

# Sumaiya Hasnain

Student, Science communicator

Graduate student. Seeking to leverage strong research methodology and lab maintenance skills gained through volunteer lab experience.

sumaiya.geneticist@gmail.com

+91-8179183189

Hyderabad

linkedin.com/in/sumaiya-hasnain-b66414181

instagram.com/geneticsresearch101

## EDUCATION

### M.Sc Microbiology

St. Francis College For Women

11/2020 - Present

Hyderabad

### B.Sc Genetics, Microbiology , Chemistry

Shadan Degree College for Women

07/2017 - 09/2020

Hyderabad , Telangana

## PERSONAL PROJECTS

Production and characterization of Protease and study of its antimicrobial and anti-cancer properties (10/2021 - Present)

- Working under my guide Dr M Shailaja Raj

In-Silico Modelling Based Identification of Glypican - 3 Inhibitors in Hepatocellular Carcinomas (08/2020 - 01/2020)

- The heparan sulphate chains on the protein were targetted to inhibit the GPC3 from binding to the FGF2 which prevents the Wnt Signaling pathway from recognizing the GPC3.

Geobacter - An Efficient Microbial Fuel Cell (11/2017 - 02/2018)

- A microbial fuel cell made in the college laboratory using plastic bottles and a customized agar membrane ( salt bridge) for the flow of ions. After a month of trying we achieved to produce electricity of 1.25V.

Breast Cancer - Hormones and Its Interaction with Genes. (10/2018 - 04/2019)

## WORK EXPERIENCE

### Lab Intern

Origin Hospitals ( a unit of C.L.R.D)

08/2021 - 09/2021

Contact : Dr. AFMD Nidaullah - +919052116933

### Intern

Young Academy of India

07/2020 - 09/2020

Achievements/Tasks

- Completed Research under Dr. Nilesh Kumar Sharma

Contact : +91- 7219269540

### Intern

BioLim Centre for Science and Technology

06/2020 - 08/2020

Chennai, India

Achievements/Tasks

- Online Research Internship

## SKILLS

Laboratory Skills

Data analysis

Microarray

Effective communicator

R Programming

Drug Designing

## ACHIEVEMENTS

Certificate of Recognition (2020 - 2021)

Awarded by Microbiologist Society, India

## ORGANIZATIONS

American Society of Clinical Oncology

Member

Breast Cancer Research Foundation

Member

International Natural Product Sciences Taskforce (INPST)

## CERTIFICATES

Ecell-Certificate of excellence (10/2019)

3rd price, national wetlab championship , IITH

ECell -Certificate of merit (02/2019)

Completed training in Microarray Data Analysis

Certificate of Merit (2018)

Gold medal for my research on geobacter

Certificate of Merit (2018)

BSc Gold medalist

Certificate of Merit

Gold Medalist in the department of Microbiology

## LANGUAGES

English

Native or Bilingual Proficiency

Hindi

Native or Bilingual Proficiency

Arabic

Limited Working Proficiency

## INTERESTS

Blog Writing

Sports( badminton, running)

Reading

Contributing to science journals