

# CHIARA TANTILLO

## PROFESSIONAL SUMMARY

I am an extremely curious person who is always looking for new topics to delve into. I enjoy working in the laboratory and conceptualising the results obtained, both with the aim of understanding the phenomena and with a view to improving the process. I am a very determined person who tends to set and achieve new goals.

During the eight months I spent in Vienna for my Master's thesis, I had the opportunity to work in an international environment and to appreciate the resulting symposium of ideas and cultures. This experience, combined with my nature, led me to seek an international, energetic and challenging work environment.

## EDUCATION

### **UNIVERSITY OF NATURAL RESOURCES AND LIFE SCIENCES - Wien, Austria**

March 2023 - October 2023

#### **Master's thesis and internship**

Thesis: Enzymatic synthesis and characterisation of polymeric materials.

- I planned and carried out experiments in the field of enzymology and polyester synthesis.
- I worked with different enzymes like lipases and cutinases, using immobilization techniques such as physisorption.
- I used different analytical techniques such as spectroscopy, GC-cromatography, <sup>1</sup>H-NMR, GPC and FTIR.
- I also carried out protein expression and purification starting from E.coli bacteria.

**Website** <https://boku.ac.at/en/>

**Field of study** chemistry, enzymology, bio-based plastic synthesis.

### **Università degli Studi di Trieste, Trieste (TS), Italy**

October 2021 – December 2023

#### **Master degree in organic and biomolecular chemistry (110L/110)**

**Website** <https://www.units.it/>

### **Università degli studi di Palermo, Palermo (PA), Italy**

October 2019 – July 2021

#### **Bachelor of Science in Chemistry (110L/110)**

Thesis: The possibility of life on Titan, Saturn's moon

**Website** <https://www.unipa.it/>

## PROFESSIONAL EXPERIENCE

**IZS Sicilia, PALERMO, ITALY**

**Laboratory assistant**

March 2021 – May 2021

Laboratory analysis of food:

- search for pesticides by GC and HPLC,
- analysis of mercury by DMA-80,
- search for acrylamide in coffee, algal biotoxins in mussels, and coccidiostats in feed.

**Website** <https://www.izssicilia.it/>

### LANGUAGES

Italian (Native), English (Advanced), Spanish (Intermediate)

### REFERENCES

- Professor Lucia Gardossi- [gardossi@units.it](mailto:gardossi@units.it)
- Filippo Fabbri- [filippo.fabbri@students.boku.ac.at](mailto:filippo.fabbri@students.boku.ac.at)
- Professor Enzo Alessio- [alessi@units.it](mailto:alessi@units.it)

### COMPUTER SKILLS

Proficient in Microsoft Office (Word, PowerPoint, Excel, Outlook), Skype, Zoom, Microsoft Teams. I am able to use ChemDraw, Mestrenova, Origin and SciDAVis.

### ADDITIONAL INFORMATION (Exchanges, Publications, Conferences...)

- **Study abroad experience**, Royal Holloway, University of London, London, July 2014,
- **Study abroad experience**, Fettes College, Edinburgh, July 2015,
- **Study abroad experience**, Trinity College, Dublin, July 2016.

**Interests:** Plants, Detective stories, cooking and building Lego.

*The undersigned authorizes the processing of data personal pursuant to Legislative Decree 196/2003*