

## Special Issue

# Ultra-Short Laser Pulses and its Application in Physics

### Message from the Guest Editor

Intense ultra-short laser pulses have been the key requirement in research and industry. Considering their wide range of applications and importance, a special topic is announced in this context. This special issue would cover topics, broadly ultra-short laser pulse generations and its applications, the interaction of ultra-short pulses with matter, generation of secondary sources as well as their applications. Generation of intense ultra-short pulse require complex, sophisticated techniques and metrology. Their applications presently covers atomic-molecular physics, plasma physics, material science, and the generation of novel light and particle sources. This special issue mainly aims to gather research articles focused on such topics. Submissions, presenting applications of secondary light and particle sources which are generated using intense ultra-short laser pulses are also welcome. I welcome you and your coworkers to submit your relevant research works for consideration for this special issue.

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### Guest Editor

Dr. Sudipta Mondal  
Surface Plasma Attosource Group, ELI-ALPS, 6728 Szeged, Hungary

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### Deadline for manuscript submissions

closed (31 December 2021)



## Applied Sciences

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Impact Factor 2.5  
CiteScore 5.5



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*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

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