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Raman Spectroscopy of Micro-structures

Guest Editor:

Prof. Marc D. Fontana
Laboratoire Matériaux Optiques, Photonique et Systèmes, Université de Lorraine and CentraleSupélec, 2 rue E. Belin, 57070 Metz, France

Deadline for manuscript submissions:
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Message from the Guest Editor

Raman spectroscopy (RS) is a well-known technique, which is broadly used in wide domains of physical chemistry, material physics, biology, engineering, and even planetary exploration. RS has become one of the leading tools to characterize the chemical composition and molecular structure of a material. A large amount of information about the nature of defects, the crystalline or amorphous character of a material, and the disorder can be provided by this technique.

In this issue, original papers and review articles are particularly expected to show the interest of RS in topics such as:

- The control of the preparation of materials such as thin films, nano- and microstructured materials, and the improvement of their quality;

- The probe of incorporation point defects and the study of the defect structure;

- The link with phase changes (coexisting phases, phase transitions);

- The enhancement of properties (mechanical, electronic , optical, etc.) via a better knowledge of the structure.

This issue could provide an overview of the various applications of this important tool in different domains of physics and chemistry.

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Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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