

## Special Issue

# Creep and High Temperature Deformation of Steels and Alloys

### Message from the Guest Editor

The demands on materials at high temperatures are steadily increasing for economical and ecological reasons. Stable microstructure and chemical composition of the steels and alloys are the key factors determining their properties. The development of new high-temperature materials requires optimization using understanding and feedback within the processing–microstructure–properties chain. As such, any theoretical and experimental research relating processing–microstructure and microstructure–properties is welcome in this Special Issue. New techniques in processing, microstructure characterization, and testing fit well within the scope of this Special Issue. Attention will also be paid to thermomechanical treatment and hot shaping as well as testing high temperature creep, fatigue, and fracture behavior on standard or sub-sized specimens composed from heat-resistant steels and alloys. Full papers, communications, and reviews are accepted.

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### Guest Editor

Dr. Jiri Svoboda

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### Deadline for manuscript submissions

closed (28 February 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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### Editor-in-Chief

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