Special Issue

Raman Spectroscopy: An Important Technique in Medicine, Agriculture, and Biochemistry

Message from the Guest Editor

Raman spectroscopy (RS) is a modern analytical technique that provides information about molecular vibrations and consequently the structure of the analyzed specimen. The Raman effect is based on inelastic scattering of photons by molecules that are being excited to higher vibrational or rotational states. RS has been broadly used in various research fields ranging from forensic analysis of bodily fluids and food science to biochemistry and solid-state physics. In the last decade, several companies have developed handheld Raman spectrometers. This has enabled utilization of RS directly in the field for applications, such as forensics, agriculture, and mineralogy. This journal issue aims to attract interest of scientists to RS and related spectroscopic techniques. It also aims to demonstrate advantages and the most recent achievements of RS in medicine, agriculture and biochemistry.

Guest Editor

Dr. Dmitry Kurouski

Department of Biochemistry and Biophysics, Texas A&M University, College Station, TX 77843, USA

Deadline for manuscript submissions

closed (1 August 2019)



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/23995

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

mdpi.com/journal/molecules





Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).

