

Memoona Javaid | Post Graduate

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OBJECTIVE

To obtain a position as a senior QC officer that offers opportunities for career growth and allow me to enhance and share my knowledge for the subject.

WORK EXPERIENCE (3 YEARS' EXPERIENCE)

PARLEY COSMETICS – (2017-PRESENT)

Two years' experience in the cosmetic industry, as a **Quality Control officer**. I had worked in the QC lab of the Parley Cosmetics and have performed, **chemical, physical and microbial testing of environment and cosmetic products**.

- I had established the QC Lab in Parley Cosmetics.
- I has implemented PSQCA and ISO standards in the lab.
- I had also worked on the Sri-Lanka and GSO (Gulf) standards.
- I had implemented GMP practice in the lab, mixing halls as well as filling and packing section.
- I had also implemented some practices during product manufacturing to control microbial growth.
- I had analyzed the product behavior after three years to determine the stability period of the product.
- I have also a good command on HPLC (High Performance Liquid Chromatography).

MYCOVIROLOGY LAB, ASAB NUST – (2016 – 2017)

One year experience as a **microbiologist** where we worked on different **food samples** especially spices. The samples collected from different areas of Punjab were undergone microbial test to check the microbial count present and further their identification.

That included gram positive and gram negative testing as well as specific identification of pathogenic bacteria including *Pseudomonas*, *Salmonella*, *Bacillus* and *E. coli*.

MOLECULAR BIOLOGY LAB, IBB UVAS – (2014 - 2015)

One year internship meant to learn the molecular and microbial techniques.

RESEARCH EXPERIENCE

Microbial and Molecular Biology:

During my MS research, I had performed different molecular biology techniques. My research was basically on mycoviruses, the viruses that resides on fungi. I screened 40 spices samples from different areas of Punjab for mycoviruses and was able to find out 14 mycoviruses (4 Megabirnaviridae, 1 Partitivirus and 9 Tetraviruses). I further purified

mycoviruses to characterize them using reverse transcriptase PCR and cDNA library construction.

Bioinformatics:

I had also applied bioinformatic analysis to my research. I retrieved homologous sequences by BLAST and carried out phylogenetic analysis using different softwares like Phylip, MEGA, BEAST, Clustal, EMBL-EBI and Geneious.

My isolates of different fungi have been published in NCBI (GenBank IDs: KY967323, KY967322, KY967321, KY967320, KY966044, KY966045 and KY964485)

EDUCATION & QUALIFICATIONS

National University of Science and Technology (NUST), Islamabad – (2015 – 2017) MS in Biotechnology:

The one-year research was based on Mycovirus to use them as a biological control against fungi. The project covered the basic techniques of Molecular Biology ranging from the total nucleic acid extraction, screening, sequencing, construction of cDNA library to the Bioinformatic tools to study the Phylogeny of the fungi.

Government College University (GCU), Lahore – (2011 – 2015) BS (Hons) in Biotechnology:

Spent one year in University of Veterinary and Animal Sciences (UVAS), Lahore in the Institute of Biochemistry and Biotechnology (IBB) as an internee. The internship was meant to learn the molecular techniques needed to work in research lab.

OTHER SKILLS

Computer Skills:

- Bioinformatic tools like Clustalw, Bioedit (for editing multiple alignments), DNASTAR software, Ensemble and PubMed.
- Office applications (MS Word, MS Excel and MS PowerPoint).

Languages:

Fluent in English & Urdu.

AWARDS AND RECOGNITION

- Gold Medal in MS in Plant Biotechnology at National University of Science and Technology (NUST), Islamabad.
- 1st in Basketball Tournament during Sport Gala at National University of Science and Technology (NUST), Islamabad in April 2017.

- Attended “International Conference on Bio-Approaches for Environment and Sustainability” held in NUST, Islamabad in February 2017.
- 1st in All- Pakistan Tech and Art Story Writing competition held in 2014 at GCU, Lahore.
- Attended “2nd International Conference on Biotechnology for Sustainable Development” held in GCU, Lahore in November 2014.

INTERESTS

Research, Writing and Reading.