CURRICULUM VITAE

Daggupati Venkata Ramana

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Google Scholar Citation Profile: https://scholar.google.com/citations?user=4YYF_ksAAAAJ

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OBJECTIVE

Currently, I am looking for a challenging position in synthetic organic chemistry or medicinal chemistry to broaden my interest on research in your premier organization.

EXPERIENCE

- 1 year 3 months of CRO experience as Senior Research Associate in **GVK Biosciences Pvt. Ltd**, Hyderabad. (31st Oct, 2018-31st Jan, 2020).
- 5 years of research training at **CSIR-Indian Institute of Chemical Technology** (Ph. D program, Sep 2013-Sep 2018), Hyderabad, India.

AREA OF EXPOSURE AND INTEREST

- Process R & D and CRO

EDUCATION & QUALIFICATIONS

- **Ph.D**: (2013-2019) in Organic Chemistry, CSIR-Indian Institute of Chemical Technology, Hyderabad, Telangana, India. Thesis title: "**Cu(I)-Catalyzed C(sp^3)-H Functionalizations for the Construction of C-C, C-N and C-O Bonds under Aerobic Conditions**".
- **M.Sc**: (2010-2012) (First division) in Analytical Chemistry, Sri Krishnadevaraya University, Andhra Pradesh, India.
- **B.Sc**: (2007-2010) (First division) with Specialization in Mathematics, Physics, Chemistry in Acharya Nagarjuna University, Andhra Pradesh, India.

AWARDS & FELLOWSHIPS

- Qualified as **Junior Research Fellow (UGC)** through CSIR-UGC (NET) in Dec-2012, a National level exam conducted by **Council of Scientific and Industrial Research (CSIR)**, **Govt. of India.**
- **Senior Research Fellow** (Sep 2015-Sep 2018) **by University Grants Commission (UGC), Govt. of India.**

PROFESSIONAL COMPETENCE

- Development of novel synthetic methodologies as tools in multi and single step organic synthesis.
- Purification of compounds in small and large amounts.
- Interpretation of the structure of organic compounds using ^{1}H NMR, ^{13}C NMR, 2D-NMR, IR, Mass spectroscopic data and 2D-NOESY, COSY experiments.
- Chromatography: Experienced in flash chromatography, preparative HPLC and TLC using various column packing, GC and LC-MS.
- Excellent team worker, skilled in synthesis of mg-Kg Scale.
- Able to identify problems and resolve them independently.
- Capable of both collaborative and independent research.
- Working knowledge in chemical databases and basics in computers.
- Other Relevant Experience: preparation of research reports and manuscripts.
- Strong knowledge of chemistry software-MS-Office, ISIS draw, Origin-8.5, MAT-LAB, Chem-Draw 12, NMR software (mestrec) and ACD labs.
- Good group maintenance skills, trained and worked with 3 master level students for their one year dissertation projects.

LIST OF PUBLICATIONS

1. Copper-catalyzed double Friedel-Crafts alkylation of tetrahydroquinolines under aqueous condition: Efficient synthesis of gem-diarylacetic esters. **Daggupati V. Ramana**, Karu Sudheer Kumar, Ealeswarapu Srujana and Malapaka Chandrasekharam*, *Eur. J. Org. Chem.*, **2019**, 742-745.
2. Copper-Catalyzed Direct Oxidative α-Functionalization of Tetrahydroquinoline in Water under Mild conditions. **Venkata Ramana Daggupati** and Malapaka Chandrasekharam*, *Adv. Syn. & Catal.*, **2018**, 360, 4080-4083.

3. Cu(I)-Catalyzed Amidation/Imidation of N-Arylglycine Ester Derivatives via C-N Coupling under Mild conditions. **Ramana V. Daggupati** and Chandrasekharam Malapaka*, *Org. Chem. Front.*, **2018**, *5*, 788-792.
4. Copper (I) Catalyzed sp^3 C-H Arylation of N-Arylglycine Ester Derivatives under Aerobic Conditions. **Daggupati V. Ramana**, L. Raju Chowhan and Malapaka Chandrasekharam*, *ChemistrySelect*, **2017**, *2*, 2241-2244.
5. Hydrophobically Directed, Catalyst-free, Multicomponent Synthesis of Functionalized 3,4-Dihydroquinazolin-2(1H)-ones. **Daggupati V. Ramana**, B. Vinayak, V. Dileepkumar, U. S. N. Murty, L. Raju Chowhan and M. Chandrasekharam*, *RSC Adv.*, **2016**, *6*, 21789-21794.
6. Copper-catalyzed Regio- and Diastereo- selective Three component C-N, C-C and C-O bond forming reaction: Oxidative sp^3 C-H functionalization. Kankatala S. V. Gupta,[#] **Daggupati V. Ramana**,[#] Botla Vinayak, Balasubramanian Sridhar and Malapaka Chandrasekharam*, *New J. Chem.*, **2016**, *40*, 6389-6395. (# = Equal contribution)
7. Iron-Mediated Direct Ortho- Nitration of Anilides andAromatic Sulfonamides under Aerobic Oxidation Conditions. Vinayak Botla, **Daggupati V. Ramana**, Barreddi Chiranjeevi and Malapaka Chandrasekharam*, *ChemistrySelect*, **2016**, *1*, 3974-3978.
8. Base-oxidant Promoted Metal-free N-Demethylation of Arylamines. Vinayak Botla, Chiranjeevi Barreddi, **Ramana V Daggupati** and Chandrasekharam Malapaka∗, *J. Chem. Sci.* **2016**, *128*, 1469-1473.
9. Revisiting 1-chloro-1,2-benziodoxol-3-one: Efficient *ortho*-Chlorination of Aryls under Aqueous Conditions. Botla Vinayak, Pardhi Vishal Ravindrakumar, **Daggupati V. Ramana** and Malapaka Chandrasekharam*, *New J. Chem.*, **2018**, *42*, 8953-8959.

PARTICIPATED IN CONFERENCES

- International Conference on **"Sustainable Chemistry for Health, Environment and Materials (SUCHEM-2018)"**, 5-8th August, 2018 at CSIR-Indian Institute of Chemical Technology, Hyderabad, India.
- **21st International Conference on Organic Synthesis (ICOS 21)**, 11-16th December, 2016 held at Indian Institute of Technology (IIT-M), Mumbai, India.

- International Conference on **"Nature Inspired Initiatives in Chemical Trends (NIICT-2016)",** 19-20th September, 2016 held at Indian Institute of Chemical Technology, Hyderabad, India.
- **"International Congress on Recent Advances in Chemistry and Chemical Engineering (ICRACACE-16)"**, 11-13th July, 2016 held at Jawaharlal Nehru Technological University, Hyderabad, India.
- 17th National Workshop on **"Challenges in Catalysis Science and Technology (CCST-2016)",** 23-25th June, 2016 held at Indian Institute of Chemical Technology, Hyderabad, India.

PERSONAL BIODATA

Male, Married, Indian, DOB June 25th, 1989.

REFERENCES

1) Dr. M. Chandrasekharam

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Declaration

I hereby declare that, to the best of my knowledge and belief, the particular given above and the declaration made therein are true.

Daggupati Venkata Ramana