

Beatrice Battistini - Curriculum Vitae

Beatrice Battistini is a contract researcher at the Istituto Superiore di Sanità (ISS), Department of Environment and Health (DAMSA), Human Exposure to Environmental Contaminants Unit (EUCA). Her research experiences focused on the determination of essential and toxic metals, metallic species, and nanomaterials in human and environmental matrices to assess the population exposure and related toxicological risk. To this end she developed and validated advanced analytical methods based on inorganic mass spectrometry, such as quadrupole and sector field ICP-MS, single particle-ICP-MS and coupled techniques like field flow fractionation-multi angle light scattering-ICP-MS, ion chromatography-ICP-MS. In 2019, she obtained M.Sc. cum laude in Pharmaceutical Chemistry and Technology at Sapienza University of Rome (Italy), with a thesis project entitled “Nanoparticelle di metallo in inchiostri per tatuaggi: caratterizzazione chimico-fisica e preliminare valutazione della tossicità *in vitro*” carried out at ISS (DAMSA). In 2020, Beatrice Battistini started her Ph.D. in Nursing Science and Public Health at the University of Rome Tor Vergata, Department of Biomedicine and Prevention, on the research project titled “Ruolo dei metalli nelle malattie del sistema muscoloscheletrico: esposizione ed effetto nei pazienti osteoporotici”. In 2022, she obtained a research contract at the ISS (DAMSA) on the Ministry of Health project “ARTOO-Assessment of skin and systemic toxicity in patients undergoing laser tattoo removal”. From 2024 till now, she is working as a contract researcher on the ISS-LAV project “Valutazione dell’assorbimento cutaneo di nanomateriali: uso di metodi *in vitro* alternativi alla sperimentazione animale”. She also collaborates on the following projects: the PNC project “Biomonitoraggio di micro e nanoplastiche biodegradabili: dall’ambiente all’uomo in una prospettiva One Health (BioPlast4SAFE)” and the ISS-Metropolitan City of Turin project “SPoTT 2 - Piano di sorveglianza sanitaria e di conoscenza della variazione dello stato di salute della popolazione residente nei pressi dell’impianto di termovalorizzazione di rifiuti di Torino”. She is the author of 26 contributions in scientific journals and conference proceedings (Orcid = 0000-0002-5847-2575, Scopus Author ID: 57212446356; H-index = 7). She has presented her research at national and international conferences, primarily focusing on human exposure to metals and nanomaterials, and analytical methods for their determination.

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