

Curriculum vitae

CHANDRAKANT SATISH GHOLAP

Phone: +91-9821672139
+91-9892762139
chandrakant.gholap123@gmail.com

Objective

To work in an esteemed institution, where I can constantly learn new things, utilize my knowledge and contribute to the growth of the organization. I am looking for a good opportunity, where i want to be a member of research organisation for career growth.

Academic Achievements

- **Ph.D. (Organic Chemistry)**, Bhabha Atomic Research Centre, Mumbai. (2021)
Supervisor: Prof. (Dr.) Sunil K. Ghosh
- **M.Sc. (Organic Chemistry)**, C. H. M. College, Ulhasnagar, Thane, Maharashtra. (2013) (**72%**)
- **B.Sc. (Chemistry)**, Seth Hirachand Mutha College, Kalyan, Maharashtra, India (2011) (**65%**)
- **NET (2013 and 2014)**
- **GATE (2014)**

Awards and Scholarships

- ☐ Junior research fellowship (JRF) funded by Department of atomic energy (2014 - 2016)
- ☐ Senior research fellowship (SRF) funded by Department of atomic energy (2016 - 2019)
- ☐ Ph.D. Entrance Test (2014) - Savitribai Phule Pune University (2013)

Personal Details

Date of Birth: 18th June, 1990
Languages Known: English, Hindi and Marathi.
Gender: Male
Marital Status: Unmarried
Nationality: Indian

Correspondence

- Permanent Address: House No 13, Bhoiwada, Valipeer road, Kalyan (W.) 421301 Maharashtra (INDIA).

Research Experience

- Development of new strategies for the synthesis of important molecules which could have biological/ material applications.
- Expertise in synthesis of Fluorescent materials and their use towards metal ion sensors.
- Synthesis of pH sensitive slow release prodrugs.
- Synthesis of conformationally rigid ligands for Selective separation of radionuclides from spent nuclear fuel.
- Synthesis of Magnetic Nanoparticle for their use for photo-trigger release of anticancer drugs.

Professional Experience



- **Designation:** Assistant Manager (Jun 2021 - till date)
R & D department, Cleanschem Laboratories LLP, R-80, 2nd floor, Prama instruments, MIDC industrial area, Rabale, Navi Mumbai-400701.

Job Responsibility

- Synthesis, purification of Pharmaceutical Reference Standards. (Impurity synthesis)
- Custom synthesis of various pharmaceutical & agrochemical intermediates.
- I have performed various reactions such as Grignard reaction, Rearrangement reactions, Wittig reaction, Reduction reactions using Pd/C-H₂, LiAlH₄, NaBH₄ and various reducing agent; Protection and deprotection of amine/alcohol group.
- Handled Moisture sensitive reactions and reagents such as n-BuLi, Grignard reagent.
- Currently working on stereochemically complexed molecules such as Azithromycin, Erythromycin and Clarithromycin.
- Selecting, ordering and purchasing materials.
- Project assignment and its execution .

Technical and Software Skills

- **Instruments handled and used:** UV-visible spectrophotometer, NMR, IR, Polarimeter, HPLC, CHNS analyzer.

□ **Platforms:** Windows XP, Window 7, basic LINUX.

Relevant Scientific Skills Learnt

- Interpretation of spectral data from UV, IR and NMR etc.
- Knowledge of software's such as ISIS Draw, ChemDraw, Chem 3D, Mercury, Origin and other basic computer knowledge.
- Literature search by using, Sci-Finder, Scopus etc.

Workshop / Symposiums

- 1) Synthesis, Conformational Behaviour and Hydrolytic Stability of Oxa-bridged Dicarboxamides, **Chandrakant S. Gholap**, Surajit Panja, Mukesh Kumar and Sunil K. Ghosh, 21st International Conference on organic Synthesis, Dec, 11/12/2016, IIT Bombay, India.
- 2) Acid catalyzed hydrolysis of oxa-bridged dicarboxamides anchimerically assisted by neighbouring amide. **Chandrakant S. Gholap**, Mukesh Kumar and Sunil K. Ghosh. 21st CRSI-ACS National Symposium in Chemistry, July 14-16, 2017, ICT-Hyderabad, India.
- 3) Hydrolytically stable rationally designed diamides for extraction of trivalent actinides and lanthanides, **Chandrakant S. Gholap**, Surajit Panja, P. S. Dhami, J. S. Yadav & Sunil K. Ghosh, Emerging Trends in Separation and Technology (SESTEC-2018), May 23-26, 2018, BITS Pilani, K.K. Birla Goa, Campus, Goa, India.
- 4) Intramolecular amide assisted acid catalyzed hydrolysis of oxa-bicyclodicarboxamides, **Chandrakant S. Gholap**, Mukesh Kumar and Sunil K. Ghosh. 23rd CRSI National Symposium in Chemistry, July 13-15, 2017, IISER Bhopal, India.
- 5) Amine Dependent Conformational Preference in Anchimeric Assisted Hydrolysis of Norcantharidine Derived Dicarboxamides, **Chandrakant S. Gholap**, Rekha Singh, Mukesh Kumar and Sunil K. Ghosh. 24th CRSI National Symposium in Chemistry (CRSI-NSC-24), February 8-10, 2019, CSIR-CLRI Chennai, India.

Project experiences

- 1) Synthesis of Formazans in Omkar Speciality Chemicals Ltd. R & D centre, Badlapur as a MSc. Project.
- 2) Synthesis of conformationally constrained rigid molecules and their probable use for slow drug release", in BARC, Mumbai, sponsored by DAE Mumbai.

International Publication

- 1) **Chandrakant S. Gholap**, S. Panja, P.S. Dhami, J.S. Yadav, Sunil K. Ghosh. Supported liquid Membrane transport studies of Pu(IV) using OTDA, a novel diamide. *J Environ Chem Eng*, **2019**, 7, 102784.
- 2) **Chandrakant S. Gholap**, Rekha Singh, Mukesh Kumar Dilip K. Maity and Sunil K. Ghosh. Dual Demeanour of Norcantharidin Derived Dicarboxamides in Acidic Media: An Insight. *Tetrahedron*, **2019**, 75, 130458. (Abstract is selected for cover page)
- 3) **Chandrakant S. Gholap**, S. Panja, S. Manohar, C. P. Kaushik, S. K. Ghosh. Hydrolytically stable conformationally constrained diamide for 'Actinide Partitioning, (manuscript under preparation).

Declaration:

I solemnly declare that the above information is true and correct to the best of my knowledge.

Academic referees:

Prof. (Dr.) Sunil K. Ghosh,
Former Associate Director,
Head, Food Technology Division
and Head, Drug Development
Section, Bio-Organic Division,
Bhabha Atomic Research Centre,
Mumbai, India - 400085.
Contact no: 9892553193
Email: ghsunil60@gmail.com

Dr. Mukesh Kumar,
Scientific Officer (H),
RB & HSD Division,
Bhabha Atomic Research Centre,
Mumbai, India - 400085.
Contact no: 02225594060
Email: mukeshk@barc.gov.in

Prof. (Dr.) Dilip K. Maity,
Associate Dean, HBNI
Scientific officer (H)
Homi Bhabha National Institute,
Bhabha Atomic Research Centre,
Mumbai, India - 400085.
Contact no: 02225597623
Email: dkmaity@barc.gov.in

Dr. Raghunath Chowdhury,
Scientific Officer (E),
Bio-Oranic Division,
Bhabha Atomic Research Centre,
Mumbai, India - 400085.
Contact no: 02225595012/0308
Email: raghuc@barc.gov.in