

# KOMAL GHADIGAONKAR

## PERSONAL DETAILS

DOB - 12 MAY 1997

LANGUAGES KNOWN - ENGLISH, MARATHI, HINDI

GENDER - FEMALE

## CONTACT

+917887730563

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Sector-8, Near RF Naik School  
Koparkhairane, Navi Mumbai-  
400079

## EDUCATION

MUMBAI UNIVERSITY 2019-2021  
(KALINA CAMPUS)

- M.Sc in Organic chemistry  
(GPA - 9.02)

MUMBAI UNIVERSITY 2015-2018

B.Sc in Chemistry ( 87.38% )  
KANKAVLI COLLEGE 2013-2015

- HSC ( 64.31% )

## RESEARCH PROJECT

Topic - Synthesis of axially chiral  
amines and it's application in  
asymmetric catalysis.

## ADDITIONAL QUALIFICATION

AD-MLT 2018-2019  
(DISTINCTION)

## ANALYTICAL SKILLS

- BET( MICROMERITICS ASAP 2020)
- CHNS (ELEMENTOR)
- GC(THERMO  
SCIENTIFIC,SHIMADZU)
- TS/TN (ANTEK-MULTITEK)
- RGA (PAC)
- HPLC (AGILENT)
- pH-METER/FURNACE
- CONDUCTIVITY METER

## PROFILE SUMMARY

A dedicated professional with an M.Sc in Organic Chemistry, I have a robust background in R&D, currently contributing to innovative projects at a leading research center. My experience includes a tenure with a prominent pharmaceutical company, where I played a key role in the development and documentation of pharmaceutical compounds. My expertise spans in heterogeneous catalysis and analytical techniques. Known for my problem-solving skills and collaborative approach, I consistently deliver high-impact results in complex and dynamic environments.

## WORK EXPERIENCE

### 1.R & D CENTRE, RELIANCE INDUSTRIES LTD (JAN2023 TO TILL DATE) RESEARCH LAB ASSISTANT

#### i)Heterogeneous catalyst preparation:

- Synthesized  $\gamma$ -Al<sub>2</sub>O<sub>3</sub>, MCM-41
- Extrusion of  $\gamma$ -Al<sub>2</sub>O<sub>3</sub>
- Metal loading using wetness impregnation method

#### ii)Cathode Active Material Synthesis:

- Synthesized Sodium and Lithium-ion battery cathode material using precipitation method
- Impurity removal from diesel/vacuum oil, bio-oil,etc.
- Chloride and nitrogen removal from bio-oil obtained after bio-mass pyrolysis
- Catalyst characterization: BET, CHNS, Crushing strength
- Feed and product characterization: TSTN, HPLC, RGA, GC, Lab safety and housekeeping representative

### 2.QA OFFICER - 01/2022 TO 1/2023 SAPPHIRE LIFESCIENCES PVT. LIMITED

#### i)Document issuance BMR & BPR and review

#### ii)Dispatch IPQA, Secondary packaging IPQA

#### iii)Knowledge about Change Control, Deviation and Stability studies

#### iv)BMR, BPR, MFR preparations

### 3.QC CHEMIST - 10/2021 TO 01/2022 ADORE PHARMACEUTICALS

#### i)Analysis and reporting of water.

#### ii)Testing and sampling of Raw material and retest.

#### iii)Testing and reporting of traces.