VANSHIKA AHUJA

[ahujavanshika1998@gmail.com](mailto:ahujavanshika1998@gmail.com)

(M) 9910083042

# Career Objective

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To pursue research in a renowned research institute and to be a successful researcher in order to achieve the objectives of the research work taking place in the lab with honesty and fairness and to continuously upgrade my knowledge and skills.

Main areas of interest –

* Cell signaling and Cancer biology
* Immunity and infection
* Reproduction and development
* Molecular and cell biology
* Genomics

# Publication

The scientific write-up titled ‘To study the effect of short chain fatty acids on degradation of AQP1 aquaglyceroporin channels of *Leishmania* and subsequent development of antimony drug resistance’ has been published in Advent: The Biological Magazine Volume 1.

# Experience

Currently employed as a Project Associate-I in CSIR-IGIB, Mall Road, New Delhi under Dr. Mohd Faruq in GoMed lab, I have gained much experience in the field of genomics and diagnostics of neurodegenerative disorders. Principal targets include the diagnosis of several neurodegenerative disorders via gold standard Sanger Sequencing and MLPA Analysis. Next generation sequencing also covers a major part of my work. There have been many contributions to the research papers as well.

# The dissertation project on the topic "Domain mapping in yeast Saccharomyces cerevisiae aquaglyceroporin Fps1" provides hands- on experience in molecular biology and Recombinant DNA technology (Cloning). Performing PCR, formation of positive clones (in pGEMT and HTH yeast expression vector), restriction analysis, bacterial transformation, plasmid DNA isolation, SDS-PAGE and various other molecular biology techniques form an integral part of the project.

# Academic Background

* Completed Masters in Biochemistry in 2021 from Jamia Hamdard, New Delhi (85.07% aggregate) (Gold Medalist)
* Completed Bachelors in Life Sciences in 2019 from Kirori Mal College, Delhi University with 75.8575% (CGPA 7.985)
* Completed Intermediate from Silver Line Prestige School in 2015 with 92.6

% in science (PCB) stream

* Completed Matriculation from Silver Line Prestige School in 2013 with 95% (CGPA 10)

# Qualifications

* Qualified the **IIT-JAM BIOLOGICAL SCIENCES** 2019 with AIR 78.
* Qualified the **IIT-JAM BIOTECHNOLOGY** 2019 with AIR 98.
* Qualified **JNU-CEEB** 2019 with AIR 253
* Qualified **TIFR GS** 2021
* Qualified **NII PhD Entrance** 2021 (qualified 1st round interview)
* Qualified **DBT-JRF 2021** (Category 2)
* Qualified **CSIR-NET JRF 2022** with AIR79.
* Qualified **GATE 2022** with AIR 389

**Skills**

* Capability for collaborative academic research
* Excellent interpersonal, written, and verbal communication skill
* Strong organizational skills and attention to detail
* Excellent skills in performing lab work
* Specialized in performing molecular biology and recombinant DNA techniques

# Hobbies

* Outdoor Sports
* Travelling
* Love Camping, Trekking, Rafting
* Dancing

# Personal Information

* Date of Birth 09/01/1998
* Permanent Address B-11 Patel Nagar 2nd, Ghaziabad-201001.
* Nationality Indian
* Marital Status Unmarried
* Languages Known English, Hindi

# References

1. **Dr. Mohd Faruq**

Scientist, CSIR-IGIB, Mall Road, New Delhi

[faruq.mohd@igib.in](mailto:faruq.mohd@igib.in)

1. **Dr. Janendra K Batra**

Professor, Jamia Hamdard and Former Head of Department [jkbatra@jamiahamdard.ac.in](mailto:jkbatra@jamiahamdard.ac.in)

9871499411

1. **Dr. Pankaj Kumar**

Assistant Professor, Jamia Hamdard and Dissertation Supervisor [pankajkumar@jamiahamdard.ac.in](mailto:pankajkumar@jamiahamdard.ac.in)

8930699125

1. **Dr. Mohan Kamthan**

Assistant Professor, Jamia Hamdard and Dissertation Co-supervisor [mohan.kamthan@jamiahamdard.ac.in](mailto:mohan.kamthan@jamiahamdard.ac.in)

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I hereby declare that all the information furnished above is true to the best of my knowledge

Date:

Place: Ghaziabad VANSHIKA AHUJA