



ARUP PAUL

Quality Analyst | Chemistry Post-Graduate| Junior Research Fellow
Kolkata, India
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Professional Summary

Previously worked as Quality Control Laboratory Chemist in Vesuvius India Limited for 1.5 Year and Currently working as a Junior Research Fellow in a funded project of CCRH (Govt. of India).

WORK EXPERIENCE

Quality Analyst

Vesuvius India Limited

Dec 2023 – May 2025

- Conducted quality **testing of raw materials** and finished products.
- Performed chemical analysis to ensure compliance with standards.
- Maintained laboratory records and ensured accuracy in testing procedures.

Junior Research Fellow

JIS Institute of Advanced Studies and Research

May 2025 – May 2026

- Currently working as a **Junior Research Fellow** in a funded project of CCRH (Govt. of India) named **“Exploring the Efficacies of Homoeopathic Drugs in ameliorating the Treatment of Diabetes: In-Vitro and In-Vivo Investigation”**
- A paper has been published with the title **"Extrusion-based 3D-printable amyloid nanofibril-based hydrogel: A multifunctional system for hemostasis and**

localized drug delivery applications" in the Journal of Drug Delivery Science and Technology (ELSEVIER)" as a 2nd author.

- Currently Working on a Manuscript named **"The Role of Rutin conjugated Silver Nanoparticle in Inhibition of Protein Aggregation"** under the supervision of **Dr. Pooja Ghosh**.
- Worked with **Oral Saliva** for a paper on **Oral Cancer**.
- worked in a paper on **Graphene** based material.

EDUCATION

- **M.Sc. in Chemistry**
Ramakrishna Mission Vivekananda Centenary College
CGPA=8.82
2023
- **B.Sc. in Chemistry**
University of Calcutta
CGPA=8.192
2021
- **Higher Secondary (XII)**
Harinavi D.V.A.S High School
Percentage=88.6
2018
- **Secondary (X)**
Harinavi D.V.A.S High School
Percentage=88.71
2016

PROJECT & PAPER

Preparation and Characterization of Mixed-Ligand Oxidovanadium (IV/V) Complexes

Duration: 90 Days (During MSc Desertation)

- Synthesized ligands and analyzed their behavior in different solvents
- Studied coordination chemistry and compound stability

Extrusion-based 3D-printable amyloid nanofibril-based hydrogel: A multifunctional system for hemostasis and localized drug delivery applications.

In Journal of Drug Delivery Science and Technology (ELSEVIER)

Qualified for Inspire Fellowship in 2018 but I could not avail that for getting a State Scholarship (SVMCM).

KEY SKILLS

- UV-VIS Spectrophotometry (JASCO V-730)
- PL Spectrophotometer (HITACHI f-4700)
- Tube Furnace
- Homoeopathic Medicines (Specially Diabetes Medicines)
- Origin
- CD Spectrophotometer
- Centrifuge
- Magnetic Stirrer
- Bath Sonicator
- Protein Samples (Insulin, BSA, HSA, Lysozyme)
- Dyes (ThT, Congo Red, Nile Red)
- Particle Size Analyzer
- ROTAP Machine
- Particle Size Analyzer
- TIRA Machine
- Karl Fischer
- FTIR Machine
- Hydraulic Press
- High Performance Liquid Chromatography (HPLC)
- Gas Chromatography (GC)
- Thin Layer Chromatography (TLC)
- Titration Techniques
- Chemical Analysis & Testing
- Inorganic Chemistry
- Laboratory Operations, Good Laboratory Practice (GLP)
- MS Office (Word, Excel, PowerPoint)
- Basic Computer Skills
- Teaching & Lab Assistance

LANGUAGES

- Bengali
- English
- Hindi

INTERESTS

- Cricket
- Music, Guitar
- Cinema
- Food & Travel Vlogging

ADDITIONAL INFORMATION

- Total Work Experience: ~ **2 years 6 months** & some more papers have to be Published.

Date: 26 May 2025

EL / Vesuvius India Limited/May/2025

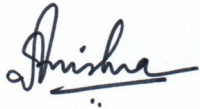
Arup Paul ,
KOLKATA

To Whomsoever It May Concern

This is to certify that Mr. Arup Paul has been in employment with Ciel HR Services Pvt. Ltd. and been deputed to Vesuvius India Limited as from 04 December 2023 to 27 November 2024 as a NAPS Apprentice having Apprentice no-A122314237 under QC dept.

We wish all the best for his future endeavors.

Yours Truly
For Ciel HR Services Limited



Aditya Narayan Mishra
CEO



EXPERIENCE CERTIFICATE

This is to certify that **Mr. Arup Paul** has worked as a Junior Research Fellow (JRF) under my supervision at the **Centre for Interdisciplinary Sciences, JIS Institute of Advanced Studies & Research (JISIASR), JIS University (JISU), Kolkata, from 5th May 2025 to 12th May 2026.**

During this period, Mr. Arup was actively involved in a research project focused on the insulin fibrillation process. He has demonstrated keen interest and proficiency in performing laboratory techniques and has gained **hands-on experience with spectroscopic methods**, including **UV-Visible spectroscopy** and **fluorescence spectroscopy**.

He exhibited a sincere attitude towards learning and contributed effectively to the research activities during his tenure. Besides showing high comprehension capacity and managing assignments with dexterity, he has also maintained an outstanding professional demeanour and showcased moral character throughout the internship period.

I wish him all the best for his future academic and professional endeavours.

Pooja Ghosh

Dr. POOJA GHOSH
Assistant Professor
Centre for Interdisciplinary Sciences
JIS Institute of Advanced Studies & Research, Kolkata
JISIASR, JIS University

Dr. Pooja Ghosh
Assistant Professor
Centre for Interdisciplinary Sciences (CIS)
JIS Institute of Advanced Studies & Research (JISIASR), JIS University (JISU)
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