

## **Curriculum vitae – Dr. Eleonora Marchetti**

### **Professional Experience:**

Feb 2022 – Feb 2024      Research Fellow, University of Perugia (Italy)  
Research topic: Study of long-range transport of air pollutants at the EMEP site of Monte Martano

### **Academic Education:**

Feb 2019 – Sep 2021      Master Degree in Chemical Sciences, University of Perugia (Italy), [LM-54]  
Final grades: 110/110 *cum laude* (MsC award date 27/09/2021)  
Thesis topic: environmental chemistry, traces elements, dendrochemistry

Oct 2014 – Feb 2019      Bachelor Degree in Chemistry, University of Perugia (Italy), [L-27]  
Final grades: 104/110 (BD award date 21/02/2019)  
Thesis topic: Synthesis of silica nanoparticles and their use as substrates for the extraction of plant active ingredients

### **Professional Education:**

Jul 2022 – Sep 2022      The accreditation of test and calibration laboratories according to the new Standard UNI CEI EN ISO/IEC 17025:2018

May 2022 – Jul 2022      UNI EN ISO 9001:2015 Quality management systems. Requirements, contents and applications

### **Research Experience:**

Environmental analytical chemistry. Quantification of trace elements (ICP-MS) and soluble fraction (ion chromatography) in different environmental matrices (atmospheric aerosol, water, soil, plant biological material). Determination of organic and elemental carbon by thermo-optical method. Preparation and determination of organic micropollutants (PAHs, PCDD/PCDFs and PCBs) in samples of atmospheric particulate matter and other environmental matrices (soil/sediment, surface water).

### **Conferences**

1. *6<sup>th</sup> edition - The chemical characterization of atmospheric particulate matter* - Arpa, Bologna (Italy), Nov 2023  
E. Marchetti, M. Galletti et al. "The effectiveness of atmospheric depositions in estimating diffuse emissions from a steel plant" (titles translated from Italian)
2. *Emissions Conference 2023*, RSE – SNPA, webinar, May 2023
3. *Uncertainty associated with sampling in chemical analyses. Presentation of the Italian edition of the Eurachem/CITAC guide*, ISS, ACCREDIA, ALPI, INRiM, webinar, Mar 2023
4. *5<sup>th</sup> MS Envi Day – Mass Spectrometry division of the Italian Chemical Society*, Milano (Italy), Nov 2022
5. *5<sup>th</sup> edition - The chemical characterization of atmospheric particulate matter* – Arpa Umbria, Terni (Italy), Nov 2022

- E. Marchetti, M. Galletti, C. Petroselli, D. Cappelletti, F. Sebastiani "Chemical composition of atmospheric particulate matter in Umbria under Saharan intrusion conditions: case study Terni Le Grazie." (titles translated from Italian)
6. *Copernicus Climate Data Store*, Unipg, CIRIAF, CRC, Perugia (Italy), Oct 2022
  7. *PM2022 – 10<sup>th</sup> conference on Atmospheric Particulate Matter held by the Italian Aerosol Society*, Bologna (Italy), May 2022
  8. *CONTAMINATED SITES - 6<sup>th</sup> National School of Environmental Monitoring of the Environmental and Cultural Heritage Chemistry division of the Italian Chemical Society*, webinar, Nov 2021

**Language Skills:**

<b>Language</b>	<b>Listening</b>	<b>Reading</b>	<b>Speaking</b>	<b>Writing</b>
<b>Italian</b>	Mother tongue	Mother tongue	Mother tongue	Mother tongue
<b>English</b>	Independent user (B2)	Independent user (B2)	Independent user (B2)	Independent user (B2)

**Affiliations:**

- Member of the Italian Chemical Society (SCI) since 2021