

Valeh Mammadli

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Professional Summary

Master of Science in Cell Molecular Biology with advanced abilities in data gathering, processing and analysis, hands-on lab techniques, and protocol development. Currently Visiting Lecturer at the oldest university of Azerbaijan – Baku State University and General Manager of the Molecular Diagnostics Department of VITTA Scientific Technical Company.

Skills

- Data collection, processing, and analysis
- Excellent knowledge and work proficiency with microbiological, biochemical and molecular laboratory techniques and methods
- Protocol development and optimization
- Preparation of management reports
- Proficient in English & Turkish, intermediate level in Russian and pre-intermediate level in Italian
- Academic writing, proofreading, and editing
- Basic level Python
- Microsoft Office Programs and Tools

Education

- **Master of Science in Cell Molecular Biology**

May 2020

University of Turin – Turin, Italy

Work History

General Manager of the Molecular Diagnostics department

VITTA scientific technical company - Baku, Azerbaijan

April 2021 -

- ❖ Management and performance of daily operations in lab
- ❖ PCR analysis and experiments
- ❖ NGS analysis and experiments
- ❖ Development and management of laboratory protocols
- ❖ Compliance ensurance with all pertinent laws, regulations, ordinances, requirements, and standards
- ❖ Performance of complex molecular diagnostic DNA based tests
- ❖ Analysis and normalization of acquired data
- ❖ Participation and representation at international and national conferences and seminars

Medical and Scientific Manager

July 2020 - April 2021

AMADA – Azerbaijan National Anti-Doping Agency – Baku, Azerbaijan

- ❖ Management of internal activities for a portfolio of key research projects, including finalization of work plan and deliverable, monitoring progress against milestones and deliverable, and critical assessment of outcomes and anticipated future impact;
- ❖ Engagement with external researchers, AMADA stakeholders, and other partners to facilitate their contributions to projects;
- ❖ Close work with colleagues in other departments to coordinate AMADA development activities and subject matter expertise required to advance projects;
- ❖ Work with external researchers and AMADA colleagues to assist with problem solving, risk management and collaborations;
- ❖ Facilitation of meetings, foster relationships, and communicate effectively with external project teams and other partners;

- ❖ Assistance with development of research projects and review of applications, including identification of external reviewers;
- ❖ Assistance with evaluation of impact of research activities to support optimization of research priorities and outcomes;
- ❖ Contribution to scientific workshops and expert group meetings related to anti-doping research activities;
- ❖ Support to other departmental activities as required, including support for transfer of research results to operational activities (e.g., Athlete Biological Passport, Prohibited List);
- ❖ Assistance at AMADA education and outreach activities as required, by being enthusiastic, outgoing, knowledgeable and friendly representatives of AMADA and being able to appropriately manage questions on a wide range of anti-doping issues, especially regarding TUE;
- ❖ Maintenance of DRO (online drug reference system);

Adjunct Lecturer - Molecular Biology

September 2021 –

Molecular Biology department of Baku State University – Baku, Azerbaijan

- ❖ Lecture planning, preparation and research.
- ❖ Control and assessment of the work of students
- ❖ Preparation and invigilation of exams
- ❖ Assistance to professor regarding supervision of students
- ❖ Detailed explanation of Molecular Biology and its methods
- ❖ Reading, analysis and explanation of research papers to students

Thesis researcher

September 2019 – May 2020

Biochemistry lab of University of Turin – Turin, Italy

- ❖ Purification of protein using chromatography methods like IMAC and SEC
- ❖ The goal of the project was purification, crystallization and functional characterization of a bacterial protein responsible for antibiotic resistance
- ❖ Development and optimization of protocols

- ❖ Recombinant expression of protein
- ❖ Different conditions, kits, and mediums used for crystallization experiments
- ❖ Functional characterization was done using NADPH consumption assay and HPLC
- ❖ Use of ELISA for detection of the amount of Estrone and Estradiol levels
- ❖ Collection, analysis, and normalization of data obtained using different tools
- ❖ Preparation and presentation of results and lab report

Laboratory Assistant

September 2014 – January 2015

Azerbaijan National Academy of Sciences, Institute of Botany – Baku, Azerbaijan

- ❖ The main purpose of the project was the determination of phytoplasmas from samples delivered by agricultural facilities
- ❖ Literature research for experiment protocols
- ❖ Extraction and isolation of DNA from obtained samples
- ❖ Application of PCR (Polymerase Chain Reaction) on obtained DNA samples
- ❖ Gel Electrophoresis and UV-spec observation of the product
- ❖ Preparation of laboratory reports

English language tutor

December 2016 – August 2017

Greatford Languages – Baku, Azerbaijan

- ❖ Organization of syllabuses and lessons for students
- ❖ Organization of exams and evaluation of students based on results
- ❖ Research and development of the most advanced language teaching methods

Accomplishments

Regional Scholarship winner of Republic of Italy

September 2017 – May 2020

EDISU regional scholarship - Turin, Piedmont, Italy

- ❖ EDISU is a regional scholarship that covers tuition costs and provides scholarships and accommodation during the education period depending on credits earned and GPA.

Member of Talent Management and HR department.

January 2014 – May 2016

AIESEC in Azerbaijan – Baku, Azerbaijan

- ❖ Tracking members' activity and evaluation
- ❖ Conducting interviews and coordination of recruitment process of new candidates

“The Student of the Year” award
Baku State University – Baku, Azerbaijan

December 2013

