



**Dr. Karin Hain is** a senior scientist in the Isotope Physics group of the Faculty of Physics at the University of Vienna, Austria. She is responsible for Accelerator Mass Spectrometry (AMS) of actinides at the Vienna Environmental Research Accelerator (VERA) facility. She joined the group as a post-doc in 2016 after having received her PhD from the Technical University of Munich (Germany). With her background in reactor physics and nuclear engineering, she had used AMS to study potential plutonium releases into the Pacific Ocean from the Fukushima accident during her PhD work. For her work on the uranium ratio  $^{233}\text{U}/^{236}\text{U}$  as a new fingerprint of uranium releases into the environment, she received the award for experimental physics in 2020 from the Austrian Physical Society. At present, she is leading two projects to develop new ultra-sensitive detection methods including Ion-Laser-Interaction for promising long-lived radionuclide tracers to study ocean currents.