



Curriculum Vitae Europass



Personal Information

Name	Emanuela Testai
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E-mail	emanuela.testai@gmail.com ; emanuela.testai@iss.it (till August, 2025)
Nationality	Italian
Date of Birth	10.09.1957
Place of Birth	Viareggio (LU)
Fiscal code	TSTMNL57P50L833C

Professional Sector Scientific research and regulatory activities in the area of toxicology and risk assessment

Professional experience Istituto Superiore di Sanità (ISS)

Date 1982-1984 (as researcher fellow)
1985-2024 (as part of the permanent staff)

Positions Present Position: retired since 1-10.2024.
Previous positions : Executive scientist (Dirigente di ricerca) (2007-2024) at Istituto Superiore di Sanità (ISS) Department for Environment and Health, Head of the 'Mechanism, Biomarkers and Models' Unit (2022-2024); senior researcher (1994-2007); young researcher (1985-1994); research fellow (1982-1985) - Responsible for the Biochemical Toxicology Unit (Toxicology and Ecotoxicology Lab) (2001-2004) Head of the 'Mechanism of Toxicity Unit' - Department for Environment and Primary Prevention (2009-2016) at ISS

Activities Research and regulatory activities in the field of Toxicokinetics, Toxicology, Mechanisms of toxicity and Human Health Risk Assessment associated to exposure to natural and synthetic environmental pollutants/chemicals including biocides, pesticides, cosmetics, environmental and food contaminants, flavouring substances, consumer and industrial products, medical devices, natural toxins. Teaching activities related to the same issues. Membership to Working groups or committees (WHO; OECD; EFSA; European Commission). Scientific responsibility of national and international projects. Dissemination activities via publication of papers, web sites and participation to Congresses, webinars, workshops. Teaching activities in the area of expertise

Employer From 1985 to 2024 Istituto Superiore di Sanità Department for Environment and Health -Viale Regina Elena, 299 - 00161 Rome Italy

Education

Date November 1976 - July 1981

Title Dr in Biological Sciences with focus on biochemistry and enzymology
Laurea (summa cum laude) in Biological Sciences

Organization University of PISA (Italy)

Expertise

Mother tongue Italian

Other languages

Evaluation	Understanding		Speaking	Writing
<i>EU score</i>	Listening	Reading		
English	C2	C2	C2	C2

Social Skills From the very beginning, during the professional career at ISS, working in team has been the rule more than the exception; in more recent times she has acted as team leader.

Affiliation Societies and Related Activities

- International Society for the Study of Xenobiotics ISSX Member 1992-2010; Councillor elect (1998-2001; 2006-2009)
- Società Italiana di Tossicologia SITOX Member since 1984; Member elect of the Executive Board (2009-2011; 2012-2014; 2018-2022; 2023-2026)
- Italian Association of In Vitro Toxicology CELLTOX Member 1995-2010; Secretary (1996-1998) and President (1999-2001)
- European Society of in vitro Toxicology ESTIV: Member 1998-2010; Member of the Executive Board of ESTIV ((2000-2002) and Vice-president (2002-2004)

Driving licence B

Technical skills Research Interests :

Molecular mechanisms of toxicity; biotransformation, toxicokinetics and toxicity of xenobiotics (pesticides, environmental and food pollutants, cyanotoxins); enzymology of drug-metabolizing systems in hepatic and extra-hepatic tissues; metabolic biomarkers of individual susceptibility to toxic compounds; application of mechanistic data and toxicokinetics to risk assessment for human health, development of in vitro methods and NAMs as alternatives to animal testing.

Techniques are the ones used in biochemistry, molecular biology and analytical labs. Use of the Office package, various platforms for online meetings and sharing documents, search engines and database consultation for extensive literature search.

Regulatory activities:

Risk assessment for human health for environmental and dietary contaminants and other man-made and natural chemicals

Critical evaluation of dossier submitted by Applicants for the authorization of active substances and plant protection products, biocidal product and other kind products at National and European Level

Preparation of opinions and position papers answering requests coming from the Italian Ministry of Health, other Ministries, National Health System (SSN), preparation of document as a member of Working Groups or Scientific Committee within International organizations with focus on toxicology, risk assessment, use of NAMs, kinetics and mechanistic approach in risk assessment

Teaching activities:

- teacher at the University of Rome 'La Sapienza' (2004-2007) Toxicological Analysis teaching within the Environmental Toxicology course

- teacher in different modules of Master Courses at the Universities of Bologna, Rome, Salerno, Siena, Pisa, Milan and Venice.

- teacher in institutional courses organized by ISS, local authorities, SITOX, Celltox

- Participation as STE (Short term Expert) in 8 EU funded Twinning Projects

Organizational skills Scientific Leader of National/EU Research Projects on metabolism and toxicity of xenobiotics and active participant to National and International Projects granted by the Italian Ministry of Health, EU, the National Research Council, NATO. Workpackage leader in the FP7/EU funded project PredictIV (2009-2013) and in Project leader of the EFSA procurement OC/EFSA/SCER/2014/04 (2014-2015) and of the EFSA project GRANT GA/EFSA/SCER/2015/01 (2016-2021), Scientific leader for Italy within the EU Partnership PARC (2022-2029) Participant as WP leader in many other projects.

Member of the organizing and Scientific committee of >35 national/international meetings.

Invited speaker in more than 70 national/international meetings

Member of National and European Committees :

- Scientific Committee (SC) on Health and Environmental Risk (SCHER) EU-DG Sanco (2004-2008; 2009-2012).

-SC on Emerging and Newly Identified Health Risk (SCENIHR) EU-DG Sante (2013-2015).

-SC on Health, Environmental and Emerging Risk (SCHEER) EU-DG Sante (2016-2025).

- Flavouring Risk Evaluation (2001-2007) for EU SCF then FLAVIS Working Group (EFSA)

- EFSA WGs as an external expert for the area of kinetics, toxicological evaluation and risk assessment (e.g. pesticides, BPA risk assessment, Endocrine active chemicals, Chemical Mixtures, Margin of Exposure, etc...) (2004-today)

- Working Group for the Risk Assessment of Existing Chemicals - EU Reg. 73/93/CE (1998-2008)

-National Committee for Plant Protection Products (CCPF and then CTNSA: 2000-2024)

-National Committee for Biocides (2003-2006):

-Italian National Toxicology Committee (1995-1997);

-OECD Test Guidelines Program (1998-2024);

-WHO WG on 'Guidelines for Drinking Water Quality: Chemical aspects' (2016-2026)
-Working Group of the European Commission (DG JRC) for the Revision of the TGD on Risk Assessment (2000-2002).
ISPRA (Istituto Superiore per la Ricerca Ambientale) Scientific Committee (2022-2026)

Other information

-GLP (Good Laboratory Practice) Inspector (1997-2015; area of expertise: Metabolism and Toxicokinetics; Toxicology). More than 70 inspections carried out.
-Reviewer activity for: Water research, Environmental Science and Technology, Life Science, Environmental Toxicology and Pharmacology, Toxicology in Vitro, Pharmacological Research, Journal of Biochemical and Molecular Toxicology, Science of Total Environment, Drug Metabolism and Disposition, Food and Chemical Toxicology, Analytica Chimica Acta, Asia-Pacific Journal of Clinical Nutrition, Toxicology, Environmental Toxicology, Toxicology.
-Member of the Editorial Board of Drug Metabolism Reviews (2002-2008)&Toxicology in vitro (2005-today)
- Co-Editor of Toxicology Letters (2021-2026) Guest Editor of Special Issues of Toxicology in Vitro, Toxicology Letters, Pharmacol.&Toxicol. and Istisan Reports.
-Reviewer of Research Projects submitted for financial support to the Italian Ministry of University and Scientific Research (2001-2003; 2005)

Scientific Publications :

Peer-reviewed international journals and book chapters 168
Other publications 82
Congress Communications: 199
Technical Reports and Opinions >800

(i.e. opinions for the Ministry of Health and the National Health System, opinions for the above mentioned EU Scientific Committees, EFS, WHO, Monographs for inclusion in Annex I to EU Directive regulating Plant Protection Products and Biocides).

H index (Scopus): 44

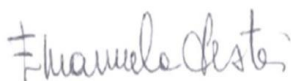
H Index (Scholar): 52 (i10-index: 127)

Signature



Date 14.05.2026

Autorizzo il trattamento dei dati personali contenuti nel mio curriculum vitae in base art. 13 del D. Lgs. 196/2003;



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