

Curriculum Vitae

NAME: SWAPNAMOIY KARMAKAR

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Career Objective:

"Seeking a challenging position in the field of chemistry where my expertise in chemical analysis, research, and laboratory techniques can be utilized to contribute to scientific advancements and organizational goals.

EDUCATIONAL QUALIFICATIONS:

Sr.no	Course	BORD/UNIVERSITY	PASSING YEAR	% Marks
<u>1</u>	M.Sc. (Organic Chemistry)	Rani Rashmoni Green University (West Bengal State University)	2022	75.9 [8.09(CGPA)]
<u>2</u>	B.Sc. (Chemistry)	Kazi Nazrul University	2020	74.8 (7.48 CGPA)
<u>3</u>	H.S(12 TH)	WBCHSE	2017	64.6
<u>4</u>	Madhyamik(10 TH)	WBBSE	2015	72.12

CERTIFICATE COURSES

COURSE	ORGANISATION
Organometallic Chemistry	NPTEL-SWAYAM [IIT BOMBAY]
CITA	YOUTH COMPUTER TRAINING CENTRE [GOVT OF WB]
DITA	YOUTH COMPUTER TRAINING CENTRE [GOVT OF WB]

REVIEW PAPER:

- An overview of the synthesis, structure, biological activity and catalytic application of bis(salicylidine) complexes of cobalt.

Under Supervision Prof. Shouvik Chattopadhyay (Jadavpur University)

<https://doi.org/10.1016/j.rechem.2025.102820>

- Curcumin Extraction, Synthesis and Pharmacological Activity.

[Under supervisor Dr. Pathik Maji (Guest faculty of RRGU)

Key Skills:

Chemical Analysis: Titration, Wet & Dry test of Acid & Basic Radicals, Single detection of Organic Compound, Column Chromatography, Solid Content, Viscosity, Surface Tension, pH, Conductivity, Concentration Analysis, Free Alkalinity, Total Alkalinity, Oil Content, Iron content determination, Foamability Bomb Calorimeter.

Instruments: pH meter, Conductivity meter, Bomb Calorimeter, Redwood Viscometer.

IT Skills: Microsoft Office (Word, Excel, PowerPoint).

INSTRUMENT KNOWLEDGE: UV, FT-IR, NMR, HPLC, XRD.

CAREER: -

Organisation: GTZ(India) Private Limited. Kolkata, West Bengal.

Location: Jamshedpur, Jharkhand.

Position: Executive (Technical service)

Tenure: From Feb'2024 to may,2024.

Key Responsibility:

- Cold Roll Mill Operation at Tata Steel Ltd.
- Chemical analysis of product and cleaning bath solution like Free Alkalinity, Total Alkalinity, pH, Viscosity, Surface Tension, Conductivity, Reflectivity etc. Input Oil & Iron on Cold Roll Sheet, Output residue Oil & Iron on Sheet after cleaning, Chrome Content%, DFT after TOC chemical application, Corrosion resistant analysis by Salt Spray Tester after Coating etc.
- Documentation Test Report.

Organisation: Amersil KETEX PVT LTD

Location: Gagret, Himachal Pradesh.

Position: Quality Officer, QC dept.

Tenure: From June,2024 to Present.

Key Responsibility: Chemical Lab Testing, Test Report, PDI, IQC, Online inspection, Root Cause Analysis (7 QC tools, 4M, 8D). Customer plant visit, 5S, Audit Documentation, Training, Customer complaint Handling.

PERSONAL DETAILS

Address: - Vill + P.O – Maliara, dist -Bankura, West Bengal

PIN- 722142

DOB: 10/03/1999

Gender: Male

Marital status: Unmarried

Nationality: Indian

Language knowledge: Bengali, English, Hindi.