

# Special Issue: Recent Advances in Small-Angle Neutron Scattering

Dear Colleague,

I would like to invite you to submit a contribution to a Special Issue on Recent Advances in Small-Angle Neutron Scattering in the Journal Applied Sciences.

Small-Angle Neutron scattering as a method is extremely versatile, which is mirrored both in the experimental concepts and sample environments that are available for it, as well as the range of scientific fields employing SANS. Those range from biological and medical investigations, food science, polymers and various areas of soft condensed matter to magnetic interactions, data storage and material properties of turbine blades in material science and hard matter investigations.

All of those fields have their specific challenges, and often a solution for SANS experiment in one field can be transferred to be used elsewhere.

In order create a comprehensive overview over the most recent advances, both on the instrument technology side as well as the experimental side, there will be a dedicated special issue.

Here we want to collect reports such as:

1. New instrument designs
2. Instrument upgrades and fundamental improvements
3. Sample environment technologies and experimental support
4. Data treatment
5. Proof-of-principle experiments on systems that allow a general use, also for other systems
6. Dedicated different geometries/techniques linked with SANS, such as GISANS

All original articles, case reports, and review articles will be welcome.

If you are working in a SANS related field and have interesting progress on SANS as a technology, tool or concept to make, we cordially invite you to contribute to this special issue.

With kind regards  
Sebastian Jaksch  
Guest Editor

Deadline for manuscript submissions: **30 April 2021** (Considering the current situation, please do not hesitate to contact me if you need more time)

Please find further information at:

[https://www.mdpi.com/journal/applsci/special issues/small angle neutron scattering#info](https://www.mdpi.com/journal/applsci/special%20issues/small%20angle%20neutron%20scattering#info)

## Keywords

**Small-Angle Neutron Scattering, SANS, GISANS, sample environment, data treatment, novel methods, instrumentation, instrumentation upgrades, instrumentation design**

## **Further Information:**

### **\*Manuscript Guidelines\***

Submitted papers should not have been published previously, nor be under consideration for publication elsewhere. Peer-review is commissioned immediately upon receipt of the paper and the paper will be published immediately online upon final acceptance. We also encourage authors to send a short abstract or tentative title to amy.yu@mdpi.com in advance.

### **\*Publication Charge\***

An Article Processing Charge (APC) of CHF 1800 currently applies to accepted papers. Please note that for papers submitted after 31 December 2020 an APC of 2000 CHF applies.

### **\*How to Submit\***

Please visit the Instructions for Authors before submitting a manuscript at:

<http://www.mdpi.com/journal/applsci/instructions>.

Manuscripts should be submitted through the online manuscript submission and editorial system at <http://www.mdpi.com/user/manuscripts/upload/>. Choosing journal "Applied Sciences" and Special Issue "Recent Advances in Small Angle Neutron Scattering".

### **\*About Applied Sciences\***

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Applied Sciences is covered by leading indexing services, including the Science Citation Index Expanded, Scopus, and Inspec (IET). As an open access journal, everyone will be able to easily access and read your paper, as it will be freely available online.

### **\*Fast Publication\***

Manuscripts are peer-reviewed, and a first decision is provided to authors approximately 14 days after submission; acceptance to publication is then undertaken in 3.6 days (median values in 2020).

We hope you will find this topic of interest and look forward to hearing from you. If you have any questions on the matter, please do not hesitate to contact us.