



## Martina Marazzini

**Nationality:** Italian **Date of birth:** 11/04/1994 ✉ **Email address:**

[martina.marazzini@unimi.it](mailto:martina.marazzini@unimi.it) 📍 **Address:** Via Giovanni Battista Grassi, 74, 20157, Milan, Italy (Work)

### WORK EXPERIENCE

---

**University of Milan - ICPS International Centre for Pesticides and Health Risk Prevention** - Italy, Milan

#### Research fellow

[ 01/02/2024 - 31/05/2027 ]

- Dossiers evaluation (mammalian toxicology) for the approval of plant protection products and pesticide active substances at national or European level according to the Regulation (CE) No 1107/2009.
- Research activity within the EFSA project "Inventory of methodologies for assessing the long-term toxicity and carcinogenicity of plant protection products" (GP/EFSA/PREV/2021/01), conducting systematic literature reviews and data extraction through DistillerSR, aimed at identifying toxicological evidence from in vivo, in vitro and in silico studies.
- Research activity within the EFSA project "Evaluation of new evidence on non-dietary exposure (worker, bystander and resident) to plant protection products" (GP/EFSA/PREV/2022/02), carrying out collection, analysis, and reporting of exposure data for workers, residents, and bystanders, including seed treatment and sowing scenarios.
- Research activity within the EFSA project "Data collection, hazard characterisation and establishment of CAGs of pesticides for specific effects on the thyroid", carrying out activities such as data extraction and data entry.

**ICPS International Centre for Pesticides and Health Risk Prevention** - Italy, Milan

#### Risk assessor intern

[ 08/05/2023 - 30/11/2023 ]

- Non-dietary cumulative risk assessment for operators, workers, residents and bystanders exposed to mixtures of plant protection products. Research done through the analysis of the electronic register of phytosanitary treatments of the Lombardy Region;
- Collaboration with the research team in the field of agricultural worker safety, focused on the analysis of data relating to exposure to active ingredients;
- Use of databases and Excel spreadsheets to analyze and interpret collected data;
- Identification of mixture events, analyzing the simultaneous acute exposure to multiple active ingredients by farmers during work;
- Application of mathematical models to calculate exposure and evaluate the related risk (AOEM model, EFSA OPEX online calculator, EUROPOEM model).

### PUBLICATIONS

---

[ 2025 ]

**[Cumulative risk assessment methodology applied to non-dietary exposures: developmental alterations in professional agricultural settings](#)**

**Authors:** Tosti L., Marazzini M., Kanadil M., Metruccio F. | **Journal Name:** Journal of Occupational Medicine and

Tosti, L. et al. (2025)

[ 2024 ]

**Data collection, hazard characterisation and establishment of cumulative assessment groups of pesticides for specific effects on the thyroid: 2024 update**

**Authors:** Metruccio, F., Castelli, I., Baroni, A., Marazzini, M., Mammone, T., Tosti, L. | **Journal Name:** EFSA supporting publication | **Volume, Issue and Pages:** Vol. 21 Issue 9, p1-54 | **Publisher:** EFSA

Metruccio, F. et al. (2024)

## EDUCATION & TRAINING

---

### **Master's Degree in Safety Assessment of Xenobiotics and Biotechnological Products**

**University of Milan** [ 31/08/2020 - 30/11/2023 ]

**City:** Milan | **Country:** Italy

**Thesis:** Pesticide mixture and cranio-facial alteration: cumulative risk assessment in operators, workers, residents and bystanders of Lombardy

- Conducted a cumulative risk assessment (CRA) for non-dietary exposure to pesticide mixtures, specifically investigating craniofacial developmental toxicity.
- Handled and analyzed regional data to model exposure scenarios for multiple populations (operators, residents, bystanders) according to EFSA methodologies.

### **Bachelor's Degree in Pharmaceutical Sciences - Herbal Sciences and Technologies**

**University of Milan** [ 2016 - 2020 ]

**City:** Milan | **Country:** Italy

**Thesis:** Determination of cathin and cathinone in extracts of Catha Edulis by GC-MS and HPLC/MS-MS

- Preparation and subsequent analysis in HPLC and GC-MS of Cannabis Sativa-based samples (analysis of pharmaceutical eye drops, analysis of light cannabis sativa for dietary use);
- Preparation and subsequent analysis in HPLC/MS-MS and GC-MS of Catha Edulis-based samples.

## LANGUAGE SKILLS

---

**Mother tongue(s):** Italian

### **English**

**LISTENING:** B2 **READING:** B2 **WRITING:** B2

**SPOKEN PRODUCTION:** B2

**SPOKEN INTERACTION:** B2

## SKILLS

---

Microsoft Office | Microsoft Excel (data analysis, pivot tables) | DistillerSR | Risk Assessment and Procedures | Handling huge datasets | Drafting reports and scientific documents | Team-work oriented | Organizational and planning skills