

Webinar Abstract:

Many everyday products—from drinking water and packaged foods to electronics, pharmaceuticals, and more—rely on precise inorganic testing behind the scenes. Whether it's about evaluating trace minerals, monitoring contaminants, or assessing material purity, inorganic analysis plays a key role in maintaining quality and safety across industries.

However, obtaining actionable data involves more than measuring total elemental concentrations. Depending on your specific sample and analytical objective, quantifying ionic species, determining elemental speciation, or mapping spatial distribution within the sample can provide far deeper insights.

In this webinar, our experts offer a practical guide to matching your analytical goals with the right testing methods. Join them as they break down when to use ICP-MS for total element determination, LC-ICP-MS for elemental speciation, ion chromatography for ionic species, and laser ablation ICP-MS (LA-ICP-MS) for elemental imaging in applications such as geochemistry and biological tissues.

Furthermore, see how Shimadzu's cutting-edge solutions take the complexity out of advanced testing—saving you valuable time and boosting lab productivity. Register now to secure your spot!

Learning Objectives:

1. Gain insights into the different capabilities and application areas of ion chromatography, LC-ICP-MS, and LA-ICP-MS.
2. Explore the key features of the Shimadzu Nexera IC, including its compact design, automation functions, and flexible configurations for anion and cation analysis.
3. Discover how the Shimadzu ICPMS-2040/2050 series can be coupled with ion chromatography and laser ablation systems to support a wide range of trace-element, elemental-speciation, and spatial-analysis applications.