



Aryana Taherdoust

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WORK EXPERIENCE

Cellular and Molecular Biology Lab of Azad University of Babol

[2022 – 2023] **Intern**

- Assisted senior researchers with sample preparation for PCR analysis.
- Performed cell culture techniques under sterile conditions.

Simia Parto Vista Zist Lab

[2021 – 2022] **Cell and Molecular Lab Technician**

- Responsible for DNA/RNA extraction from biological samples.
- Conducted PCR assays for diagnostic purposes.

EDUCATION AND TRAINING

[2024 – Current] **MSc in Medical and Pharmaceutical Biotechnologies**

University of Pavia

[2019 – 2022] **BSc in Biotechnology**

Islamic Azad University of Babol

PROJECTS

[2022] **Principal Researcher**

Bachelor's graduation project focused on research on anti-cancer drugs (e.g., Retinoic Acid, Herceptin, Sorafenib, Erlotinib).

PUBLICATIONS

Investigating the antioxidant level of superoxide dismutase in type 2 diabetic patients.

Reference: Aryana Taherdoust Omid Khan Mohammadi Otaghsara the 5th International Conference on Global Studies in Technology and Engineering Sciences, Tehran, Iran.

SKILLS

Technical & Computer Skills

- **Programming:** Python
- **Bioinformatics Tools:** PyMOL (for molecular visualization) , Primer design (utilizing software and web-based tools), and concepts for drug and vaccine design.
- **Lab Techniques:** Cell Culture, PCR, DNA Extraction

Language Skills

- **Persian:** Mother tongue
- **English:** IELTS Band Score 7 (CEFR Level C1)
- **Italian:** Beginner (A2) - Actively learning

Soft Skills

- Teamwork
- Creativity
- Time Management
- Leadership (Developed through experience as a kickboxing trainer)

HONOURS AND AWARDS

- [2025] **Dompè Scholarship Winner**
- [2022] **1st Place in GPA (Top student across all semesters)**
- [2021] **Certificate, Programming with Python**
- [2020] **Certificate, Drug and Vaccine Design via Programming Approaches**