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

Guest Editor:

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

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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 hand-held 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.

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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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