Guidepost Strontium: Isotope research in Analytical Ecogeochemistry

Recent developments of analytical techniques for isotope ratio measurements allow the access to new scientific insights in transdisciplinary research areas. In this lecture, the use of inductively coupled plasma mass spectrometry will be presented as one high-performance analytical method in isotope research. Selected applications in ecogeochemistry with a special focus on the Sr isotopic system will be presented making use of the natural variation as well as using isotopic spikes to monitor natural processes.