

## Special Issue

# State-of-the-Art in Super-Resolution Optical Microscopy

### Message from the Guest Editors

In the last decades, the scientific community has proposed many strategies to overcome the diffraction barrier, each performing differently in critical aspects such as the maximum achievable spatial and temporal resolution, invasiveness, dependency on post-processing analysis, and compatibility with time-resolved assays. In such a broad and exciting scenario, it is often possible to find the technique characterized by the performance fingerprint that best suits the experimental needs. Within this framework, this Special Issue aims to cover advancements in the field of super-resolution optical microscopy by presenting novel techniques, improvements in technological implementations, new analysis tools to increase the information output, and critical applications. Keywords

- super-resolution
- optical microscopy
- nanoscopy
- fluorescence microscopy
- image analysis
- imaging

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### Guest Editors

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### Deadline for manuscript submissions

closed (10 August 2022)



## Applied Sciences

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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

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