

## Optical Spectroscopy And Computational Methods In Biology And Medicine Challenges And Advances In Computational Chemistry And Physics

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[Caption: Researchers have developed an extremely sensitive, yet simple optical method for detecting formaldehyde. Their approach is based on multipass spectroscopy, which introduces a laser through a small hole in a mirror. The laser light then bounces back and forth between mirrors, creating interaction lengths with the sample that are tens or hundreds of times the length of the cell.](#)

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Spectroscopy - Wikipedia

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to support the analysis by theoretical methods including chemometrics or 2 d correlation spectroscopy. demonstrated here approach connecting optical spectroscopy with computer methods is shown as a powerful tool that can be successfully used in biology and medicine to study very complex samples.

Optical Spectroscopy and Computational Methods

Computational Optical Biomedical Spectroscopy and Imaging covers recent discoveries and research in the field by some of the best inventors and researchers in the world. It also presents useful computational methods and applications used in optical biomedical spectroscopy and imaging.

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