



Spectroscopic Techniques in Biomedical Imaging and Analysis

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Message from the Guest Editors

Spectroscopic techniques are emerging tools for applications in the biomedical field, in particular, in their imaging and microscopic set-ups, which allow exploitation of them for screening, diagnostics, and monitoring purposes. The research works collected in the present Special Issue will be focused on the application of such spectroscopic imaging and analysis techniques to obtain high-resolution biomedical images of cells and tissues, able to shed new light on biological mechanisms, pathological processes, and modes of action of drugs and/or pathogens. In vitro, ex vivo, and in vivo applications will be considered. Moreover, research works dedicated to image processing software and approaches are welcomed.

Keywords:

- UV/visible spectroscopy
- near IR spectroscopy
- fluorescence spectroscopy
- vibrational spectroscopy
- hyperspectral imaging
- biomedical
- imaging
- diagnostic





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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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