

## **POOJA BANIK**

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### **Personal Objective**

*Want to devote myself to a position, where broad research, discipline are required. To work in a powerful position, which will furnish me with a chance to use and create capacity, aptitude and capability as to take the challenge. Possessing extensive knowledge of computational biology methods, database design, and clinic informatics and completely dedicated to performing groundbreaking research in an environment that fosters resourcefulness and inventiveness. Comprehension of general laboratory safety procedures and data storage protocols.*

### **Education**

*M. Sc : Masters of Science  
Subject : Genetic Engineering and Biotechnology  
Passing : continue (2020- )  
University : University of Chittagong*

*B.Sc. (Honors) : Bachelor of Science  
Subject : Genetic Engineering and Biotechnology  
Passing Year : 2020  
University : University of Chittagong  
Result (G.P.A) : 3.40 out of 4.00*

*H.S.C : Higher Secondary Certificate  
College : City Govt. College,  
Group : Science  
Passing Year : 2015  
Result (G.P.A) : 5 out of 5.*

*S.S.C : Secondary School Certificate  
Group : Science  
Passing Year : 2013  
Result (G.P.A) : 5 out of 5.*

### **Skill**

**Microsoft Office:** Microsoft Word, Excel, PowerPoint, Adobe Illustrator, Adobe Photoshop.

**Practical knowledge:** Cell Culture, Paper Chromatography, PCR, RT-PCR, Thin Layer Chromatography (TLC), Separation Of Proteins By "Salting Out" Technique, Emasculation And Hybridization Techniques, Test Of Pollen Viability By Staining Method, Catalase And Peroxidase Activity, Determination Of Proteins In Urine, Media Preparation, Isolation Of DNA From Plant (Banana), Agarose Gel Electrophoresis, Polyacrylamide Gel Electrophoresis, Bacterial Cell Culture, Subculture And Identification, Vitamin C Determination, Plasmid DNA Isolation, Competent Cell Preparation, Explant Encapsulation, Determination Of Milk Adulteration, Potency Of Paracetamol, Sequence Alignment, Restriction Mapping, Primer Designing, Hcg Hormone Test, Preparation Of Standard Curve, CT Scan And MRI For Disease Diagnostic, Lasign Test, Bacterial Staining, DNA Electrophoresis, Genomic DNA Isolation From Blood Sample, Media Preparation, Encapsulation Of Explant, Spectrometry, Blood Group Typing,

*Agrobacterium Mediated Transformation: Seed, Callus And Leaf, Determination Of Drug Resistance By Disc Diffusion Method, Determination Of TDS in Water, Sodium- Potassium Ratio Measurement With Flame Photometer, Qualitative ELISA, Heat Shock Transformation, In Planta Transformation In Germinating Seeds.*

**Dry lab:** *Phylogenetic tree using MEGA, Swiss pdb viewer, ORF finder, perl programming, KEGG, End Note, Chem Draw, Prezi, GraphPad Prism6, Statistical data analysis with SPSS and Redcap*

English: *Fluent reading, writing, speaking*

Bengali: *Mother-tongue*

### **Language Skill**

### **Achievements**

*Awarded a 4 year full free Studentship in Undergraduate study (B.Sc)*

*Awarded by Metro pole Scholarship (2010 & 2011)*

### **Workshops and trainings**

*Intern (2019)*

*Zeba I. Seraj (Ph. D)*

*Professor and Chair*

*Biochemistry and Molecular*

*Biology & Director cBLAST*

[www.du.ac.bd](http://www.du.ac.bd)

*Research Intern*

*Yeasmeen Ali Ety*

*Assistant Professor*

*Genetic Engineering and*

*Biotechnology*

*University of Chittagong*

*Junior Research Intern (2019)*

*Disease Biology and Molecular*

*Epidemiology Research Group,*

*Chittagong*

*Trainee, (2018)*

*GREC-GUSTO Research Workshop*

*Dhaka, Bangladesh*

*Research Intern (running)*

*Nextgen Limited, Chittagong*

*Research Intern (running)*

*Investigating the clinical changes and associated factors among Covid-19 patients of Bangladesh.*

### **Participations**

*Enzyme (volunteer)(2020, 2019, 2017)*

*Bangladesh Biology Olympiad*

*Chittagong region*

*Poster presentation (2018)*

*National Institute of Biotechnology,*

*Dhaka*

*Volunteer*

*National Institute of Biotechnology*

*(2018), Dhaka*

*6<sup>th</sup> Bangladesh Chemistry Olympiad*

*(2014), Chittagong*

*Annual Science and Technology Week*

*(2010), Chittagong*

**Online courses**

*Biology - Cell Division*

*Introduction to the Cardiovascular System*

*Introduction to the Human Nervous System*

*THE SCIENCE OF MEDICINES (MONASH UNIVERSITY)*

*Coronavirus Disease (COVID-19) (Directorate General of Health Services)*