

# Satyaki Mondal

## Research Associate

### Syngene Internanal Limited

Bangalore, India

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Looking for a challenging career in the field of process development and project management, where there is scope for demonstration, always on a look out for positive outlook, thrive on boundless curiosity and rigorous thinking.

## Academic Credentials

Qualification	Institute/College	Board/ University	Year	Percentage/CGPA
X	Kotrung Bupendra Smriti Vidyalaya, West Bengal, India	West Bengal Board of Secondary Education, West Bengal, India	2008	75.5 %
XII(10+2)	Bhadrakali High School, West Bengal, India	West Bengal Council of Higher Secondary Education, West Bengal, India	2010	77.6 %
BSc(Graduation) Hons in Chemistry	Bhairab Ganguly College, West Bengal, India	West Bengal State University, India	2013	56.0 %
MSc(Post Graduation in Chemistry)	Sree Chaitanya College, West Bengal, India	West Bengal State University, India	2016	5.87 (CGPA)

## Professional Experience

### Research Chemist:

TCG Lifesciences Pvt Ltd, Kolkata, West Bengal, India: December, 2016 to December 2019.

### Research Associates:

Syngene International Limited, Bangalore, Karnataka, India: February, 2020 to till date.

## **Professional Competence**

- Carrying out organic synthesis, purification and analysis of novel molecules.
- Separation and purification methods such as column chromatography (normal phase & reverse phase), Combi-flash, Buchi-Grace, biotage columns, recrystallization and trituration.
- Independently evaluate and trouble shoot synthesis problems.
- Handling of various types of chemical reactions from laboratory small scale (mg) to large-scale (Kg) production.
- Multi-steps synthesis and their characterization by NMR, LCMS, GCMS, UV, IR, TLC.
- Proper documentation such as ELNB writing, weekly report, final report(protocol)
- Well versed in total working mechanism of any kind of equipment or machine after referring operating manual just like SOP(standard operating procedure)
- Shipment of the final compounds to the designated clients.
- Team and Project management.
- Quick adaptability, Effective working, co-operative and result oriented approach.

## **Practical Exposure**

- Metal catalysed coupling reactions such as Suzuki, Sonogashira, Stille, Negeshi, Heck, Buchwald, Chan-Lam coupling.
- Protection and deprotection of -OH,-NH<sub>2</sub>.
- Reduction with LAH, NaBH<sub>4</sub>, LiBH<sub>4</sub>, NaCNBH<sub>3</sub>, BH<sub>3</sub>-DMS, DIBAL-H, Pd/C, Raney Nickel etc.
- Reactions such as hydroboration, esterification, tosylation, mesylation.
- Handling reactions using Parr-Shaker, Autoclave, Microwave.
- Oxidation reactions using m-CPBA, MnO<sub>2</sub>, H<sub>2</sub>O<sub>2</sub>, PDC, PCC, Collins reagent, swern oxidation, dess-martin oxidation, Tempo etc.
- Reactions handling with pyrophoric reagents like n-BuLi, NaH & MeLi.
- Several Grignard reactions with the synthesis of Grignard reagents.
- Reaction handling such as apple reaction, Hydrogenation reactions, Wittig reaction, Mitsunobu reaction.
- Amide coupling reagents like EDC-HOBT, HATU, HBTU, PyBOP, CDI, T3P etc.
- Rearrangements like Wolf Rearrangement, Schmith, Beckmann, Claisen, Hoffmann etc.
- Cyanide reactions using KCN, NaCN with following utmost safety precautions and SOP.

## **Computer Skill**

- MS word, MS Excel, MS Power Point, MS Office & BASIC of computer.
- Chemdraw, ISISdraw, SAP.
- Scifinder, Reaxys application for literature search.

## **Personal Profile:**

Name	: <b>Satyaki Mondal</b>
Father's Name	: Asoke Kumar Mondal
Date of Birth	: 15 Nov 1992
Nationality	: Indian
Languages Known	: English, Bengali, Hindi.
Marital Status	: Unmarried.
Sex	: Male
Permanent Address	: C/O Asoke Kumar Mondal 179/4, Dharmatala Lane, Kotrung, Hindmotor, Hooghly PIN: 712233, West Bengal, India,
Present Address	: # 18, 2 <sup>nd</sup> Cross, Chowdareddy Layout, Bannahalli Road, Chandapura Post, Attibele Hobli, Anekal Taluk, Bangalore- 560099, Karnataka, India.
Hobbies	: Playing Football, Reading Books, Playing Violin, Travelling.

I'm having 4 years and of experience in Discovery R&D, Synthetic Organic Chemistry especially in Medicinal Chemistry in leading CROs in India. By utilizing my skills and experiences in the Synthetic Chemistry overcome the challenges in the Drug Discovery. I'm looking for opportunities to work in CRO's about Drug Discovery services for growing up my skills and knowledges.

**Place: Bangalore, India**

**Satyaki Mondal**