

MAMTA KUMARI

+91 99056 60329

mk448430@gmail.com

Jharkhand

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CAREER OBJECTIVES

As a recent M.Sc. in Biotechnology graduate, I aim to apply my expertise in cell biology, microbiology, molecular biology, tissue engineering, and lab techniques to innovative research projects. I am dedicated to advancing biotechnology through my strong analytical skills, attention to detail, and passion for scientific discovery.

ACADEMIC CAREER

- M.Sc Biotechnology Vinoba Bhave University **75%** in the year of 2024
- B.Sc Biotechnology BBMKU **76.76%** in the year of 2022
- Intermediate from DGSS Inter college, JAC Board **56%** in the year of 2019
- Matriculation from KVS No.1, CBSE Board **74.1%** in the year of 2017

Other Qualification

- Diploma in food quality assessment and food safety VBU **76%** in the year of 2024.
- Advanced diploma in computer applications BCSM **87%** in the year of 2022.

SKILLS

- Leadership
- Easily adapted to situation
- Team work
- Good written and verbal communication skill

Technical Skills

Lab Skill:- Blood Test, Tissue Culture, MTT Assay, Gel Electrophoresis and PAG Electrophoresis, Chromatography (TLC/Columns/HPLC), Western Blot, Protein purification, ELISA Test, Microscopy (Fluorescent/Inverted), Gold nanoparticles synthesis in Biosensor development, Dynamic Light Scattering, UV-Visible Spectroscopy, Nano Biomaterials synthesis in electrospinning technique and Tissue Engineering, Good Laboratory Practices

Computer Skill:- MS Offices

Achievements:

- 19th SOF National Science Olympiad rank 2 **Silver Medal**
- International Women's Day 2024 Rangoli competition **Bronze Medal**

RESEARCH EXPERIENCE

- **M.Sc. Biotech Dissertation**
Nanomaterials Synthesis for Biosensor Development “*Maintenances of NIH/3T3 Fibroblast cell line, and its characterization for Wound Healing Application*” in **National Institute of Animal Biotechnology**, Hyderabad for 6 months Dissertation training in January to June 2024.
- **Project work**
“*Analysis of Coke Oven's ETP BOD Plant*” (Effluent Treated Plant Biological Oxygen Demand) in **Bokaro Steel Plant**, Bokaro for 1 month in October 2022.
- **B.Sc. Biotech Dissertation**
“*Invitro and Biochemical Aspect of Hot Extract by Continuous Extraction (Soxhlet Extracts) Method for Leaf and Bark of Achyranthus aspera*” (Local name:- Chirchira) in **Nitza Bio venture**, Hyderabad for 1 month in March to April 2022.

Research Book Chapter Experience

- “Functionalized MXenes Modified electrochemical sensors” of the book “MXenes based Electrochemical Sensors”.
- The book chapter titled is “Electrochemical biosensing of organophosphates”.

Training:

- Skill Vigyan Training Program from 22nd to 30th June 2023 Organized by **CSIR- IMTECH** (Institute of Microbial Technology), Chandigarh.
- National Skill Development and Hands on Training on Quality Control of Biologicals from 21st Aug to 01st Sep 2023 Organized by **NIB**, Ministry of Health and Family welfare, Government of India, Noida, Uttar Pradesh.

Workshop / Webinar:

- Hands on Workshop on “Food Analysis and Quality Control” (CytoGene Research andDevelopment) held on 27th Feb to 01st Mar 2023.
- Hands on Workshop on “Plant Medicine Study from Bioactive Compounds to Drug Designing”(Nitza Bioventure) held on 22nd to 25th Mar 2022.
- National Workshop cum Training on “Natural Medicine and its Scope in Biomedical sector” (IITMadras Event) held on 03 and 04 Sep 2019.
- Webinar on “Critical Review of India’s New Policy on Education 2020 Prospects and Challenges”held on 20th Aug 2020.
- Webinar on “World Environment Day” Organized by Breakthrough Science Society, Jharkhand held on 05th Jun 2020.

Conference:

- Three-days International Conference on “Exploring New Horizons in Biotechnology (ENB-2023) and Mini-Symposium on “Recent Advances in Biotechnological Innovations (RABI-2023)” held on 10th to 12th Feb 2023.
- 5th Annual Congress of Immuno-Oncology Society of India I-OSICON 2024 held on 12th to 14th Jan 2024 at National Centre for Cell Science (NCCS), Pune.

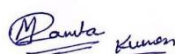
PERSONAL DETAILS:

Father’s Name: Subhash Pramanik
Mother’s Name: Tara Devi
Permanent Address: Sector3/E Quarter no.499 Bokaro Steel City, Jharkhand
Date of Birth: 08 April 2000
Religion: Hindu
Nationality: Indian
Category: OBC
Marital Status: Unmarried
Languages known: Hindi, English

DECLARATION:

I hereby declare that the information furnished here is true to the best of my knowledge and belief. I hereby declare that the information furnished here is true to the best of my knowledge and belief.

Place: Jharkhand



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Signature