

CURRICULUM VITAE

ROSHNI BUTT

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Gender: Female
Passport No: T7466258
Nationality: Indian

OBJECTIVE-

To be associated with an institution of higher education that provides me an opportunity to widen my scientific horizon and to add value to society.

EDUCATION DETAILS-

M.Sc. Degree- 2018-2020

Dr. Hari Singh Gaur Central University
Sagar, Madhya Pradesh, India
Subject: Forensic Science
Result: CGPI 8.17 (out of 10)

B.Sc. Degree- 2015-2018

Dr. Hari Singh Gaur Central University
Sagar, Madhya Pradesh, India
Subject: Forensic Science (major), Chemistry and Zoology
Result: CGPI 7.6 (out of 10)

Diploma Degree (Diploma in Medical Lab technology)- 2014-2015

Dr. Hari Singh Gaur Central University
Sagar, Madhya Pradesh, India
Subject: Human Anatomy, Pathology and Physiology
Result: Percentage 76%

Higher Secondary - 2013

St. Mary Convent School
Bhopal, Madhya Pradesh, India
Central Board of Secondary Education
Overall Percentage: CGPI 7.8 (out of 10)

Secondary - 2011

St. Mary Convent School
Bhopal, Madhya Pradesh, India
Central Board of Secondary Education
Overall Percentage: CGPA 6.8 (out of 10)

RESEARCH EXPERIENCES-

Title- **The role of Heterochromatin in Circadian Clock gene Regulation in *Neurospora crassa*** 2021-2022

Supervisor- Dr. Mukund Ramakrishnan
Host Institution- IISER Berhampur
Type of Project- Project Assistant (SERB funded)

Topic- **Document division (Case solving)** May 2019- June 2019

Supervisor- Dr. Vindresh Mishra
Host Laboratory- Central Forensic Science Laboratory, Kolkata
Type of Project- Project Internship

Title- **“Multidimensional Research to Enable Systems Medicine: Acceleration using a cluster Approach’ (SyMeC)”** 2022-2023

Supervisor- Dr. Jayasri Das Sarma
Host Institution- IISER Kolkata

Title – **“To See the Incidence and Attempt to Find the aetiology of Incidental Pleural Adhesions seen during a medicolegal autopsy at AIIMS Bhopal”.**

Supervisor- Dr. Jayanthi Yadav
Host Institution – AIIMS Bhopal
Type of Project- JRF (Junior Research Fellow) SERB Funded

FACULTY

Host Institution - ADAMAS University, Kolkata
Type of Work – Teaching (Forensic science)

ACHIEVEMENTS & EXPERIENCES-

- Qualified **FACT 2022** Exam in Forensic Biological Sciences.
- Leadership: Examination Coordinator, Event Coordinator, Lab Coordinator [Adamas University] Department of Forensic Science
- *March 2007*- Participated in MBD talent search examination
- *May 2021*- Appointed as a project assistant for a project titled ‘The Role of Heterochromatin in Circadian Clock gene Regulation in *Neurospora crassa*’ (funded by Science and Engineering Research Board (SERB), India) under the guidance of Dr. Mukund Ramakrishnan, Assistant Professor in Department of Biological Science at IISER Berhampur.
- *May 2020*- Submitted an abstract on ‘[DNA Profiling](#)’ in International Forensic Science & Criminal Investigation Summit and Awards (IFCI, Abstract no-17)
- *Aug 2008*- Participated in 1st International Cyber-Olympiad (AIR- 536)
- *Sep 2008*- Participated in 2nd Nationwide Interactive Science Olympiad (AIR- 1130)
- *March 2007*- Participated in MBD talent search examination

COURSE WORK-

- **Forensic science-** Forensic science investigation and criminal justice system, Criminalistics, Crime science investigation, Collection & Preservation of Physical Evidence, Police Science, Forensic physics, Ballistics, Photography and statistics theory, Instrumental methods- physical, Instrumental methods- chemical, Instrumental methods- biology, Forensic chemistry and explosive, Forensic Chemistry, Forensic toxicology, and Pharmacology, Dactylography, and biometrics, Questioned document and their examination, Fingerprint and cyber forensic, Criminology, Judiciary System & Indian Constitution, Basics of Fingerprinting, Development of Fingerprints, Forgeries, Abuse and Misuse of Drugs
- **Forensic Biology-** Forensic biology and serology, Forensic medicine, and medical jurisprudence, the Emerging trend in forensic science, Forensic anthropology, Forensic Botany, Entomology, DNA Profiling, Identification and Examination of Biological Fluids and Body Remains.
- **Chemistry-** Simple Separation Techniques, General Idea and Basic Principle of Distillation, Solvent Extraction Technique, Spectroscopy, Atomic and Molecular Spectra, Instrumentation and Forensic Application of Atomic Absorption/Emission and X-Ray Spectrometry, Chromatography, Electrophoresis, Forensic Microscopy
- **Psychology-** Positive Psychology, Life skills, and personality developments

SKILL SET-

- UV/Visible Spectroscopy, NMR Spectroscopy, Chromatographic Techniques, Vacuum Distillation, Glove Box Handling, Electrophoresis techniques, PCR techniques (RT-PCR), DNA isolation techniques, Histone Isolation techniques, Western blotting technique, Centrifugation techniques, Cell culture techniques, Protein isolation and purification techniques, Fingerprint analysis techniques, Microscopic techniques, ABO blood group analysis techniques.
- **TOEFL iBT Score- 106**

SOFTWARE & PROGRAMMING-

Origin, ChemDraw, Chem Sketch, Pymol, Ai

TRAINING AND WORKSHOP-

- *May 2020-* Participated in the International webinar series on “Forensic science for society” organised by the Department of Forensic Science, G.T.N Arts college, Tamil Nadu.
 - *May 2020-* Participated in the webinar on “Changing face of Forensic Science post covid 19 organised by Forensic India.
 - *July 2020-* Participated in the online Science Leadership Workshop organized by Indian National Young Academy of Sciences (INYAS) and Central University of Punjab on mentoring, collective leadership, problem solving, conflict resolution, time management, women in science, active listening, cross-cultural communication and lab culture.
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OTHER ACTIVITIES-

Social Activities-

May 2021- Submitted an abstract on '[DNA Profiling](#)' in International Forensic Science & Criminal Investigation Summit and Awards (IFCI, Abstract no-17)

ACADEMIC REFEREE-

Dr. Mukund Ramakrishnan

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Dr. Vandana Vinayak

Institute- Dr. Hari Singh Gaur Central University

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