

Special Issue

Raman Spectroscopy Techniques and Their Biomedical Applications

Message from the Guest Editors

Raman spectroscopy is a vibrational technique and relies on the inelastic scattering process of monochromatic light, usually from a laser in the visible, near-infrared, or near-ultraviolet range. Raman spectra provide highly specific fingerprints and give important information about molecular components in simple and complex samples. Nowadays, due to developments in Raman instrumentations and techniques, Raman Spectroscopy is important in the physical, biological, and medical sciences. In this Special Issue of *Applied Sciences*, we invite researchers and authors to submit their original research articles exploring recent advances and novel applications of Raman spectroscopy in biomedical science.

Guest Editors

Dr. Barbara Testagrossa

Department of Biomedical, Dental and Morphological and Functional Imaging Sciences, University of Messina, Via Consolare Valeria, 98125 Messina, Italy

Dr. Giuseppe Acri

Department of Biomedical, Dental and Morphological and Functional Imaging Sciences, University of Messina, Via Consolare Valeria, 98125 Messina, Italy

Deadline for manuscript submissions

20 September 2025



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/191200

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/appls





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



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.

Editor-in-Chief

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)