Samaneh Nejaddehghan

Personal Information

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Profile Summary

- I have collaborated with colleagues from diverse biological backgrounds, fostering a multidisciplinary approach to research. My experience in various branches of biology has given me a broader perspective and the ability to generate innovative research ideas. My comprehensive knowledge and creativity in the field contributed to a collaborative paper merging molecular biology and bioinformatics.
- I have been engaged in the clinical laboratories in addition to studying. I could enhance my understanding of disease pathology. Moreover, I learned to apply theoretical knowledge in practical setting. I also teach laboratory skills to the students in the same laboratory now. It provides me new ideas to foster academic growth and innovation too.

Work Experience

Educational Supervisor & Instructor

Aramesh Clinical Laboratory, Tehran, Iran February 2022 – Present

• Teaching and supervising students and graduates.

• Successfully trained numerous students, many of whom are now employed in various laboratories.

PhD Thesis Researcher

Pasteur Institute of Iran, Tehran February 2019 – December 2021

• Conducted PhD thesis project.

• Published a research article in an ISI journal with an impact factor of 1.4.

Molecular Section Technician

Mehr Hospital, Tehran, Iran February 2013 – June 2013

• Performed molecular tests on patient samples.

• Gained significant experience and skills in the molecular field.

Intern, Clinical Laboratory

Firoozgar Hospital, Tehran, Iran August 2012 – October 2012

• Conducted various tests on patient samples.

• Acquired hands-on experience in clinical and medical fields.

Molecular Section Technician

Special Diseases Center, Tehran, Iran 2006 – 2007

• Conducted molecular tests on patient samples.

• Developed expertise in molecular diagnostics.

Intern, Microbiology Section

Rasoul Akram Hospital, Tehran, Iran October 2001 – February 2002

• Conducted microbiological tests on patient samples.

• Gained experience in microbiology.

Education

PhD in Cellular and Molecular Biology

University of Tehran, Tehran, Iran 2015 – 2022

GPA(18.78 out of 20)

Thesis: "Inhibition of miR-21-5p affects the expression of lncRNA X-inactive specific transcript and induces apoptosis in MCF-7 breast cancer cells"

MSc in Cellular and Molecular Biology

University of Science and Research, Tehran, Iran 2013 – 2014

GPA (19.5 out of 20)

MSc in Plant Sciences, Developmental Biology

Kharazmi University, Tehran, Iran 2008 – 2010

GPA (17.36 out of 20)

Thesis: "Anatomical and Developmental Characteristics and Antioxidant Anti-Mutation Effects of Laurus nobilis (Bay Leaf)"

BSc in Microbiology

Islamic Azad University, Karaj, Iran 2000 – 2004

GPA (16.38 out of 20)

Honors & Awards

Top 20 Students in PhD Entrance Exam for State Universities

Year: 2015
Ranked 6th among 40 interviewees at the University of Tehran.

2nd Place in PhD Entrance Exam for Islamic Azad University

Year: 2014
Achieved 2nd place in the written exam.

Certifications & Trainings

• Microbiology Congress, University of Tehran (2010) - Two-day congress.

• Biochemistry Congress, Shahid Beheshti University, Tehran (2016) - Three-day congress.

• Flow Cytometry Seminar, Shahid Beheshti University, Tehran (2018) - One-day seminar.

• International Congress on Biological Sciences, University of Isfahan (2020) - Two-day congress.

Publications

Nejaddehghan, S., et al. (2024). Inhibition of Mir-21-5p Affects the Expression of LNCRNA X-Inactive Specific Transcript and Induces Apoptosis in MCF-7 Breast Cancer Cells. Vol 53, pp 714-725. https://doi.org/10.18502/ijph.v53i3.15154

Research Interests

• Cellular and Molecular Mechanisms

• Cellular Signaling

• Apoptosis

• Cancer

• Hormones and Receptors

• Immune System and Cancer Therapy

Language Skills

- English
- German
- Turkish - Fluent in Azerbaijani Turkish, basic knowledge of Istanbul Turkish.