

## Special Issue

# Stimuli-Responsive Hydrogels and Microgels

### Message from the Guest Editor

Although stimuli-responsive gels have been studied for decades, they are continuing to inspire researchers to find new formulations that better meet the challenges associated with specific applications in medicine and various industries, as well as to understand their physical properties and related behavior. Regarding microgels, they have become a highly active topic of research not only for applied studies, where they introduced new concepts for smart drug release and rheological control, but also for fundamental studies, where they constitute an ideal “soft” colloidal system useful for gaining new insights into biomimetic behaviors and phenomena like glass formation.

This Special Issue is open to contributions on all aspects of recent progress in the attractive field of stimuli-responsive hydrogels and microgels, including synthesis, characterization, physical properties, and dynamical behavior and applications that exploit their features. Original research papers, brief communication reports, as well as review articles, whether experimental or theoretical, are all welcome.

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### Guest Editor

Dr. Silvia Corezzi

Department of Physics and Geology, University of Perugia, Perugia, Italy

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### Deadline for manuscript submissions

closed (31 July 2021)



## Materials

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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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### Editor-in-Chief

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