**CURRICULUM VITAE**

**Zinal Roy**

Kendriya Vihar

Sector 82, Noida, UP **E-mail:** zinalroy49@gmail.com Pin code: 201303 **Contact No.:** 9910413206, 8789794615

**OBJECTIVE**

I look forward to work with an organisation which offer a challenging opportunity in enhancing my knowledge, skills and experience that would allow me to contribute towards achieving the organisation goals to the best of my potential.

**EDUCATIONAL QUALIFICATIONS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **COURSE** | **INSTITUTION** | **SUBJECT** | **BOARD/**  **UNIVERSITY** | **YEAR OF COURSE COMPLITION** | **CGPA &**  **PERCENTAGE (%)** |
| **M.Tech** | Amity Institute of Biotechnology | Biotechnology | Amity University | 2021 | 85.2%  (pursuing) |
| **B.Tech** | Amity Institute of Biotechnology | Biotechnology | Amity University | 2019 | 65.2% |
| **Class XII** | International School, Patna | Science Stream | CBSE | 2015 | 67.75% |
| **Class X** | International School, Patna | General | ICSE | 2013 | 69.66% |

**INTERNSHIP & TRAINING**

* Worked on a paper **‘*In silico* Analysis of Superoxide Dismutases as Drug Targets for Cancer’** under the guidance of Dr. Nidhee Chaudhary and Dr. Seneha santoshi as college Minor project in the year 2020. During this project I learned to work with PubChem, RCS PDB, NCBI, Autodock MGL tools, autodock vina, Pymol visualization tool and Ligplot. Using the above mentioned databases I got the structure and other information related to it and using the above tools I docked my protein and visualized the result.
* Worked on a paper **‘Antioxidant Enzymes and Their Role in Human Diseases: An Approach Towards Therapeutics’** under the guidance of Dr. Nidhee Chaudhary as my college Independent Study and Research project in the year 2020. During this project I had through various research and review paper, NCBI and PubMed gathered my information to make my report.
* Worked as intern at National Research Centre on Plant Biotechnology, Delhi under guidance of Dr. Jasdeep Chatrath Padaria (principle scientist) in the year 2019. Worked on ‘**Cloning and characterization of gene *TaSTI* from wheat (Triticum aestivum L.)’.** During this training period I checked the presence and condition of my gene STI in in another vector by gel electrophoresis, produced competent cells, inoculated vector, plasmid isolation of the STI gene, restriction digestion, gel electrophoresis of the gene, gel extraction, ligation with vector, transformation, inoculation, plasmid isolation of the transformed gene, PCR, electrophoresis, restriction, electrophoresis, protein isolation, SDS PAGE. Another work done here was **Agromediated Transformation of Nicotiana with PORE-RD29-GUS,** in thisI inoculated PORE-RD29-GUS, colony PCR of the inoculated product, transformation, co cultivation of gene with *Nicotiana tabacum*, it subcultured after every 10 days and was checked for callus formation regularly.
* Worked as intern for a couple of months at Coca-Cola Hindustan Beverage pvt. ltd., Patna in the year 2018. Learnt basic skill of Quality control and assurance.
* Worked as intern for 1 month at Sudha Dairy, Patna(Government Project) in the year2017.

**Skills**

* Quantification of nucleic acids (Gel based and Spectrophotometric method), Construction of restriction map of plasmid DNA, Southern Blotting technique, Gene cloning, PCR amplification.
* Laboratory safety and instrumentation, aseptic techniques, preparation of culture media, Isolation of microorganisms from air, water and soil: Streak plate method, Spread plate method, Serial dilution and pour plate method, Staining techniques: Simple staining, Gram staining, endospore staining, lactophenol cotton blue staining for fungi, negative staining, Biochemical tests –Indole test. Methyl red test, starch hydrolysis test, catalase test, Generation of bacterial growth curve, Antibiotic susceptibility testing.
* Quality Assurance of Beverage Products and Dairy Products.
* Conventional filtration of bioproduct, Protein precipitation, Aqueous two-phase separation, Ion exchange chromatography / Gel Permeation chromatography

**CONFERENCE/ SEMINAR/ PAPER PRESENTATION/OTHER COURSES**

* Pursuing certified BSI course on **‘Risk Management System’**.
* **Certification of participation in 6 days of ‘Virtual Faculty development programme on Biomaterials and Biotherapeutics’** organized by Col. Dr. Jeppiaar Research Park, Centre for Ocean Research in association with Ministry of Earth Sciences - Earth Science Technology Cell (MoES - ESTC) from 23rd-28th October, 2020 Institute of Science and Technology, Sathyabama College, Chennai.
* Completed **certified BSI course on** **‘Quality Management System’** during the fulfilment of Mtech degree.
* **Certificate for attending webinar on APPLICATIONS OF BIOTECHNOLOGY AND CHEMISTRY IN PHARMACEUTICAL WORLD** held on August 11, 2020 organized under DBT star college scheme by Department of Biotechnology, Khalsa College, Patiala.
* **Certification of participation in the 7 days online Faculty Development Programme on “Small Molecules – Strategies and sophistication”** organized by Col. Dr. Jeppiaar Research Park, Centre for Ocean Research in association with Ministry of Earth Sciences - Earth Science Technology Cell (MoES - ESTC) from 3rd-9th August, 2020 Institute of Science and Technology, Sathyabama College, Chennai.
* ***Certification of Participation* AISNP Webinar Lecture Series on the topic of “A Novel Chemogenomic Screening of Plasmodium PiggyBac Mutants: A Robust and Powerful Tool to Understand Malaria Genomics”** delivered by Dr. Anupam Pradhan, Assistant Professor, City University of New York, New York, United States, held on 29 May, 2020, organized by Amity International Society for Natural Products, Health & Allied Sciences Domain, Amity University Uttar Pradesh, Noida (INDIA).
* ***Certificate of Participation*** ***“Life science Poster Competition”*** organised *by Amity Institute of Biotechnology, Amity University, Noida, and U.P held* on 8th-11th May 2020.
* **Confirmation of participation “Severe Acute Respiratory Infection (SARI) Treatment Facility Design” on 7th April, 2020** Health emergencies programme, World Health Organization (WHO).
* **Record of Achievement “COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform to support country preparedness and response” on 3rd April, 2020** Health emergencies programme, World Health Organization (WHO).

**PERSONAL SKILL STRENGTHS**

* Team spirit
* Accepting challenges
* Positive attitude
* Risk management
* Quality Management

**BIO DATA**

**PERSONAL PROFILE**

**Date of Birth :** 25th May, 1998

**Gender :** Female

**Nationality :** Indian

**Language known :** Hindi, English, Urdu

**Marital status :** Unmarried

**DECLARATION**

“I do hereby declare that the information given above is true and correct, any false claim shall make my candidature cancelled.”

**Signature :**

**Date :** 04th September, 2020

**Place :** Patna, Bihar