



an Open Access Journal by MDPI

Application of Infrared Spectroscopy in Petrography and Mineralogy Studies

Guest Editors:

Dr. Licia Santoro

Department of Earth Sciences, University of Torino, Via Valperga Caluso 35, I-10125 Torino, Italy

Prof. Dr. Giuseppina Balassone

Dipartimento di Scienze della Terra, dell'Ambiente e delle Risorse, Naples University, Campus Universitario Monte Sant'Angelo, Via Vicinale Cupa Cintia 21, 80126 Napoli, Italy

Dr. Carsten Laukamp

Commonwealth Scientific and Industrial Research Organization (CSIRO) Mineral Resources, Perth, Australia

Deadline for manuscript submissions: closed (23 September 2022)



Message from the Guest Editors

Dear Colleagues,

We are inviting submissions to the Special Issue on Application of Infrared Spectroscopy in Petrography and Mineralogy Studies.

In this Special Issue, we welcome authors to share and disseminate their research outcomes on the uses of IRS techniques (FTIR, VNIR-SWIR, LWIR, TIR) for the study of a wide range of mineral compounds as well as different types of materials in the fields of economic geology and mineral exploration (core samples, ore minerals and host rock), mineral engineering/processing (raw material, feed, and treated compounds), astronomy (meteorites and asteroids), civil engineering and material science (cements, clays, polymers), environmental studies (water contaminants, bottom and fly ashes), forensic studies (soils), archaeology and cultural heritage (raw material, lithic manufactures, ceramics, pigments). Research on in situ measurements, as well as laboratory measurements, will both be considered for publication. As for the importance of data validation via cross-checking analyses, the use of combined approaches with a major focus on IRS techniques, is also welcome.

Dr. Licia Santoro Prof. Dr. Giuseppina Balassone Dr. Carsten Laukamp







an Open Access Journal by MDPI

Editor-in-Chief

Message from the Editor-in-Chief

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

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), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/applsci applsci@mdpi.com X@Applsci