

Did you know that...

Raman spectroscopy is a technique that allows scientists to study the interaction of light with matter, particularly in the context of molecular vibration. **Raman spectroscopy has applications in various fields, including chemistry, materials science, pharmaceuticals, forensics, and biology.** It can be used to analyze the composition of solids, liquids, and gases, and it is especially useful for non-destructive analysis, and in situ measurements.

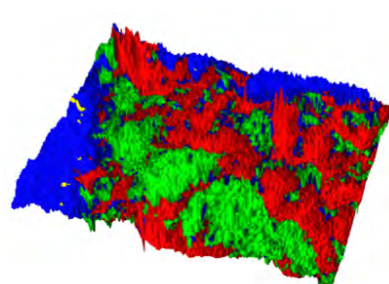
Overall, Raman spectroscopy is a powerful tool for understanding the molecular structure and composition of a wide range of materials.

In this video series, you can easily discover the tremendous number of application fields where Raman is applicable.

Follow Sarah, Céline and Thibault and discover some Raman applications: **Did you know that Raman can... series of videos on our [website...](#)**

Did you know that Raman can investigate the formulation of sunscreen?

[Cosmetics] Raman can help optimize sunscreen formulation by showing chemical distribution. **SmartSampling and the LabRAM Soleil offer a good solution to get the chemical distribution in few minutes instead of hours!**



[Read more](#)

Did you know that Raman can morphologically and chemically characterize microplastic particles?

[Environment] Microplastics are huge concern as they are a relatively new source of pollution that can affect health drastically. Characterizing their morphology and chemical nature is critical.

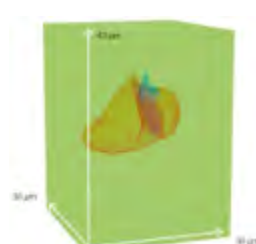
ParticleFinder and the LabRAM Soleil are the ideal tools to get chemical distribution of microplastics in few minutes instead of hours!



[Read more](#)

Did you know that Raman can find fluid inclusions?

[Geology] Understanding the origin of fluid inclusions helps us to learn more about our planet. Raman microscopes, thanks to their **high confocality, can provide a 3D image of the inclusions.**



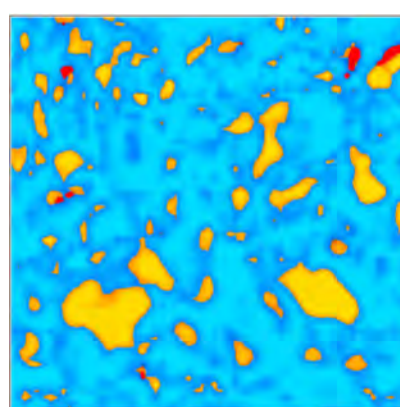
[Read more](#)

Did you know that Raman can realize real time analysis during charge / discharge cycles of Lithium-ion batteries?

[Energy] Raman spectroscopy combined with electro-chemical cells, shows structural changes occurring in Lithium-ion batteries.

Being contactless and fast, it does not influence the samples, and in the case of batteries, allows real-time analysis during charge/discharge cycles.

Easy-to-use, and information-rich, **Raman spectroscopy is an excellent tool on multiple analysis levels, from R&D to QC measurements.**



[Read more](#)

Meet HORIBA at...

[ICAVS12 \(12th International Conference on Advanced Vibrational Spectroscopy\):](#)

 **August 27 to September 1st, 2023**

 **Krakow, Poland**

[IFSCC 2023 \(International Federation of Societies of Cosmetic Chemists\):](#)

 **4th to 7th September, 2023**

 **Barcelona, Spain**


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 **24th to 29th September, 2023**

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[Raman Fest 2023: The 10th International Conference on Applied Raman Spectroscopy:](#)

 **9th to 10th November, 2023**

 **Paris, France**

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Our mailing address is:

HORIBA
14, boulevard Thomas Gobert
Passage Jobin Yvon - CS 45002
Palaiseau, 91120
France