CURRICULUM VITAE

Ravinder Dharavath
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Career Objective:

I am seeking a challenging position in an outstanding organization offering career opportunities. My knowledge and skills could contribute to developing my professional skills and help organization enrichment.

Educational Background:

- Pursuing **Doctor of Philosophy** in 2017-2022 from Osmania University. (Thesis submitted to Osmania University on 12th March, 2022)
- Master of Science **(Org. Chemistry)** in 2009-11 from Sardar Patel College, OU, Secunderabad with 70%.
- Bachelor of Science **(Botany, Zoology, Chemistry)** in 2006-08 from Sri Laxmi Narsimha Swamy College, OU, Bhongir with 64%.
- Board of Intermediate Education with **(Biology, Physics, Chemistry)** from Geetanjali Jr. College, Bhongir in 2003-05 with 80%.
- Secondary School Education **(S.S.C)** in 2003 from Govt. High School (B.M) Bhongir with 79%.
- P.G. Diploma in English Language Teaching **(PGELT)** in 2017 from PGRRCDE, Osmania University, Hyderabad.

Research Experience:

- Worked as a **Senior Research Fellow** (CSIR-SRF) in Osmania University under from 1st Aug, 2019 to 31st July, 2022.
- Worked as a **Junior Research Fellow** (CSIR-JRF) from 3rd July, 2017 - 31st July, 2019

As a chemistry scholar, I have designed and synthesized different organic reactions performed in conventional and microwave reactions. Developed protocols for the synthesis of flavonoid compounds. Efficient in the purification of crude compounds through column chromatography re-crystallization, determination of melting points. Performed structural establishment based on MestRe-C, Mestrenova, and Origin software tools. Further, familiar with writing scientific journals.

Books & Publications:

1. Authored a book, "**A textbook of Medicinal Chemistry,"** for B. Sc students with **ISBN No. 978-93-87896-15-4**. **Ravinder Dharavath** and N. Nagaraju.
2. Microwave-assisted synthesis of 4-Methyl-3-arylpyrano[2,3-f]chromen-2(8*H*)-one derivatives, evaluation of antiproliferative and antimicrobial activities. **Ravinder Dharavath**, M. Sarasija, M. Ram Reddy, Nalaparaju Nagaraju, Katta Ramakrishna and D. Ashok. *Journal of Heterocyclic Chemistry*. (2020), *57*(11), 3943-3950. **https://doi.org/10.1002/jhet.4103**
3. Microwave-assisted synthesis, biological evaluation and molecular docking studies of new coumarin-based 1,2,3-triazoles. **Ravinder Dharavath**, Nalaparaju Nagaraju, M. Ram Reddy, D. Ashok, M. Sarasija, M. Vijjulatha, Vani T, K. Jyothi, and G. Prashanthi. *RSC Advances* (**2020**), 10(20), 11615-11623. **DOI: 10.1039/d0ra01052a**
4. Microwave-Assisted Synthesis and Evaluation of their Antiproliferative, Antimicrobial, activities and DNA Binding studies of (3-Methyl-7*H*-furo[2,3-f]chromen-2-yl)(aryl)methanones. **Ravinder Dharavath[1]**, M. Sarasija[2], M. Ram Reddy[1], K. Naga Prathima[1], N. Nagarju[1], K. Ramakrishna[1], D. Ashok[1]* and Sreenu Daravath[3] *Medicinal Chemistry Research*, **(2022)**, 39, 993-1002.
5. Green synthesis of (6-((1-(4-aminophenyl)-1*H*-1,2,3-triazol-4-yl)methoxy)substituted benzofuran-2-yl)(phenyl)methanones, evaluation of their in vitro anticancer, antimicrobial activities and molecular docking on COVID-19. **Ravinder Dharavath[1]**, M. Sarasija[2], K. Naga Prathima[1], M. Ram Reddy[1], T. Vishnu[3], D. Ashok[1]* *Journal of Molecular Structure* (Under Review)

Co-Author Publications

6. Synthesis of spiro chromanone sandwiched 15, 16, 18 membered (Z)-dioxo cycloalkenes by ring closing metathesis and homodimers of 8-allyl-7-((6-bromoalkyl) oxy) spirochroman-4-ones by cross metathesis. K. Prathima, D. Ashok, M. Sarasija, Ravinder Dharavath, U. K. Utkoor, V. V. S. Lakshmi, S. K. Ganji, and P. Sripadi,. *Synthetic Communications*. **(2022)**, 52(5), 745-754. **https://doi.org/10.1080/00397911.2022.2050757z**
7. Synthesis and biological evaluation of novel 2-arylqulinoline-3-fusedthiazolo[2,3c]1,2,4-triazole heterocycles as potential anticancer and antimicrobial agents Dhanavath Ramulu,[a] **Ravinder Dharavath,**[b] Krishnam Raju[a*] *Journal Heterocyclic Chemistry*, **(2022)**, 59(7), 1198-1212. **https://doi.org/10.1002/jhet.4460**
8. Microwave-Assisted Synthesis of *N*-Substituted Acridine-1,8-dione Derivatives: Evaluation of Antimicrobial Activity. S. Anil kumar[a], M. Sarasija[b], **Ravinder Dharavath[a]**, Nalaparaju Nagaraju[a], Katta Ramakrishna[a], Srinivas Gundu[a], Vishnu Thumma[c], B. Prashanth[d], and D. Ashok[a*] *Journal Heterocyclic Chemistry***.** **(2022)**, 59(7), 1198-1212. **https://doi.org/10.1002/jhet.4460**
9. A new library of 1,2,3-triazole based Benzofuran scaffolds: Design, Synthesis, and Biological Evaluation as Potential Antimicrobial Agents D Ashok*[a], M Ram Reddy[a], Golgotha Thara[a], **Ravinder Dharavath,** Katta Ramakrishna[a], Nalaparaju Nagaraju[a], Srinivas Gundu[a], M Sarasija[c] *Journal of Heterocyclic Chemistry.* **(2022)**, 59(8), 1-9. **https://doi.org/10.1002/jhet.4477**
10. One-pot three-component condensation for the synthesis 2,4,6-triarylpyridines and evaluation of their antimicrobial activity. D. Ashok, M. Ram Reddy, Ravinder Dharavath, Nalaparaju Nagarju, Katta Ramakrishna, Srinivas Gundu and M. Sarasija, *Journal of Chemical Sciences*, **(2021)**, 133(1), 1-8, **https://doi.org/10.1007/s12039-021-01883-9**
11. Microwave-assisted synthesis of Substituted 2-(2*H*-Chrome-3yl)5-phenyl-1*H*-imidazole based Coumarin Derivatives and their Antimicrobial Activity. D. Ashok, K. Ramakrishna, N. Nagaraju, M. Ramreddy, **Ravinder Dharavath,** and M. Sarasija. *Russian Journal of General Chemistry,* **(2021)**, 91(4), 711-716. **https://doi.org/10.1134/S1070363221040216**
12. Microwave-assisted synthesis of some new 1,2,3-triazole derivatives and their antimicrobial activity. D. Ashok, M. Ram Reddy, **Ravinder Dharavath,** K. Ramakrishna, N. Nagaraju, M. Sarasija, *Journal of Chemical Sciences*, **(2020),** *132*(1), 1-9. **doi.org/10.1007/s12039-020-1748-9**
13. Iodine mediated synthesis of some new imidazo[1,2-a] pyridine derivatives and evaluation of their antimicrobial activity. D. Ashok, M. Ram Reddy, K. Ramakrishna, N. Nagaraju, **Ravinder Dharavath,** M. Sarasija, *Journal of Heterocyclic Chemistry*. (**2020),** 57(6), 1–7. **doi.org/10.1002/jhet.3967**

14. Microwave-assisted synthesis and in vitro antiproliferative activity of some novel 1,2,3-triazole-based pyrazole aldehydes and their benzimidazole derivatives. D. Ashok, M. Ram Reddy, N. Nagaraju, **Ravinder Dharavath,** K. Ramakrishna, Srinivas Gundu, P Shravani, and M. Sarasija. *Medicinal Chemistry Research*, **(2020)**, *29*(4), 699-706. **doi.org/10.1007/s00044-020-02515-6**
15. Microwave-assisted synthesis of tetrazole-based biphenyls derivatives and their antimicrobial activity. D. Ashok, N. Nagaraju, M. Ramreddy, **Ravinder Dharavath,** K. Ramakrishna1 and M. Sarasija. *Rasayan Journal of Chemistry,* **(2020),** 13(1), 601-609. **dx.doi.org/10.31788/RJC.2020.1315490**

Achievements:

- Won **Young Scientist Award** for the best oral presentation in the Organic chemistry section in the 40th Indian Council of Chemists annual conference held at Satavahana University, Karimnagar, on 29-30th Dec 2021.
- I got **Dr. V.K Sharma's award** for the best oral presentation in the Pharmaceutical and Biochemistry Section in the 38th Indian Council of chemist's Annual conference held at Jaipur National University, Jaipur on 26-28 Dec 2019.gra
- I got selected for the INST outreach program sponsored by **DST, India**. Winter School on Nano, 2019 "Advanced Techniques in Nano Science & Technology" at INST, Mohali, India.
- I was awarded Junior Research Fellowship **(CSIR-JRF)** with 151st rank conducted by CSIR, New Delhi, in Dec 2016.
- Got qualified in National Eligibility Test **(CSIR-NET)** with 59th rank conducted by CSIR, New Delhi, in Dec 2014.
- Got qualified in Andhra Pradesh State Eligibility Test **(APSET)** conducted by Osmania University, Hyderabad, in 2012.

Seminars & Workshops:

- Poster presentation on **Green synthesis and biological evaluation of 1,2,3-triazole based coumarins** in two day international seminar on Current Trends and Futuristic Challenges in Chemical Sciences at Osmania University, Hyderabad on 29, 30th July, 2022.
- Oral presentation on **In silico screening of Covid-19 and Synthesis of (6-((1-(4-aminophenyl)-1*H*-1,2,3-triazol-4-yl)methoxy)substiyutedbenzofuran-2-yl)(aryl)methanones using green synthetic protocols towards screening of their *in vitro* anticancer, antimicrobial activities** in 40th Indian Council of Chemists annual conference held at Satavahana University, Karimnagar, on 29-30th Dec 2021.
- Oral presentation on "**A green Synthetic Approach and Evaluation of Antiproliferative, Antimicrobial activities of Pyranocoumarins**" in Futuristic Dimensions & Innovative Trends in Chemical Sciences, an Internationale-conference conducted by IPS academy, Indore, on 6th & 7th Nov 2020.
- Poster presentation on **Synthesis, Molecular Docking studies and biological evaluation of some novel coumarin motifs** in an international conference (MSSA 2020) held at Osmania University, Hyderabad in 20th -22nd Jan 2020.
- Oral presentation on **Synthesis of coumarin motifs and their anti-inflammatory and antioxidant activities in the** 38th INDIAN COUNCIL OF CHEMIST conference held at Jaipur National University, Jaipur, Rajasthan on 26th-28 Dec 2019.
- Given Poster presentation on **Microwave-Assisted Synthesis of New Flavonoid Derivatives and Their Microbial activity** in the National conference Advances in Chemical Research (ACR-19) held at Kakatiya University, Warangal on 29th & 30th March 2019.
- Poster presentation on **Synthesis of Novel Flavonoid derivatives, Evaluation of their anticancer activity** in 37th INDIAN COUNCIL OF CHEMIST conference held at NITK, Surathkal, Karnataka, in 12th -14th Dec 2018.
- Oral presentation on **Synthesis, Characterization and Cytotoxic Activity of Some Novel Coumarin Scaffolds** in an International Conference held at Palamuru University, Mahboob Nagar, TS in 7th-9th Aug 2018.
- Poster presentation on **Microwave-Assisted Synthesis of Flavonoid derivatives, UV-Vis absorption, Fluorescent Studies Towards Antimicrobial Activity** at the National Conference held at Kakatiya University, Warangal, TS in April 2018.
- Participated in DST, India sponsored workshop on **Advanced Techniques in Nano & Technology** at INST, Mohali on 2nd – 07th Dec 2019.
- Participated in workshop on **Teaching Pedagogy for PG teachers in Chemistry** conducted by Osmania University, Hyderabad 18th -20th March 2019.

- Participated in workshop on **Molecular Docking – Applications in Drug Discovery** conducted by R.B.V.R.R Women's College, Hyderabad on 24th & 25th Jan 2019.

Strengths:

- As a person, I was inspired by my teachers and always looked forward to a challenging career.
- I am an optimistic and self-motivated person with excellent managing and communication skills.
- I strongly believe in my conscience and am confident in whatever I do.
- I am having patience and also adaptive to new environments.

Personal Information:

Name	: Ravinder Dharavath
Father's Name	: Sri Pandu
Sex	: Male
DOB	: 02 Jan 1988
Marital Status	: Married
Nationality & Religion	: Indian, Hindu
Languages Known	: Telugu, English, Hindi, and Marathi
Hobbies	: Reading books, playing Chess & Cricket.
Permanent Address	: H No- 1-146
	Village- MeetiThanda, Post- Bollepally,
	Mandal- Bhongir, 508116
	Dist- Yadadri-Bhongir, T.S

Declaration

I, at this moment, declare that the information furnished above is accurate to the best of my knowledge.

Date:

Place: (**Ravinder Dharavath)**