

# MADHULIKA BAJAJ

## OBJECTIVE

An inquisitive learner with a postgraduate degree in biotechnology, GATE-qualified and experience in molecular biology techniques and scientific data curation. Looking to utilize my skills and enthusiasm for a dynamic research position to aid the productivity of the lab.

## CONTACT

+91-8767258427

madhulikabajaj2106@gmail.com

### TECHNICAL SKILLS

- RT-PCR
- Western Blotting
- Gel Electrophoresis
- ELISA
- Animal Cell Culture
- DNA and RNA Isolation and Quantification

### SOFT SKILLS

- Critical Thinking
- Quick Learner
- Good Communication and Team Skills
- Adaptability
- Persistence

### COMPUTATIONAL SKILLS

- Microsoft Office (Word, PowerPoint, and Excel)
- Image J (Western Blot Analysis)
- Working knowledge of GraphPad

## WORK EXPERIENCE

February 2022 - Present

### Molecular Biology Technician – Panacea care Diagnostics

- Perform routine testing of CoVID 19 using Tata MD CHECK RT-PCR CRISPR Diagnostic Kits.
- Carry out documentation and maintain daily records.
- Participate in Training programs.

September 2020 – January 2022

### Data Curator (Freelance) – Excelra Knowledge Solution Pvt. Ltd.

- Processed scientific documents to curate clinically relevant data by using in-house curation tools.
- Work as a part of a team to enable high-quality, timely curation of datasets.

November 2019 – January 2021

### Subject Matter Expert-Biology (Freelance) - Chegg India Pvt. Ltd.

- Author detailed scientific answers to the subject-related questions online.

November 2018 - March 2019

### Winter Trainee - ICMR-National Institute of Research in Reproductive Health.

- Isolated, purified, and analyzed proteins using PAGE and Western Blotting.
- Maintained tissue culture cell lines.
- Collected and analyzed results.

## PROJECTS UNDERTAKEN

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- **Project Title:** *“Effects of estrogen on autophagy in human mesenchymal stem cells undergoing osteoblastogenesis.”*
- **Project Title:** *“Identification of diverse phytochemicals and determination of total flavonoid content and reducing power ability of Orange peel extract.”*

## EDUCATION

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| Qualification       | Institute  | University/Board     | Year of Completion | Percentage/CGPA |
|---------------------|--|----------------------|--------------------|-----------------|
| M.Sc. Biotechnology | G.N. Khalsa College of Arts, Science and Commerce. | University of Mumbai | 2019               | 8.61/10         |
| B.Sc. Biotechnology | K.C. College of Arts, Science and Commerce.        | University of Mumbai | 2017               | 6.43/7          |
| 12 <sup>th</sup>    | Salem English School                               | ISC                  | 2012               | 76.20%          |
| 10 <sup>th</sup>    | Salem English School                               | ICSE                 | 2010               | 79.20%          |

## CERTIFICATION AND ACHIEVEMENTS

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- Successfully completed “Tata MD Check Course on CRISPR Cas” training.
- Qualified GATE Biotechnology (BT), February 2021. All India Rank – 610.
- Organized departmental annual fest “BIOFIESTA” at G.N. Khalsa College in 2018.
- Hands-on training in basic molecular and immunological techniques at Shreedhar Bhat’s Laboratory, Bangalore, May 2015 - June 2015.