



Shailesh Yadav

09 Nov 1999 | Indian

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Skills

- **Analytical Skills**
U.V./Visible, I.R. and NMR spectroscopy | Thin Layer Chromatography | Column Chromatography | Gravimetric estimation
- **Software Skills**
Sci-Finder | MestReNova | Origin Pro | Microsoft Office | TopSpin | Mercury | Chemdraw
- **Technical Skills**
Inert Condition Reactions | Schlenk tube | Glove box | Julabo | Rota Vapor | Vacuum pump

Languages

- Hindi (native)
- English (fluent)
- Marathi (fluent)
- Bangla (basic)

About Me

WHY? and HOW? These two phrases have always occupied my mind as far as my scientific study is concerned. I believe being a science student one must always keep questioning things that come our way such that it helps us to grow our mind and knowledge and we could do the needful contribution to the scientific community.

Research Experience

- Dec 2023-Sept 2024
Lab Scientist at Sajjan India Limited
Working on the research of preparation of various agro chemicals, dyestuffs, intermediates, etc.
- Jun 2022-May 2023
Master's Research Project
in Prof. Dr. Mahiuddin Baidya's lab
at Indian Institute of Technology Madras, Chennai, India
 - 1) Exploring the di-functionalization of allylic olefin with two components using palladium metal.
(Manuscript in preparation)
 - 2) Exploring the Hydro-carbofunctionalization of homoallylic olefin using palladium metal via a directing group approach.
- Nov 2021-Jan 2022
Internship in Catalysis
in Dr. Anant Kapdi's lab
at Institute of Chemical Technology (ICT), Mumbai, India.
Study of Suzuki cross-coupling reactions using palladium metal on biologically active molecule 5-IDU.

Education

- Aug 2021-May 2023
Master of Science (6.25/10)
Indian Institute of Technology Madras, Chennai, India.
- Aug 2018-May 2021
Bachelor of Science (7.63/10)
K. J. Somaiya College of Science and Commerce, Mumbai, India.
- Jun 2017-Mar 2018
Secondary School (75.6%)
Maharashtra State Board, India
- Jun 2015-Mar 2016
High School (87.2%)
Maharashtra State Board, India

Publication

- **Nucleopalladation Guided Three-Component Vicinal and Geminal Dicarbonylation of Allylamines**
Chem. Sci., 2024, 15, 4890-4896

Hobbies

- Reading books
- Learning languages
- Strategic games

Conferences & Seminars

- 6-9 Oct 2022
Complex Chemical Systems (IGW-CCS 2022)
at Indian Institute of Technology Madras by
INDO-GERMAN workshop 2022 entitled 'COMPLEX CHEMICAL
SYSTEMS (IGW-CCS 2022)'
- 23-24 Aug 2022
CiHS- Chemistry In House Symposium
at Indian Institute of Technology Madras with a
Focus on the research in various areas at the Indian Institute of
Technology Madras
- 1-4 Dec 2021
Emerging infectious diseases and therapeutic strategies
at Indian Institute of Technology Madras with a
Focus on 'Emerging infectious diseases and therapeutic strategies'
organized by Indian Institute of Technology Madras
–AstraZeneca Endowment Programme.

Achievements

- Mar 2021
Secured an All India Rank-307 out of 14473 applicants in
JAM entrance examination for Master's degree from Indian
Institute of Technology.
- Mar 2021
Secured an All India Rank-1532 in GATE exam for admission into
PhD programme at Indian Institute of Technology.

Extracurricular Activities

- Aug 2021-May 2023
Class Representative
Served as a representative of 64 students during Master of
Science at Indian Institute of Technology Madras.
- Sep 2021-May 2023
MitR Coordinator
Coordinated in helping students to cope with mental strain and
stress as a MitR Coordinator.
- March 2019-May 2019
Teacher at Non-Governmental Organization (BHUMI)
Volunteered in teaching underprivileged and orphan children
at school level.

I believe my skills and motivation make me a great potential asset. I can be reached at (phone or email) if you need any other information.