



# Rituparna Choudhury

M.Sc Applied Microbiology

M.Sc Applied Microbiology graduate (2020), seeking a position in an esteemed organization where all the acquired knowledge and skills can be used to the out most level and proves best for the organization. Also, seeking for a position in an organization where learning is encouraged to acquire new set of skills and gain more knowledge.

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## EDUCATIONAL HISTORY

### M.Sc in Applied Microbiology

KIIT School of Biotechnology

07/2018 - 06/2020

7.86

### B.Sc (Zoology, Botany & Anthropology)

Gauhati University, Guwahati

08/2015 - 05/2018

7.5

## WORK EXPERIENCE

### Research Assistant

Asian Healthcare Foundation, AIG Hospitals

08/2020 - Present

Hyderabad, India

Task

- HBV and HCV quantification.
- TB isolation and PCR followed by Gel Electrophoresis.
- Diagnosis and reporting.

Contact: Dr. M. Sasikala - email id: [aigres.mit@gmail.com](mailto:aigres.mit@gmail.com)

### Project Trainee

Asian Healthcare Foundation, AIG Hospitals

08/2020 - Present

Hyderabad, India

Achievements/Tasks

- **PROJECT:** Effect of Mesenchymal Stem Cell's (MSC's) secretome on liver tissue regeneration (in vivo).
- **ACHIEVEMENTS:** Cell culturing techniques.
- Media preparation.
- Animal behaviour assesment.
- Animal handling.
- Tissue culture lab maintenance.

Contact: Dr. M. Sasikala - email id: [aigres.mit@gmail.com](mailto:aigres.mit@gmail.com)

### Summer Intern

Guwahati Biotech Park (GBP), IIT Guwahati

05/2019 - 05/2019

Guwahati, India

Task

- Basic techniques on Molecular Biology, Microbiology and Imaging.
- Caesin extraction.
- DNA isolation.
- RNA isolation.

Contact: Dr. Bula Choudhury - email id: [bulachoudhury@gmail.com](mailto:bulachoudhury@gmail.com)

## TECHNICAL SKILLS

PCR

RT-PCR

Isolation of DNA, RNA & Plasmid

Agarose gel electrophoresis

Western Blot

SDS-PAGE

ELISA

Gene cloning

Microscopy

Chromatography

Antibiotic assay

Microbial culturing techniques

Animal cell culture technique

Animal tissue culture lab maintenance

Animal handling

Animal behaviour analysis

Media preparation (RPMI 1640 and KO-DMEM)

Media filtration

## CERTIFICATES

### National Workshop on Regulatory Compliance for Accelerating Innovations (06/2019 - 06/2019)

Awarded for participating in one-day workshop at NIPER, Guwahati, organized by DBT jointly with CDSCO and conducted by BIRAC.

### National Science Day (2018)

Awarded for participating in National Science Day organized by Institutional Biotech Hub (Advanced Level), Arya Vidyapeeth College, Guwahati

### Basic Laboratory Techniques

Undergone a 5 days workshop on "Basic Laboratory techniques (Biotechnology)", for basic techniques in biotechnology.

## LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Bengali

Native or Bilingual Proficiency

Assamese

Professional Working Proficiency

## INTERESTS

Travelling

Reading (scientific articles)