



PD Dr. Natalia P. Ivleva is a senior researcher and head of Raman & SEM Group at the Chair of Analytical Chemistry and Water Chemistry & Institute of Water Chemistry (IWC), Technical University of Munich (TUM). Her research interests focus on the analysis of complex environmental and industrial samples by means of Raman microspectroscopy, surface-enhanced Raman scattering, and stable isotope approach, with special attention on online/high-throughput analytics. She combines Raman-based methods with different separation and fractionation approaches for the identification, quantification, and characterization of various analytes/pollutants, ranging from biofilms and microorganisms through engineered (magnetic) nanoparticles to micro- and nanoplastics.