

MAHESH KUDTE

Email ID: imaheshkudte@gmail.com

Mobile No: +91 9480454512
+91 8431875288

Education

Master of Science in Chemistry, Central University of Karnataka	Percentage: 66	2019-2021
▪ Specialized in General Chemistry- coursework included Organic, Inorganic, Physical and Analytical Chemistry, with Introduction to Nanoscience, Computational chemistry and Spectroscopy		
Bachelor of Science, Mangalore University	Percentage: 60	2015-2018
▪ Subjects studied Physics, Chemistry, Mathematics		
Higher Secondary Board Exam, Vivekananda PU College	Percentage: 66	2013-2015
▪ Subjects studied Physics, Chemistry, Mathematics, Biology		
Secondary School Board Exam, Bethany English Medium High School	Percentage: 68	2010-2013

Theoretical and Technical Skills

- **Chemistry Software:** Chem Draw, AutoDock4.2, Discovery studio visualizer.
- **Laboratory Devices:** UV, IR, MPLC
- **Chromatography:** Column, TLC
- **Downstream:** Purification, Analysis, and Characterization of Co-crystal.
- **Other:** Data mining and evaluation in CCDC, PDB, BLAST, Drug Bank, Zinc, PubChem databases.

Research Project

School of Chemical Sciences, Central University of Karnataka Feb 2021-June 2021
"In silico study and design of tucatinib like kinase inhibitors against kinase domain of HER2"

Guidance by Dr. Raghavaiah Pallepogu (Associate professor)

- Explored the FDA-approved and clinically used drugs for the treatment of HER2 positive breast cancer, understood their pros and cons for designing new drugs.
- Designed 30 new tucatinib like ligands, many of which showed better interaction with target protein with appreciable Binding score than the parent compound.
- Explored computational tools such as Autodock, Discovery studio visualiser, SwissADME, Ligplot+, pyrx, pymol to perform Molecular Docking.
- Prepared the Protein target and Ligands for molecular docking to study protein-ligand interactions.
- Intermediate knowledge in analysing the docking results.

Declaration

I hereby declare that the above-mentioned particulars given by me are true to the best of my knowledge and belief.

Yours Sincerely
Mahesh Kudte