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## Ultrafast X-ray Spectroscopies

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Deadline for manuscript  
submissions:

**closed (1 December 2020)**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to showcase the current state-of-the-art research activities using advanced ultrafast X-ray spectroscopies employing both soft and hard pulsed X-radiation. It will comprise contemporary scientific studies exploiting the rich variety and information content available by means of these time-resolved spectroscopy tools. Applications cover a wide range of fields from atomic molecular physics, chemistry, and biology to condensed matter and material sciences, and include highly excited plasma states. These have been applied to both crystalline materials and bulk liquid solutions doped with chromophores.

This Special Issue aims to cover recent developments in X-ray spectroscopy at FEL, synchrotron, and tabletop sources. Papers will address scientific applications, experimental results, or relevant instrumentation developments as well as theoretical studies.

Prof. Dr. Christian Bressler  
Dr. Thomas Tschentscher  
*Guest Editors*



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# Special Issue



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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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