CURRICULUM VITAE

***AVIJIT GHOSH****,* ***(CRO-Senior Research Associate),Male, 31+, Indian***

# Phone :(+91) 9874335778 /9123012408

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**Total Experience :** 8 years

**Present Position :** Senior Research Associate-II(26th April to till date)

Aragen Lifesciences Private Limited (Formerly known as GVK Biosciences Private Limited) Hyderabad**.**

**Objective:** Seeking a position to utilize my skills in an industry that offers professional growth while being resourceful. I want myself to emerge as a key player in challenging environment, where it would be possible for me to apply my knowledge for the welfare of my company as well as my society.

## Present Responsibilities

* *Project Implementation on Custom Synthesis and Optimization of Process for Newly Designed or Known Organic Molecules (Aliphatic, Alicyclic, Heterocyclic, Aromatic, Chiral etc).*
* *Work in hand on various types of Synthetic Organic Reactions including Catalysis, Greener Approach, New Synthetic Methodologies etc.*
* *Evaluating and developing synthetic routes for any class of organic molecules and designing synthetic routes for new classes of compounds & solving challenges when synthetic problems occur.*
* *Achievement to complete the time-bound projects containing the synthesis of organic molecules.*
* *Evaluation of Analytical data (NMR, LCMS, MS, IR, HPLC etc).*
* *Use of chemistry databases such as SCIFINDER, REAXYS.*
* *Instrument handle - Discovery Microwave, Paar Microwave-300 Combiflash, Paar Shaker, Amar Autoclave, Combiflash chromatography etc.*
* *Supervising of Junior Chemists, Help them to achieve goal and Leadership attitude to give them necessary suggestions using best of my knowledge.*
* *Send weekly updates to my supervisor in MS PowerPoint/Word format and final compounds details ( vial number, tare wt., gross wt., melting point etc. ) in MS Excel format.*

***Work Description***

* Performed reaction, monitoring the reaction, reaction work-up, purification of the compound by column chromatography, non-polar solvent wash, crystallization, recrystallization, preparative TLC and operation all lab equipment.
* Record the observation of reaction, results, utilization of resource in the ELNB in timely manner and ensure the confidentiality at all the times.
* Handling exposure of various pyrophoric reaction such as BuLi, TFA, sodium metal, LiBH4 , NaBH4 .
* Able to handle projects that involve synthesis of complex molecules which are not reported in literature.
* Able to performed chiral resolution of a pair of diastereomer derivatives by conventional recrystallization.

**Reagents used:-**

**Oxidising Reagents:-**

PCC, IBX, Oxalyl chloride/DMSO/TEA (Swern Oxidation), MCPBA, Hydrogen Peroxide, Per- acetic acid etc.

**Reducing Reagents:-**

LAH, DIBAL, NaBH4, Pd/C, NiCl4/NaBH4, Fe/HCl, Fe/NH4Cl, Raney Nickel, Zn/AcOH etc.

**Catalyst:-**

Pd(PPh3)4, Pd(OAc)2, Pd(dppf)Cl2, Pd2(dba)3, PdCl2 etc.

**Some Typical Reagents:-**

Triphosgene, Thiophosgene, NaCN, Na-metal, NaH, CaH2, EDCI.HCl, Iodine, PCl5, LDA, n-BuLi, tert-BuLi, POCl3, SOCl2, Bromine, Chlorosulphonic acid, NBS, NCS, Hydrogen, Chlorine, Ammonia, Sulfur dioxide, Hydrogen chloride, Ethylene, Ethylene oxide etc.

## Working Experience (Industrial after M.Sc.)

* Currently Working in **Aragen Lifesciences Private Limited** as **Senior Research Associate-II** from 26th April,2021 to till now.
* **Research Scientist** in **TCG Lifesciences Private Limited**, Kolkata, from 14th July, 2016- 12th April, 2021.
* **Senior Research Associate** in **Piramal Enterprise Ltd** from 15th Dec,2015- 14th June,2016.
* **Research Chemist** in **TCG Lifesciences Pvt.Ltd** from 14th Nov,2013 -4th Dec,2015.
* **Trainee Chemist** in **Chemgen Pharma International(P) LTD**. From 11th June 2013 – 12th Nov, 2013.
* **Junior Environment Chemist** in Envirochek 21st Nov, 2012- 1st June, 2013. (Analysis of effluent water/waste water, Drinking water, Air. According to west Bengal pollution control board and C.P.C.B parameter)

**ACADEMIC CREDENTIALS**

**2012 Master of Science**- **(Organic Chemistry Special)** from University of Mysore

with 75.97%.

**2010 Bachelor of Science with Chemistry honors** from *University of*

*Calcutta, West Bengal* with 51.5%.

**2007** **Higher Secondary Education (Science)** from *West Bengal Council of*

*Higher Secondary Education* with 75.60%.

**2005** **Madhyamik** from *West Bengal Board of Secondary Education* with 72%.

Project review **A GENERAL VIEW ON SYNTHESIS, STRUCTURE & PROPERTIES OF COPPER COMPLEXES OF SOME NOVEL AZO LIGANDS, Prof. UTTAM DAS, Department of Chemistry ,Kalyani Government Engineering College.**

**PERSONAL DETAILS**

Date of Birth : 02/01/1990

Father’s Name : Shri Ranjan Kumar Ghosh

Permanent Address : *Vill.*: Narayanchak, *P.O.*- Turka Kasba, *P.S.*- Dantan, Dist.- Paschim Medinipur, State.- West Bengal, *PIN-* 721445.

Marital Status : Married

Nationality : Indian

Sex : Male

Language Known : Bengali, English, Hindi

***References***

1) Dr. Parag Mukherjee TCG Lifesciences Pvt LTD.  
 Designation: Group Lead

Department: Chemistry  
 Contact No: 7439062273

2) Dr. Srimanta Manna TCG Lifesciences Pvt LTD.  
 Designation: Team Lead

Department: Chemistry  
 Contact No: 9051707256

# Declaration

I do hereby declare that the above information is accurate and authentic to the

best of my knowledge.

Place: Hyderabad, Telangana Avijit Ghosh

Date :12.12.2021