



## Europass Curriculum Vitae

### Personal information

First name / Surname	<b>FRANCESCA METRUCCIO</b>	
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E-mail	<a href="mailto:francesca.metrucchio@icps.it">francesca.metrucchio@icps.it</a>	
Nationality	Italian	
Date of birth	01/04/1974 Ivrea (TO) Italy	
Gender	Female	

### Occupational field

#### Work experience

Dates	<b>05/2005 → to date</b>
Occupation or position held	Occupational health and toxicology expert

**Main activities and responsibilities**

From 2005 to present:  
 National expert for the evaluation of mammalian toxicology and operator exposure assessment, on behalf of industrial dossiers assessment within the EC registration process of plant protection products and active ingredients (directive 91/414/EC).  
 In particular:  
 From 2005 to 2006: acute and short term toxicity assessment.  
 From 2006 to the present: acute, short term, long-term and carcinogenicity toxicity assessment  
 From 2007 to the present: acute, short term, long-term and carcinogenicity, genotoxicity, reproductive, and developmental toxicity assessment

Consultant to the Italian Ministry of Health to prepare registration report on plant protection product at national level.

Participation as Italian delegate at EFSA expert meetings in 2007, 2008, 2009, 2010, 2012, 2014  
 Participation as Temporary advisor at FAO-WHO JMPR (Joint Meeting on Pesticide Residues) in 2008, 2010, 2012

From 2008 to 2010:  
 Coordinator of the ICPS group of experts in charge for preparation of monographs on active substances and registration report on plant protection product.

Data collection experience:  
 From 2012 to 2013: Toxicologist in charge for liver and gallbladder data collection and data entry analysis in: European Food Safety Authority Project: *Toxicological data analysis to support grouping of pesticide active substances for cumulative risk assessment of effects on liver, on the nervous system and on reproduction and development.*  
 From 2013 to the present: ICPS team leader for: European Food Safety Authority Project: *Toxicological data collection and analysis to support grouping of pesticide active substances for cumulative risk assessment of effects on the nervous system, liver, adrenal, eye, reproduction and development and thyroid system.*

Teaching experience: Lecturer in Toxicology, Occupational Health and risk assessment for the operator exposed to pesticides at the University of Milan.  
 Scientific secretariat and teacher in European Master in Risk Assessment (second edition 2006-2007, and third edition 2009-2010)

**Name and address of employer** Azienda Ospedaliera – Polo Universitario Ospedale Luigi Sacco  
 International Centre for Pesticides and Health Risk Prevention (ICPS)  
 Via Stephenson, 94 20157 MILANO

**Type of business or sector** Health

**Education and training**

**Dates** **11/2003**

**Title of qualification awarded** Diploma of Specialist in Occupational Medicine

**Name and type of organisation providing education and training** Università degli Studi di Milano, Italy

**Dates** **10/1999**

**Title of qualification awarded** Degree in Medicine and Surgery

**Name and type of organisation providing education and training** Università degli Studi di Milano, Italy

**Personal skills and competences**

Mother tongue(s) **Italian**

Other language(s)

Self-assessment

*European level (\*)*

**English**

<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences	Coordinator within ICPS for preparation of monographs on active substances and registration report on plant protection product
Organisational skills and competences	Provided training courses on toxicology, occupational health and operator exposure assessment to occupational technicians, firemen, veterinaries, occupational physicians and university students
Technical skills and competences	In the frame of the EU authorization process of plant protection products: pesticide toxicity assessment, risk assessment for the operator exposed to pesticides, use of predictive exposure modeling for pesticide registration purposes for pesticide operators. Benchmark dose modeling stage at the U.S. Environmental Protection Agency (research triangle park, Durham, EPA headquarters Washington DC).
Computer skills and competences	Computer literacy: proficient with Mac/PC word, Excel computer software, Acrobat/Creator, computer graphic (PowerPoint/ Keynote), Database (Access/ File Maker), Internet.
Artistic skills and competences	painting
Driving licence	Cars (<3.5 t)

## Additional information

### Participation into research projects:

- “Study of the mechanism of cardio respiratory effects inducted by particles of urban air pollution” PM-CARE (From 2004 to 2009), co financed by Italian Ministry of Education, University and Research
- “Co-ordination action on Indoor Air Quality and Health Effects: Interfacing science and policy making in the field of indoor air quality” En VIE ( From 2004 to 2008), funded by European Union
- “Updating the ILO list of Occupational Diseases annexed to recommendation n° 194” funded by International Labour Office. (2004-2005)
- Development of Public Health Indicators for Reporting Environmental/Occupational Risks Related to Agriculture and Fishery (DIRERAF 2004-2007) European project.
- Harmonised environmental indicators for pesticide risk (HAIR 2003-2007) European project.
- European Content for Public health awareness of Rural population on Avian Influenza Prevention. (ECORAIP 2007-2009) European project.
- Toxicological data analysis to support grouping of pesticide active substances for cumulative risk assessment of effects on liver, on the nervous system and on reproduction and development. European Food Safety Authority Project n° CFT/EFSA/PRAS/2012/07-CT 01, 02 and 03 (2012-2013)
- Toxicological data collection and analysis to support grouping of pesticide active substances for cumulative risk assessment of effects on the nervous system, liver, adrenal, eye, reproduction and development and thyroid system. European Food Safety Authority Project n° GP/EFSA/PRAS/2013/02 (2013-2015)
- LRI-B10 A comparison between NOAELs from animal data with those from human data. The European Chemical Industry Council Long-range research initiative project (2014-2016)
- Compilation of a database, specific for the pesticide active substance and their metabolites, comprising the main genotoxicity endpoints. European Food Safety Authority Project n° GP/EFSA/PRAS/2014/01 (2014-2016).

### Poster presentation

- Development Of A Method To Assess The Pesticide Risk Profiles In Greenhouses. Global Meeting WHO CCs on occupational Health. 2006 Stresa, Italy
- Respiratory Effects Of Short Term Exposure To Urban Particulate Matter – The Pm-Care Project. 2) Cardiovascular effects of short-term exposure to urban particulate matter : the PM-CARE study International Congress on Occupational Health ICOH Milano (Italy)
- ICPS Training Activities. Eighth Meeting of the Global Network of Collaborating Centres in Occupational Health - Geneva, Switzerland.2009
- Mortality Study Among Workers In A Chemical Plant In Lombardy. Società Italiana di Medicina del Lavoro e Igiene Industriale (SIMLII) 2010 Roma ITALY
- Effect of the co-exposure of ethanol and fluconazole on in vitro post-implantation rat embryo development. EUROTOX 2015. Porto, Portugal

### Oral presentation

- Italian Data Reporting System Among Agriculture Occupational Health. 4th Croatian Congress On Occupational Health With International Participation "Health And Work - Key Of Life" 14th International Congress On Occupational Health Services, Occupational Health Services In Transition In Eastern And Western Europe, Dubrovnik, Croatia. 2007
- Valutazione E Gestione Del Rischio Da Antiparassitari In Agricoltura: L'esperienza Delle Regione Lombardia. 70° Congresso Nazionale S.I.M.L.I.I. Società Italiana Di Medicina Del Lavoro, Roma (Italy), 2007
- Astenopia E Parametri Oftalmologici In Addetti A Videoterminale. Società Italiana di Medicina del Lavoro e Igiene Industriale (SIMLII) 2015 Milano ITALY
- Il Nuovo Strumento Efsa Per La Valutazione Dell'esposizione Dell'operatore Agricolo (Aoem 2012): Confronto Con I Precedenti Modelli. Società Italiana di Medicina del Lavoro e Igiene Industriale (SIMLII) 2015 Milano ITALY

## Relevant bibliography Original Articles

- Maroni M, Fanetti AC, Metruccio F. *Risk assessment and management of occupational exposure to pesticides in agriculture*. Med Lav 2006; 97(2): 430-7.
- S Fossati, F Metruccio, P Urso, L Ruggeri, M Ciammella, S Colombo, M Cerchiello, A Mauro, M Tibiletti, M Pecis, G De Vito, A Pini, P Carrer, A Grieco, M Sergi, M Viecca, G Cesana, M Maroni. *Effects of short-term exposure to urban particulate matter on cardiovascular and respiratory systems: the PM-CARE Study: Epidemiology*. - ISSN 1044-3983. - 17:6 suppl (2006). - p. s528.
- S. Fossati, M. Ciammella, F. Metruccio, M. Cerchiello, A. Mauro, M. Tibiletti, G. De Vito, A. Pini, P. Carrer, A. Grieco, M. Viecca, G.C. Cesana, M. Maroni. *Cardiovascular effects of short-term exposure to urban particulate matter : the PM-CARE study /*. - In: *Renewing a Century of Commitment to a Healthy, Safe and Productive Working Life : 28th International Congress on Occupational Health : Book of Abstracts : Milan, Italy, June 11-16, 2006*. - [s.l.] : [s.n.], 2006. - p. 350-350.
- F. Metruccio, S. Fossati, S. Colombo, P. Urso, D. Bosio, M. Pecis, M. Sergi, P. Carrer, M. Maroni. *Respiratory effects of short term exposure to urban particulate matter : the PM-CARE project /* - In: *Renewing a century of commitment to a healthy, safe and productive working life : 28th. International Congress on Occupational Health : Book of abstracts : Milan, Italy, June 11-16, 2006*. - [s.l.] : [s.n.], 2006. - p. 351-351.
- Teresa Mammone, Francesca Metruccio, Patrizia Vida, Angelo Moretto. *The Italian system of data reporting in agriculture occupational health: a critical appraisal*. Journal of Public Health 15:4 August, 2007, 301-313
- Colosio C, Ariano E, Catenacci G, De Paschale G, Firmi A, Metruccio F, Moretto A, Savi S, Settini L, Somaruga C, Macchi L. *[Evaluation and management of pesticide risk in agriculture: the experience of the Region of Lombardy (Italy)]* Giornale Italiano di Medicina del Lavoro ed Ergonomia. 2007; 29:375-376.
- M. Maroni, K. Sweeney, Francesca Metruccio, Angelo Moretto, Anna Clara Fanetti. *Pesticides: Risks and Hazards*. In *PUBLIC HEALTH SIGNIFICANCE OF URBAN PESTS*. WHO (World health organization ed.) Geneva, 2008, pp 477-541
- Colosio C, Rubino FM, Alegakis A, Ariano E, Brambilla G, Mandic-Rajcevic S, Metruccio F, Minoia C, Moretto A, Somaruga C, Tsatsakis A, Turci R, Vellere F. *Integration of biological monitoring, environmental monitoring and computational modelling into the interpretation of pesticide exposure data: Introduction to a proposed approach*. Toxicol Lett. 2012 Aug 13;213(1):49-56. Epub 2011 Aug 27.
- E. Menegola, F. Di Renzo, F. Metruccio, A. Moretto, E. Giavini. *Effects of mixtures of azole fungicides in postimplantation rat whole-embryo cultures*. Archives of Toxicology (2013 Apr 04). [Epub ahead of print]
- Angelo Moretto, Francesca Di Renzo, Erminio Giavini, Francesca Metruccio, Elena Menegola: *The use of in vitro testing to refine cumulative assessment groups of pesticides: The example of teratogenic conazoles*. Food Chem Toxicol 2014 Jul 15. Epub 2014 Jul 15.
- M. Battistoni, E. Menegola, F. Di Renzo, F. Metruccio, A. Moretto, E. Giavini. *Development of an integrated system biology model for predicting mixtures of chemicals: The case of the azole fungicides*. Reproductive Toxicology 64:23-24 · September 2016
- Eva Negri, Francesca Metruccio, Valentina Guercio, Luca Tosti, Emilio Benfenati, Rossella Bonzi, Carlo La Vecchia, and Angelo Moretto: *Exposure to PFOA and PFOS and fetal growth: A critical merging of toxicological and epidemiological data*. Critical Reviews In Toxicology 47 (6) 482-508 February 2017
- Maria Battistoni, Silvia Mercurio, Gentile Francesco Ficetola, Francesca Cristiana Metruccio, Elena Menegola, Roberta Pennati: *The Ascidian Embryo Teratogenicity assay in Ciona*

*intestinalis* as a new teratological screening to test the mixture effect of the co-exposure to ethanol and fluconazole. Environmental Toxicology and Pharmacology 12/2017; 57.

#### Scientific reports

- ANSES/ICPS/RIVM (Agency for Food, Environmental and Occupational Health and Safety/ International Centre for Pesticides and Health Risk Prevention/ National Institute for Public Health and the Environment), 2013. Toxicological data analysis to support grouping of pesticide active substances for cumulative risk assessment of effects on liver, on the nervous system and on reproduction and development, 88 pp. Available online: <http://www.efsa.europa.eu/en/supporting/pub/392e.htm>
- Report on the Joint Meeting of the FAO Panel of Experts on Pesticide Residues in Food and the Environment and the WHO Core Assessment Group on Pesticide Residues Rome, Italy, 9–18 September 2008
- F. Metruccio, A. Boobis. CLOTHIANIDIN 19-116 Pesticide residues in food - 2010: toxicological evaluations / Joint Meeting of the FAO Panel of Experts on Pesticide Residues in Food and the Environment and the WHO Core Assessment Group on Pesticide Residues Rome, Italy, 21-30 September 2010
- F. Metruccio, A. Boobis. CHLORFENAPYR 99 -166 Pesticide residues in food - 2012: toxicological evaluations / Joint Meeting of the FAO Panel of Experts on Pesticide Residues in Food and the Environment and the WHO Core Assessment Group on Pesticide Residues, Rome, Italy, 11–20 September 2012.
- National Institute for Public Health and the Environment/ Rijksinstituut voor Volksgezondheid en Milieu (RIVM), International Centre for Pesticides and Health Risk Prevention (ICPS), French agency for food, environmental and occupational health & safety (ANSES). *Toxicological data collection and analysis to support grouping of pesticide active substances for cumulative risk assessment of effects on the nervous system, liver, adrenal, eye, reproduction and development and thyroid system GP/EFSA/PRAS/2013/02.*  
Available online: <https://www.efsa.europa.eu/it/supporting/pub/999e>
- Francesca Metruccio, Ilaria Castelli, Consuelo Civitella, Carmen Galbusera, Francesco Galimberti, Luca Tosti , Angelo Moretto Compilation of a database, specific for the pesticide active substance and their metabolites, comprising the main genotoxicity endpoints. GP/EFSA/PRAS/2014/01  
Available online: <https://www.efsa.europa.eu/it/supporting/pub/1229e>

I hereby authorize the use of my personal data in compliance with Italian Legislative Decree 196/2003.

MILAN 28.12.2017

Signature

