of emerging fields, such as micro-nano-electromechanical systems, photonics, and micro/nanofluidics, just to name a few. Integrating multiple functionality in a single instrument, such as in the case of atomic force microscopes or helium ion microscopes, capable of performing, on the same platform, imaging and nano-lithography, brings a plethora of advantages for both research scientists and industry. Among these, rapid prototyping, real time monitoring, and quality assessment stand out.

In this Special Issue, we are inviting you to submit reviews and original manuscripts highlighting latest advancements in the fabrication and characterisation of new materials/devices/design under the umbrella of advanced instrumentation.

Deadline for manuscript submissions:

**closed (20 April 2022)**



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# 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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