

VITTORIA ORSINI

INDUSTRIAL BIOTECHNOLOGIST

CONTACT

Email

WORK EXPERIENCE

Nanotechnologies and Biomaterials- Laboratory

La Sapienza University of Rome - Rome

- Microfluidic synthesis of polymeric nanoparticles for the delivery of bioactive proteins.
- Utilized flow focusing microfluidic reactor
- Biosynthesis of tripeptide-based hydrogels utilizing a *Pseudomonas Fluorescens* lipase catalyzing reverse hydrolysis
- Synthesis and characterization of hydrogel@Nanoparticles via SEM and rheological analysis
- Investigation into protein substance conveyance through composite hydrogels ensued, employing model proteins of varying molecular weights

Private Tutor

March 2018 - January 2023

Self-Employment - Colle Sannita - Rome

- Private tutor for middle school and high school students in biology, chemistry, and math
- Creating personalized lesson plans, providing educational support, and fostering academic growth in these key scientific subjects

Civil Service

March 2017 - March 2018

Municipality of Colle Sannita - Colle Sannita

- Engaged in diverse administrative and support roles within the civil service, contributing to efficient government operations and public service delivery
- Responsibilities included data management, customer service, and assistance in policy implementation

Office Assistant

August 2014 - SThptThmbThr 2014

Zeolla Ingegneria - Colle Sannita

- Organization and management of work processes, with a particular focus on the administration and documentation specific to engineering projects
- Participated in the organization and management of documents for workplace safety courses

EDUCATION

Master's Degree

2021 - 2024

La Sapienza University of Rome, Biotechnology and Genomic for Industry and Environment - Rome

- Final Grade: 110 cum Laude/110
- Thesis: Microfluidic synthesis of polymeric nanoparticles for the controlled release of bioactive proteins.

Bachelor's Degree

2017 - 2021

University of Sannio, Biotechnology - Benevento

CERTIFICATES

- Infrared (IR) Spectroscopy: Analyzing any IR spectrum (Udemy)
- Modern Pharmaceutical Instrumental Analysis Techniques (Udemy)
- Introduction to Good Manufacturing Practices (GMP) (Pharmuni)
- Introduction to GMP Quality Management Systems (Pharmuni)
- Introduction to Production Batch Management (Pharmuni)
- Introduction to Clinical Research (The Global Health Network)
- ICH Good Clinical Practice EG (R2) (The Global Health Network)
- Introduction to Good Clinical Laboratory Practice (The Global Health Network)