

## **WORK EXPERIENCE**

- 01/02/2022: **Fixed Term Research Associate** (FIS/01) at University of Siena Art. 24, Par. 3, Letter A) of law n. 240 dated 30/12/2010 – Full time, Three/year term (D.M. 1062/2021 D.M. 737/2021).  
Research Associate at CNR-NANO, research activities carried out at NEST Lab, Piazza San Silvestro 12, 56127 Pisa.  
*Research project:* Organic functionalization of graphene for hydrogen storage applications
- 01/09/2020 – 01/02/2022: **Postdoctoral Researcher**  
Fondazione Istituto Italiano di Tecnologia, Center for Nanotechnology Innovation at NEST Piazza San Silvestro 12, 56127 Pisa (Italy).  
*Research project:* “graphene-coated copper cables for low voltage domestic and industrial wiring applications” within the Graphene Flagship (<http://graphene-flagship.eu/>), funded by the European
- 30/09/2019 - 31/08/2020: **Postdoctoral Research Fellow**  
CNR-ISTEC (Institute of Science and Technology for Ceramics), Via Granarolo 64, 48018 Faenza (RA), Italy.  
*Research project:* “FIREMAT – Fire resistant materials & composites” (funded by POR FESR 2014-2020, Emilia-Romagna Region), coordinated by ENEA-PROMS-TEMAF, Laboratory of Materials Technologies Faenza.
- 01/07/2017 - 25/06/2019: **Postdoctoral Researcher**  
Fondazione Istituto Italiano di Tecnologia, Center for Nanotechnology Innovation at NEST Piazza San Silvestro 12, 56127 Pisa (Italy).  
*Research project:* “Design of graphene based biosensing devices” within GLIOMICS project (Proteomics/genomics/metabolomics for the biomarkers identification and the development of an ultrasensitive sensing platform to be used with peripheral fluids for glioblastoma multiforme cancer) coordinated by Scuola Normale Superiore in Pisa, co-funded under PAR-FAS Salute 2007-2013 Toscana Region.
- 01/01/2016 - 30/06/2017: **Postdoctoral Researcher**  
Alma Mater Studiorum, University of Bologna - “Toso Montanari” Department of Industrial Chemistry, Viale del Risorgimento 4, 40136 Bologna, Italy.  
*Research project:* Research activity focused on the study of materials for electroanalysis and energy storage.

- A.Y. 2014/2015 – A.Y. 2016/2017: **Lab Teaching Assistant** for the “Analytical Chemistry and Laboratory” course  
Degree program: B.Sc. in Industrial Chemistry, University of Bologna, Dept. of Industrial Chemistry “Toso Montanari”, Viale Risorgimento 4, 40136 Bologna, Italy.
- A.Y. 2015/2016 – A.Y. 2016/2017: **Lab Teaching Assistant** for the “Analytical Chemistry and Laboratory” course  
Degree program: B.Sc. in Chemistry and Technologies for the Environment and Materials University of Bologna, Dept. of Industrial Chemistry “Toso Montanari”, Via Granarolo 62, 48018 Faenza, RA (Italy).
- A.Y. 2016/2017: **Lab Teaching Assistant** for the “Industrial and Process Analytical Chemistry with Lab.” course  
Degree program: M.Sc. in Industrial Chemistry, University of Bologna, Dept. of Industrial Chemistry “Toso Montanari”, Viale Risorgimento 4, 40136 Bologna, Italy.

## **ACADEMIC TRAINING AND EDUCATIONAL QUALIFICATIONS**

27/04/2016: **Ph.D. in Chemistry (SSD CHIM/03 – Analytical Chemistry)** at “Toso Montanari” Department of Industrial Chemistry, University of Bologna.

19/10/2012: **Master’s Degree in Industrial Chemistry - LM-71** at University of Bologna, Faculty of Industrial Chemistry

15/10/2010: **Bachelor’s Degree in Industrial Chemistry, Cass L-27** at University of Bologna, Faculty of Industrial Chemistry.

## **TEACHING EXPERIENCE**

- A.A. 2022/2023: lecture on Optical spectroscopy (2h), “Nanostructured Materials” M.Sc. in “Materials and Nanotechnologies”, University of Pisa.
- A.A. 2022/2023: lecture on graphene applications, B.Sc. in Physical science at DSFTA, University of Siena (2h).
- A.A. 2021/2022: lecture (4 ore) for Doctoral students in Experimental Physics at DSFTA, University of Siena. “Graphene growth and characterization” e “Functionalization of graphene: methods and applications”.

- A.Y. 2014/2015 – 2016/2017: official appointment as **exam committee member (Subject SSD CHIM/01 - Analytical Chemistry)**, Faculty Council, Dept. of Industrial Chemistry “Toso Montanari”, University of Bologna, Viale Risorgimento , 40136 Bologna, Italy.
- Since September 2013: **co-supervision of students** during their internship activities carried out in the Analytical Chemistry laboratory. Co-advisor of 8 experimental B.Sc. and M.Sc. theses in Industrial Chemistry.

### **AWARDS AND SCHOLARSHIPS**

- **2021: Best poster award** "Quality Innovation", Graphene Week 2021
- **2016: Grant** by CELLTOX (Italian Society for In Vitro Toxicology) for attending the course "**From cells to QSAR: alternative predictive modeling in toxicology**", Genoa (Italy).
- **2015: Congress grant** by NEAVS (New England Anti-Vivisection Society) for attending the "**II International Conference of Alternatives to Animal Experimentation**", Lisbon (Portugal).
- **2011: Best thesis prize** “Safety at the workplace” in memory of **Raffaele Rozzi** awarded by Fondazione Flaminia for the Bachelor’s degree thesis, Ravenna (Italy).