

# CURRICULUM VITAE

Mr.Sunil Uttam Chavan

**Permanent Address:**

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## Objective:

- I am Enthusiastic to work in research .I want to expand my Knowledge by working with leading organisation.My aim is to discover my ability through my hard work.

Exam passed	Board/University	Year	% Marks
<b>M.SC</b> <b>(Organic Chemistry)</b>	University of pune	April-2016	71.45%
<b>B.SC</b> <b>(CHEMISTRY)</b>	University of Aurangabad.	April -2014	81.33%

## Job profile:-

**Present Employer** : Since June-2019 to till date working at Oxygen healthcare Pvt. Ltd  
Ahmedabad (GJ) as Scientist-I.

**Experience.** : 3-year experience of synthesis in Jubilant Biosys (Chemsys), Noida.  
• 6-month project experience on college level.

**AWARDS ACHIEVED** : **Rookie of the year** (Scientific),2017, Torch bearer trimonthly award  
From JUBILANT CHEMSYS LTD. Noida.

**Notice period** : 2Month.

## Highlight's:



- Familiar with IP related databases such as Sci-hub, Reaxys, SciFinder and knowledge of Chemdraw, MS-Office.
- Experienced in multistep Heterocyclic synthesis using various synthetic methodologies.
- Expertise in characterization of organic compounds using **TLC, LCMS, <sup>1</sup>HNMR** Spectroscopy.
- Experience in making daily and weekly project report.
- Standardization, Optimization and Scale up of reactions as per the customer requirement.
- Ability to work in group as well as independent.
- Experience in chemical ordering, lab stationary ordering.
- Multi-steps synthesis of Organic compounds from **10 mg to 1 kg scale**.
- Purification on scale **10 mg to 1 kg** using column chromatography and other method such as solvent treatment, acid-base work up, crystallisation.
- Experienced in **normal phase & reverse phase flash Chromatography** in different buffer solutions.
- Interaction with seniors and also junior regarding chemistry problems.
- Experience of microwave reactions, autoclave reaction, hydrogenation reactions.
- Individually work on linear synthesis up to 23 steps in FTE project.

### **Name Reaction Handeled:-**

**Grignard reaction, Michal Addtion, Wittig reaction, Reductive amination, Sandmeyer reaction, Cyclisation, Halogenation, F.C. Acylation, Alkylation, Ring Contraction and Expansion Reaction, acid amine coupling , Appel reaction, Gabriel Synthesis, click reaction, etc.**

- **Coupling Reaction-** Heck, Suzuki, Stille, Sonogashira, Buchwald, Negishi, Kumada Coupling.
- **Oxidation-** PCC, KMnO<sub>4</sub>, OsO<sub>4</sub>, MnO<sub>2</sub>, SeO<sub>2</sub>, DMPI, Swern Oxidation, m-CPBA, NaIO<sub>4</sub>.
- **Reduction** - LAH, LBH, H<sub>2</sub> Pd/C, Pd(OH)<sub>2</sub>, PtO<sub>2</sub>, Raney-Ni, BH<sub>3</sub>-DMS, NaBH<sub>4</sub>, NaCNBH<sub>3</sub>, DIBAL, .
- **Experience in handling;-** n-BuLi, MeLi, LDA, LiHMDS, RMgX, NaH, LAH, BBr<sub>3</sub>, Br<sub>2</sub>, POCl<sub>3</sub>, SOCl<sub>2</sub>, (COCl)<sub>2</sub>, DIBAL, TiCl<sub>4</sub>, NaCN, KCN, O<sub>3</sub>.



- **Reagent Used:** comins reagent, Grubbs catalyst(gen.I&II), Mukaiyama Reagent, etc
- **Experience to prepare toxic chemical like Diazomethane in lab.**
- **Pyrophoric chemical handled on Lit. Scale up to 2 Lit at once like DIBAL-H.**

**Technique of purification:** Gravity Column,Combi-flash and Reverse phase Chromatography.

**Personal Details:**

NAME : Sunil Uttam Chavan  
 D.O.B : 22/01/1993  
 MARITAL STATUS : Unmarried  
 GENDER : Male  
 NATIONALITY : Indian  
 LANGUAGE KNOWN : English, Hindi, Marathi.  
 BLOOD GROUP : B+.

**Declaration:**

I hereby declare that the all above information given by me is true and correct to the best of my knowledge.

**Mr. Sunil Uttam Chavan.**

