



# Dr. SAEESH R. MANGAONKAR

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04 June, 1991

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Objective: To achieve success in my life by self-motivation, honesty and hardwork. To expand my knowledge by learning new things and solving challenging problems faced during work tenure. To make a significant decisions and secure a responsible opportunity in life in order to utilize my general communication skills.

## EDUCATION

### Doctorate In Chemistry

VIT University Chennai Campus

01/2016 - 04/2021

Chennai, Tamil Nadu, India- 600 127.

### Mater Of Science (Organic Chemistry)

Percentage :70% (A Grade) Goa University

06/2013 - 05/2015

Goa, India-403 206.

### Bachelor Of Science (Chemistry)

Percentage: 81% (Distinction) D. M's College of Art, Science and Commerce

06/2010 - 05/2013

Assagao, Goa, India-403 507.

### H.S.S.C

Percentage: 63% (First) Purushottom Walawalkar Higher Secondary School

06/2008 - 05/2010

Mapusa, Goa, India-403 507.

### S.S.C

Percentage: 72% (First) New Goa High School

06/2001 - 05/2007

Mapusa, Goa, India-403 507.

## WORK EXPERIENCE

Syngenta Biosciences Pvt Ltd

07/2020 - 01/2022

Corlim, Ilhas Goa - 403 110

#### Achievements/Tasks

- Experience in development of New Chemical Entities (NCEs).
- New chemical methodologies.
- Total synthesis of biologically active natural products.
- Process and scale up chemistry.
- Use of variety of analytical methods to monitor reaction progress.
- Ability to interpret data and draw conclusion.
- Ability to develop new, creative solution to obstacles in the path of creating complex synthetic target.
- Technical communication skills, in order to present results in both written and oral format.
- Testing out new reactions on small scale, then move into plant to implement successful outcome at larger scales.
- Techniques of minimize by-product impurities.

## SKILLS

Problem-solving

Team-work

Responsibility

Data Analysis

Writing

Design

Computer software and application Knowledge

## LABORATORY SKILLS

Expertise in carrying out multi-step organic synthesis, sensitive organic reactions in Schlenk line techniques using vacuum line.

Designing different heterocyclic compounds such as benzofurans, lactones, organometallic chemistry, Organoselenium chemistry and Hypervalent iodine Chemistry, Synthesis of Teraryl.

Expertise in purification and characterization of organic compounds by different techniques.

Development of synthetic methodologies.

Knowledge and understanding of modern analytical methods: NMR spectroscopy, IR, GC-MS, LC-MS, HRMS, HPLC, UFLC, UV-Vis.

## RESEARCH INTEREST

Broadly interested in synthetic organic chemistry.

Metal-catalyzed C-C bond formation reactions.

Novel methods towards heterocyclic synthesis of biological importance.

## LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Marathi

Native or Bilingual Proficiency

Konkani

Native or Bilingual Proficiency