

# VITTORIA ORSINI

## INDUSTRIAL BIOTECHNOLOGIST

### CONTACT

#### Email

vittoria.orsini95@gmail.com

### SKILLS

- Data Management
- Google Docs
- Google Drive
- Microsoft Excel
- Spectragryph
- Microsoft Office
- Microsoft PowerPoint

### LANGUAGES

**Italian** - Native

**English** - Advanced

### WORK EXPERIENCE

#### **Nanotechnologies and Biomaterials- Laboratory** January 2023 - January 2024

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 - September 2016

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 E6 (R2) (The Global Health Network)
- Introduction to Good Clinical Laboratory Practice (The Global Health Network)