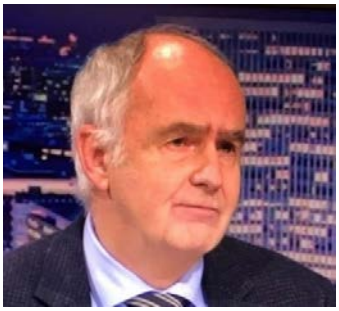
Laura Depero

Laura Eleonora Depero is Full Professor in Fundamental Chemistry for Technologies and Responsible of Chem4Tech Lab and is one of the top Italian Scientist in Material & Nano Sciences. She has been responsible of many national and European projects and author of more than 330 scientific publication. In particular, she is an expert in the physical-chemical characterization of materials and Chairperson of ISO/TC 201/SC 10 “X-ray Reflectometry (XRR) and X-ray Fluorescence (XRF) Analysis”. From 2011, she is one of the Representatives for Italy in VAMAS and the coordinator of VAMAS TWA 45 Micro and Nano Plastics in the Environment .



Jacob de Boer

Jacob de Boer is Professor of Environmental Chemistry and Toxicology at the Faculty of Sciences, Vrije Universiteit Amsterdam, The Netherlands. He obtained a PhD in analytical chemistry at the Vrije Universiteit in 1995. Prof. de Boer has worked for 47 years on the environmental contamination and analysis of polychlorinated biphenyls, flame retardants, perfluorinated compounds and other contaminants, including microplastics.

In 1998 he won the Excellent Scientist Award of the Wageningen University. In 2015 he was honoured as one of the most cited scientists in his field (Top 1%) according to Thomson & Reuter. He is a member of the QUASIMEME Scientific Assessment Group, and member of the Scientific Advisory Panel of the CEFIC Long Range Initiative. He has (co)coordinated a number of European research projects, such as for example the ENFIRO project on alternatives for brominated flame retardants and CleanSea, on microplastics in the marine environment, and many research projects for other international organisations and industries. Currently, he is involved in three EU research projects CHLOFFIN, EUROqCHARM and REVAMP, all with a relation to certified reference materials for contaminants/microplastics. He organised numerous international interlaboratory studies on contaminants, such as currently on microplastics. He is a regular reviewer of scientific projects and programmes in various countries.

He has published 240 peer reviewed articles with an average citation of 57.0 per article, among which one paper in Nature and one in Science, two books and 21 book chapters. His H-index is 58. He is editor-in-chief of Chemosphere (Impact factor 7.1) and member of the editorial board of the Handbook of Environmental Chemistry.

Chelsea Rochman

Chelsea Rochman is an Assistant Professor in Ecology at the University of Toronto, co-founder of the U of T Trash Team, and a scientific advisor to Ocean Conservancy. Chelsea received her PhD in Ecology from a joint program between University of California, Davis and San Diego State University in 2013. She then was a Smith Postdoctoral Fellow in Conservation Biology. She was hired as an Assistant Professor at the University of Toronto in the Department of Ecology and Evolutionary Biology in 2016. Chelsea has been researching the sources, sinks and ecological implications of plastic debris in marine and freshwater habitats for more than a decade. She has published dozens of scientific papers in respected journals and has led international working groups about plastic pollution. In recognition of her impact, Chelsea Rochman

is a recipient of the Sloan Fellowship and was the 2021 winner of the Carolyn Tuohy Impact on Public Policy Award, a University of Toronto Award of Excellence. Chelsea Rochman routinely provides testimony on Parliament Hill and is a scientific advisor to the United Nations, G7, and European Union.

Claus Gerhard Bannick

Dr Claus Gerhard Bannick is head of the unit Wastewater Technology Research and Wastewater Disposal at the German Federal Environment Agency. His unit includes a laboratory in which research on microplastics has been actively conducted for 6 years. Since 1992, he has also been active in various standardization committees and positions in ISO, CEN and DIN. He currently chairs two working groups in the context of microplastics in ISO TC 61 plastics and in ISO TC 147 Water Quality. He is also a member of microplastic groups in ISO TC 38 Textiles and CEN TCs 248 Textiles and textile products and 249 Plastics.

Enrica Alasonati

Enrica Alasonati (PhD) is a permanent researcher in the Inorganic Chemistry Department since 2011. She obtained her PhD in Environmental Chemistry in 2009 at EPFL (Ecole Polytechnique Fédérale de Lausanne), Switzerland, working on the development of FFF and fractionation techniques for the characterization of

environmental colloids. She is currently responsible for the speciation analysis activities in the Department of Inorganic Chemistry. She was responsible for several tasks in several EMRP/EMPIR JRPs (ENV08 WFD, ENV51 MeTra, METVES II). She is vice-chairman of the G4F, French FFF group in the French Separative Science Association. Enrica participates in projects devoted to the development of reliable methods for the characterisation of micro and nanoplastics in environment and food matrices. In particular, she develops sample preparation procedures based on A4F. She is workpackage leader in the recently selected JRP "Metrological traceability of measurement data from nano to small-microplastics for a greener environment and food safety

Håkan Emteborg

Dr. Håkan Emteborg has a PhD in Analytical Chemistry from Umeå University, Sweden (1995). He is author/co-author of about 80 publications. Since 2003, he is a scientific project manager at the European Commission's Joint Research Centre in Geel, Belgium (EC-JRC). Since 2005, he is managing the Reference Material Processing facility at the EC-JRC. This facility has a wide range of different equipment for stabilising and homogenising of raw materials (mainly) of biological origin for preparation of candidate reference materials. He is also leading the Reference Material Production Laboratory that encompasses a wide range of analytical techniques. His main research interests are focussed on the development of new innovative types of reference materials and process analytical techniques.

John Kucklick

Dr. John Kucklick is the leader or the Biochemical and Exposure Sciences Group (BES) in the Chemical Sciences Division of the National Institute of Standards and Technology (NIST) where he started in 1997. He has extensive experience developing analytical methods, environmental matrix reference materials, and quality assurance studies for legacy and emerging organic contaminants authoring over 150 peer-reviewed publications. He has also published extensively on the occurrence of organic contaminants in the marine environment with an emphasis on marine indicator species such as marine mammals. The BES group, which he heads, is split among three locations: Charleston, South Carolina at the Hollings Marine Laboratory, the Center for Marine Debris Research (CMDR) in Waimanalo, Hawaii in association with Hawaii Pacific University, and Gaithersburg, Maryland. The BES group has three focus areas: the environmental chemistry of organic contaminants, omics focusing on proteomics, metabolomics, and non-targeted analysis, and plastic pollution measurement. The group has extensive analytical capability in gas- and liquid chromatography mass spectrometry including high-resolution mass spectrometry, nuclear magnetic resonance (NMR) spectroscopy, bioinformatics, and optical spectroscopy used for polymer identification. The CMDR team, headed by Dr. Jennifer Lynch, has a well-equipped laboratory for polymer identification including RAMAN, FTIR, differential scanning calorimetry, and pyrolysis GC-MS. Our plastic pollution measurement team helps support NIST's Circular Economy program and closely aligns with US and international efforts to improve the metrology and understanding of marine plastic pollution.

Susanne Belz

Dr Susanne Belz is an analytical chemist by training and has experience in multiple scientific fields from environmental and food chemistry to toxicology and pharmaceutical quality. After 10 years in research, she worked for a short period in a contract laboratory and subsequently in a regulatory agency, before joining, in 2011, the European Commission's Joint Research Centre. Her activities has included analytical development, quality assurance and standardisation. Since 2019, she is working on microplastics and (co-)led several JRC activities in this area.