

## Special Issue

# Advances in Mechanical Testing of Engineering Materials

### Message from the Guest Editors

Currently, both the industry and the scientific community participate to a greater or lesser extent in the fourth industrial revolution codenamed Industry 4.0. The implemented idea is based on broadly understood information and its use in cyber-physical systems. Data is processed with the help of artificial intelligence and using various algorithms belonging to the 'big data mining' techniques. However, such systems would not exist without mechanical objects and information about their functioning. These objects take on more and more advanced forms, so in such a situation it becomes necessary to obtain reliable information about the material, and, in particular, its current state. The introduction of new diagnostic-oriented information on materials and technological processes to new systems seems to be an indispensable step that will keep pace with the emerging modern technical facilities. This Special Issue will be a necessary supplement and exchange of experience and achievements in acquiring new information on both classic and modern materials used in recent mechanical engineering.

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### Guest Editors

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### Deadline for manuscript submissions

closed (10 July 2022)



## Materials

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## About the Journal

### 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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