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## Advances in Structural and Mechanical Properties and Characterization of Aerogels

Guest Editors:

### Prof. Dr. Barbara Milow

1. German Aerospace Center (DLR), Cologne, Germany  
2. Faculty of Mathematics and Natural Sciences, University of Cologne (UoC), Cologne, Germany

### Dr. Ameya Rege

Institute of Materials Research, German Aerospace Center (DLR), Linder Hoehe, 51147 Köln, Germany

Deadline for manuscript submissions:

**closed (30 December 2021)**

### Message from the Guest Editors

Dear Colleagues,

The properties of aerogels are controlled by their solid content, high porosity, pore size distribution, pore volume and the corresponding inner surfaces of the open porous network structure. As a result, materials with low densities, good thermal and acoustic insulation behavior, high sorption capacities, tunable electrical conductivities and last but not least highly variable mechanical properties, are obtained.

In this Special Issue, we invite authors to contribute their current research results with respect to the structure and mechanical properties of aerogels. The mechanical properties of aerogels can be changed not only by process control during chemical synthesis and drying, but also by combining them with different materials. Submissions pertaining to the following topics on aerogels will be considered.

- Novel approaches to improve the structure and mechanical properties of aerogels or aerogel composites;
- Characterization of the structural, fractal or mechanical properties;
- Modeling studies describing their structure–property relationships;
- Review articles on the abovementioned topics.



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Prof. Dr. Barbara Milow  
Dr. Ameya Rege  
Guest Editors

# Special Issue



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## Editor-in-Chief

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

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*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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