

Curriculum Vitae

Last name, First name: Testai Emanuela

Gender: F

Nationality/ies: Italian

Overall Scientific Expertise:

The expertise of Dr. Testai is focused on mammalian toxicology and in risk assessment for human health, with specific interest on toxicokinetics and xenobiotic metabolism, molecular mechanisms of toxicity, metabolic biomarkers of individual susceptibility. She has been involved in research and regulatory activities as well as in teaching in the area of human risk assessment, associated to exposure to natural and synthetic chemicals with different field of application (plant protection products, biocides, environmental pollutants, persistent compounds, industrial products, cyanotoxins; food contaminants and flavourings). Scientific Leader of National/EU Research Projects on metabolism and toxicity of xenobiotics.

Professional Experience

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation [^]
2007-today	Senior/Executive Researcher (permanent staff) Head of the Unit	Istituto Superiore di Sanità Rome –Italy Department of Environment and Primary Prevention Mechanism of Toxicity Unit	Toxicology (mammalian general toxicology of natural and man-man contaminants, mechanism of toxicity, toxicokinetics (ADME), alternative methods, gene-environment interaction, cyanotoxins, human health risk assessment)
1994-2007	Researcher (permanent staff)	Istituto Superiore di Sanità Rome –Italy 1) Department of Environment and Primary Prevention (from 2004) 2) Comparative Toxicology and Ecotoxicology Lab. Biochemical toxicology Unit (1994-2004)	Toxicology (xenobiotic metabolism, mechanism of toxicity, toxicokinetics, individual susceptibility, in vitro toxicology, human health risk assessment)
1985-1993	Young Researcher (permanent staff)	Istituto Superiore di Sanità Rome –Italy Comparative Toxicology and Ecotoxicology Lab. Biochemical toxicology Unit	Toxicology (xenobiotic biotransformation, enzymology of drug-metabolizing systems, species-specificity of toxic effects)
1982-1985	Grant fellow	Istituto Superiore di Sanità Rome –Italy Toxicology Lab. Biochemical toxicology Unit	Biochemistry (biotransformation, enzymology of drug-metabolizing systems)

1979-1981	Undergraduated student	Istituto di Mutagenesi e Differenziamento CNR Pisa- Italy	Biochemistry (Biotransformation, enzymology of drug-metabolizing systems)
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Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation
1981	Laurea (summa cum laude)	University of Pisa – Faculty of Biological Sciences Italy	Biology (biochemistry/enzymology)

Memberships in Scientific Advisory Bodies/Committees/Panels:

- Scientific Committee on Emerging and Newly Identified Health Risk (SCENIHR) EU – DG-Sanco: 2013-2016 (Appointed as vice chair).
- Scientific Committee on Health and Environmental Risk (SCHER) EU – DG-Sanco: 2004-2008; 2009-2012.
- FLAVIS Working Group (EFSA) on Flavouring Risk Evaluation (previous SCOOP/FLAV) (2001-2007)
- Member of *ad hoc* WG at EFSA for the preparation of specific opinions (e.g. BPA in food, 2010; Document on endocrine disruptors, 2013)
- OECD Test Guidelines Program (since 1998);
- National Committee for Plant Protection Products at the Italian Ministry of Health (since 2000)
- Working Group for the Risk Assessment of Existing Chemicals - EU Reg. 73/93/CE (1998-2008)
- National Committee for Biocides at the Italian Ministry of Health (2003-2006):
- Working Group of the European Commission (DG JRC) for the Revision of the TGD on Risk Assessment (2000-2002).
- Italian National Toxicology Committee (1995-1997);

Memberships in Learned Societies (if any):

Presently member in:

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

Memberships in Editorial Boards (if any):

Drug Metabolism Reviews (2002-today) and Toxicology in vitro (2005- today)

Reviewer's activity for: *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 Letters, Environmental Science and Technology; Water Research, Archives of Toxicology, Critical Reviews in Toxicology, Chemico-biological Interactions .

List of Publications:

Peer-reviewed international journals and book chapters	102
Other publications	28
Congress Communications:	152
Technical Reports and opinions *	382

* (ISS technical reports and opinions to answer to requests from the Ministry of Health, Regions or other Agencies of the National Health System; technical reports and opinions for the above mentioned committees; Monographs for inclusion in Annex I to EU Regulations on Plant Protection Products and Biocides; opinions as Rapporteur/Chair/member of specific WGs: 20 EFSA opinions, 17 SCHER opinions and 5 SCENIHR opinions- not listing the ones discussed and commented as member of the Committees)

Seven representative publications :

1. F.M. Buratti, A. D’Aniello, M.T. Volpe, A. Meneguz and **E. Testai** Malathion bioactivation in the human liver: the contribution of different P450 isoforms. *Drug Metab. Dispos.*, **33**, 295-302 (2005).
2. E. Funari and **E. Testai** Human health risk assessment related to cyanotoxins exposure. *Critical Rev. Toxicol.*, **38**, 97-126 (2008).
3. S. Adler, D. Basketter, S. Creton, O. Pelkonen, J. van Benthem, V. Zuang, **E. Testai**, et al. Alternative (non-animal) methods for cosmetics testing: Current status and future prospects – 2010, *Arch. Toxicol.* **85**, 367-485 (2011).
4. S. Vichi, E. Medda, A.M. Ingelido, M.G. Porpora, A. Ferro, S. Resta, L. Nisticò, A. Abballe, E. De Felip, S. Gemma and **E. Testai** Genetic polymorphisms of Glutathione Transferases and exposure to PCBs in the susceptibility to endometriosis: A gene-environment interaction. *Fertility and Sterility* **97**, 1143-1151 (2012).
5. **E. Testai**, C.L. Galli, W. Dekant, M. Marinovich, A.H. Piersma, R.M. Sharpe A plea for risk assessment of endocrine disrupting chemicals *Toxicology* **314**, 51-59 (2013).
6. N.I. Kramer, E. Di Consiglio, B.J. Blauboer, **E. Testai** Biokinetics in repeated-dosing *in vitro* drug toxicity studies *Toxicol. In Vitro* **30**, 217–224 (2015).
7. **E. Testai**, S. Scardala, S.Vichi, F.M. Buratti and E. Funari Risk to human health associated with the environmental occurrence of cyanobacterial neurotoxic alkaloids anatoxins and saxitoxins *Critical Rev. Toxicol.* Published online 26 February 2016 (2016).

Rome, April 5, 2016

