

## CURRICULUM VITAE

**YADDANAPUDI PRABHAKAR**

**Bangalore.**

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### Objective

To acquire a suitable position in an Organization which gives me a chance to improve my knowledge and enhance my skills. I am willing to work as a key player in challenging & innovative environment with committed and dedicated people.

### Work Experience

- Worked as a Research Scientist at [Syngene International LTD \(Biocon\)](#) Bangalore, Karnataka (May 2010 – April 2020)
- Worked as a Senior Research Associate at [Sai Advantiumpharma Ltd.](#), Pune, Maharashtra. (April 2008 - May 2010)
- Worked as a Research Chemist at [Chembiotek Research International PVT.LTD\(TCG LIFESCIENCES LTD\)](#), Pune, Maharashtra. (August 2006 - March 2008)
- Worked as a Research Chemist at [Jubilant chemsys](#), Noida, Uttarpradesh (February 2006 - July 2006)
- Worked as a Research Associate on contract basis at [Dr.Reddy's laboratory](#) Hyderabad, Andhra Pradesh. (April 2005 - January 2006)

### Professional Development

- 2009: promoted as a senior research associate in one year of joining.
- 2009: Awarded as a star performer in the organization.
- 2011: promoted as a senior associate scientist II.
- 2014 : promoted as research scientist.

### Job Profile

- Trouble shooting in the given synthetic scheme by using proper literature search and logical thinking.
- Conducting Feasibility, Optimization, validations for the given targets.
- Development of various new methods in synthesis of novel therapeutic molecules.
- Synthesis of given molecules by choosing a proper scheme.
- Synthesis of complex organic molecules from milligram to kilogram and scaling up of the reactions.

- Purification of compounds by chromatographic reverse phase methods, direct distillation methods, crystallizations and reprecipitation methods.
- Expert in purification methods like Column chromatography by using silica gel, alumina and reverse phase (C18) columns.
- Analysis of HPLC, FT-IR, UV, NMR, LC-MS and other analytical data.
- Proper documentation work for the synthesized molecules.
- Guiding the newly joined trainee chemists.
- Making weekly updates for the weekday's work.
- Literature work for the given target compounds.
- Preparing power point slides for weekly presentations.

#### **Familiarity in projects:**

I have a very good experience in pharmaceutical (minor) and CRO (major).

I am having good experience in doing Medicinal chemistry, anticancer agents and having good knowledge in doing heterocyclic chemistry and peptide synthesis. Excellent knowledge in patented chemistry.

#### **Familiarity with organic chemistry**

C-C bond formation reactions	Suzuki reaction, Heck reaction, Grignard reaction, Diels alder reaction.
C=C bond formation reactions	Wittig reaction, Henry reaction.
Rearrangements reactions	Hoffman, Curtius, Schmidt, Beckman rearrangements
Peptide chemistry	HATU, DCC, EDCI.HCl, HOBt, TBTU
Reducing agents	PtO <sub>2</sub> , Pd/C, NiCl <sub>2</sub> , LAH, NaBH <sub>4</sub> , NaCNBH <sub>3</sub> , NaBH(AcO) <sub>3</sub> , N-Selectride, DiBAL-H.
Oxidations	Swern oxidation, Jones oxidation, PCC, IBX, KMnO <sub>4</sub> , SeO <sub>2</sub> , MnO <sub>2</sub> .
Protecting groups	Boc, Fmoc, Cbz, Benzyl, TBDMS, Benzoyl, Acetyl, THP, Tosyl, Mesyl, glycol etc
Heterocyclic compounds	Spiro compounds, pyridine, piperidine, thiophene, pyrrolidine, isoquinoline, imidazole, pyrazole, benzothiophene, Oxazole, phenothiazene, etc

**Technical skills:**

- Reaxys, Chem.-draw, ISIS-DRAW, Microwave (CEM, BIOTAGE).
- Microsoft Word, Excel and PowerPoint.

**Strengths**

- Expert in trouble shooting in patented chemistry.
- Analytical & Logic seeking process in achieving solutions.
- Ability to shoulder job responsibilities, manage and head the given department and capable of working under job pressure.
- Willing to work hard.
- Innovative thinking in work.
- Having good knowledge in heterocyclic chemistry and medicinal chemistry molecules.

**Educational Qualifications**

- **M.Sc.** with the specialization of **organic chemistry** in the year of 2001-2003 with **62.5%** from TJPS College, Acharya Nagarjuna university, Guntur (dist), Andhrapradesh state.
- **B.Sc. (Botany, zoology, chemistry)** in the year of 1997-2000 with **70%** from SSN College, Acharya nagarjuna university, Guntur (dist), Andhrapradesh state.
- **Intermediate education** in the year of 1995-1997 with **60.8%** from CSR sarma college, Ongole, Andhrapradesh state.
- **S.S.C** in the year of 1995 with **70%** from ABM high school, Markapur, Andhrapradesh state.

**Personal Details**

Date of Birth : 21-01-1980

Gender : Male

Marital Status : Married

Languages known : Telugu, English, Hindi

Permanent Address : Tellabadu post, Maddipadu mandal, Prakasam(d.t), Andhrapradesh state-523263

**DECLARATION:**

**I hereby declare that the information furnished above is correct and are true to the best of my knowledge.**

**Place: Bangalore**

**Yours Sincerely,  
(Y.Prabhakar)**