

## RESUME

**Dr. Ravinder Dharavath**

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### **Career Objective:**

Highly motivated, inspired and fascinated towards teaching and research. Serving as an Asst. Professor at **Hemvathi Nandan Bahuguna Garhwal University (SRT Campus)**. My knowledge and skills could contribute to developing my professional skills and help in University enrichment.

### **Educational Background:**

- **Ph. D** in Organic Chemistry from Osmania University, Hyderabad in Aug, 2022.  
Research Supervisor: **Prof. D. Ashok** at Professor at Chemistry, Osmania University, Hyderabad.
- **M. Sc.** (Org. Chemistry) from Sardar Patel College, OU, Secunderabad in 2011 with 70%.
- **B. Sc.** (B.Z.C) from Sri Laxmi Narsimha Swamy College, OU, Bhongir in 2008 with 64%.
- **Intermediate** with (Bi.P.C) from Githanjali Jr. College, Bhongir in 2005 with 80%.
- **S.S.C** in 2003 from Govt. High School (B.M), Bhongir in 2003 with 79%.

### **Present Position**

Working as an Assistant Professor of Chemistry, at the Department of Chemistry, in **Hemvathi Nandan Bahuguna Garhwal (A Central University), (SRT Campus)** Tehri, Uttarakhand from 18<sup>th</sup> Nov, 2022.

### **Research Experience:**

- Working as a **Senior Research Fellow (CSIR-SRF)** in Green & Medicinal Chemistry Lab, Dept. of Chemistry, Osmania University, and Hyderabad from 1<sup>st</sup> August 2019 till the 31<sup>st</sup> July 2022.
- Worked as a **Junior Research Fellow (CSIR-JRF)** from 3<sup>rd</sup> July 2017 - 31<sup>st</sup> July 2019 in Green & Medicinal Chemistry Lab, Dept. of Chemistry, Osmania University, and Hyderabad.

### **Teaching Experience:**

My teaching experience includes course work of M.Sc., B.Sc. Organic Chemistry, General Chemistry, and the development of curriculum, conducting practical's, and evaluating papers.

- Given guest lecture on **Spectroscopic techniques and their applications** at Aurora Technological and Research Institute (**ATRI**) for engineering students on 26<sup>th</sup> Nov 2018.
- Worked for **Sardar Patel (SP) College**, OU, Secunderabad as an Assistant professor at chemistry from 28<sup>th</sup> Aug 2012 to 30<sup>th</sup> June 2017.
- Given guest lectures on **Mass Spectrometry** and **UV-VIS Spectroscopy** at Andhra Mahila Sabha (**AMS**) Women's College (OU campus) for UG & PG during 2012-16 in various spells.
- Worked for **Aurora's Degree and PG College**, OU, Chikkadpally as an assistant professor at chemistry from October, 2011 - Aug 2012.

### **Profile Summary:**

- Ph. D (Thesis entitled "***Green synthesis of Novel flavonoid compounds and evaluation of their antimicrobial and anticancer activities***" in synthetic organic chemistry, offering rich experience in conducting high-quality scientific research assignments such as synthesis of organic heterocyclic molecule use full for biological applications and analysis of organic molecule.
- Strong skills and a proven track record in synthetic organic chemistry, compound purification and structural characterization by NMR, MASS, IR and UV.
- Skilled in planning and organizing day-to-day research activities and resolving procedural problems as appropriate to the timely completion of research objectives.
- Profound literature search skills, ability to design & improve synthetic routes to support studies and deliver large-scale compounds.
- Scale of handling the synthesis from 30 mg to 100 gr.
- Trained in handling moisture, light-sensitive reactions and drying of organic solvents.
- Highly motivated, creative and able to maintain excellent documentation of the experimental work.
- Possess oral and written communication skills in English and a strong work ethic.

### **Books & Publications:**

1. Authored a book, "A textbook of Medicinal Chemistry" for B. Sc. **Ravinder Dharavath** and N. Nagaraju. [ISBN No. 978-93-87896-15-4](#)
2. 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. <https://doi: 10.1039/d0ra01052a> **Impact Factor - 4.036**
3. Microwave-assisted synthesis of 4-Methyl-3-arylpyrano[2,3-f]chromen-2(8H)-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> **Impact Factor -2.035**
4. Microwave-Assisted Synthesis and Evaluation of their Antiproliferative, Antimicrobial, activities and DNA Binding studies of (3-Methyl-7H-furo[2,3-f]chromen-2-yl)(aryl)methanones. **Ravinder Dharavath**, M. Sarasija, M. Ram Reddy, K. Naga Prathima, N. Nagarju, K. Ramakrishna, D. Ashok\* and Sreenu Daravath. *Medicinal Chemistry Research*. (2022), 31(5), 993–1002. <https://doi.org/10.1007/s00044-022-02888-w> **Impact Factor-2.351**
5. Microwave-Assisted Synthesis of (6-((1-(4-Aminophenyl)-1H-1,2,3-Triazol-4-yl)methoxy)substituted Benzofuran-2-yl)(phenyl)methanones, Evaluation of in vitro Anticancer, Antimicrobial activities and Molecular Docking on COVID-19. **Ravinder Dharavath**, M. Sarasija,\* K. N. Prathima, M. Ram Reddy, Shyam Panga, Vishnu Thumma and D. Ashok\* *Results in Chemistry*. 2022, 4, 100628. <https://doi.org/10.1016/j.rechem.2022.100628> **Impact Factor-1.2**

### Co-Author Publications:

6. Microwave-assisted synthesis, molecular docking studies of 1, 2, 3-triazole-based carbazole derivatives as antimicrobial, antioxidant and anticancer agents. Ashok D, Thara G, Kumar BK, Srinivas G, **Ravinder Dharavath**, Vishnu T, Sarasija M, Sushmitha B... *RSC advances*, **2023**, 13(1), 25-40. <https://10.1039/D2RA05960F> **Impact Factor -4.036**
7. Synthesis of 1, 2, 3-Triazole-Containing 2, 3-Dihydrofuran Derivatives, Evaluation of Anticancer Activity and Molecular Docking Studies. Sabhavath, Anil Kumar, Sarasija Madderla, **Ravinder Dharavath**, Vishnu Thumma, Gugulothu Thara, Srinivas Gundu, and Ashok Dongamanti. *ChemistrySelect* 7(48), 2022, e202203847. <https://doi.org/10.1002/slct.202203847> **Impact Factor -2.307**
8. 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> **Impact Factor-1.937**
9. Synthesis and biological evaluation of novel 2-arylquinoline-3-fusedthiazolo[2,3c]1,2,4-triazole heterocycles as potential anticancer and antimicrobial agents Dhanavath, Ramulu, **Ravinder Dharavath**, Devender Kothula, Sampath Bitla, Gugulothu Yaku, Saritha Birdaraju, Muralidhar Reddy Puchakayala, and Krishnam Raju Atcha. *Journal Heterocyclic Chemistry*, 59(7), **2022**, 1198-1212. <https://doi.org/10.1002/jhet.4460> **Impact Factor -2.035**
10. Microwave-Assisted Synthesis of N-Substituted Acridine-1,8-dione Derivatives: Evaluation of Antimicrobial Activity. S. Anil kumar, M. Sarasija, **Ravinder Dharavath**, Nalaparaju Nagaraju, Katta Ramakrishna, Srinivas Gundu, Vishnu Thumma, B. Prashanth, and D. Ashok *Journal of Heterocyclic Chemistry*, **2022**, 59(7), 1180-1190. <https://doi.org/10.1002/jhet.4458> **Impact Factor -2.035**
11. A new library of 1,2,3-triazole based Benzofuran scaffolds: Design, Synthesis, and Biological Evaluation as Potential Antimicrobial Agents. D. Ashok, M. Ram Reddy, Golgotha Thara, **Ravinder Dharavath**, Katta Ramakrishna, Nalaparaju Nagaraju, Srinivas Gundu, M Sarasija *Journal of Heterocyclic Chemistry*, **2022**, 59(8), 1-9. <https://doi.org/10.1002/jhet.4477> **Impact Factor -2.035**
12. 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. <https://doi.org/10.1002/jhet.3967> **Impact Factor -2.035**
13. 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.

<https://doi.org/10.1007/s00044-020-02515-6> **Impact Factor-2.351**

14. 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. <https://doi.org/10.1007/s12039-020-1748-9> **Impact Factor-2.150**
15. 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> **Impact Factor-2.150**
17. Microwave Assisted Synthesis of Flavonoid Based 1, 2, 3-Triazole and Isoxazole Derivatives, Their Antibacterial, Antioxidant, and Anticancer Activities. Ashok, Dongamanti, Gugulothu Thara, **Ravinder Dharavath**, Bhukya Kirankumar, Madderla Sarasija, and Bhukya Bhima. *Russian Journal of General Chemistry* (2022), 92(4), 718-724. <https://doi.org/10.1134/S1070363222040132> **Impact Factor-0.790**
18. Microwave-Assisted Synthesis of Substituted 2-(2H-Chromen-3-yl)-5-phenyl-1H-imidazole Based Coumarin Derivatives and Their Antimicrobial Activity. Ashok, D., Katta Ramakrishna, Nalaparaju Nagaraju, M. Ram Reddy, **Ravinder Dharavath**, and M. Sarasija. *Russian Journal of General Chemistry* 91(4), 2021, 711-716. <https://doi.org/10.1134/S1070363221040216> **Impact Factor-0.790**
19. Microwave-Assisted Synthesis of Quinazolines Linked with 1, 8-Naphthalimide, Chromene Derivatives and their Antimicrobial Activity. Ashok, D., Katta Ramakrishna, Nalaparaju Nagaraju, **Ravinder Dharavath**, M. Ram Reddy, and M. Sarasija. *Indian Journal of Heterocyclic Chemistry*, 2021, 31(2), 183-189. **DocID:** <https://connectjournals.com/01951.2021.31.18>
20. Microwave-Assisted Synthesis of Tetrazole Based Biphenyls Derivatives and Their Antimicrobial Activity. *Rasayan Journal of Chemistry* Ashok, D., Nalaparaju Nagaraju, M. Ram Reddy, **Ravinder Dharavath**, K. Ramakrishna, and M. Sarasija. 2020, 13(1), 601-609. <http://dx.doi.org/10.31788/RJC.2020.1315490>
21. A Novel Method for Synthesis and their Antimicrobial Activity of 1H-Tetrazole Based Flavones and Flavanone Derivatives under Ultrasonic and Microwave Irradiation Methods. D. Ashok,\* N. Nagaraju, **Ravinder Dharavath**, M. Ram Reddy, K. Ramakrishna and M. Sarasija. *Asian Journal of Chemistry*, 2019, 31(7), 1495-1500. <https://doi.org/10.14233/ajchem.2019.21925>

22. Microwave-Assisted Synthesis of 2-(5-(5-(4-Substituted phenyl)-2-(5-methoxy-2*H*-chromen-3-yl)-1*H*-imidazol-1-yl)alkyl)-1*H*-benzo[de]isoquinoline-1,3(2*H*)-dione Derivatives and their Antimicrobial Activity. D. Ashok,\* K. Ramakrishna Nalaparaju Nagaraju, **Ravinder Dharavath**, M. Ram Reddy, and M. Sarasija. *Asian Journal of Chemistry*, 2020, 32(4), 839-844. <https://doi.org/10.14233/ajchem.2020.22445>
23. Microwave assisted synthesis of substituted (E)-{3-[2-(1,3-Diphenyl-1-*H*-Pyrazol-4-yl)Vinyl]Benzofuran-2-yl}(Phenyl)Methanone and their antimicrobial activity. Asok D, Nagaraju N, Ram Reddy M, **Ravinder Dharavath**, Ramakrishna K, and Sarasija M. *Research Journal of Chemistry and Environment*, 2021, 25(5), 144-150.

### **Achievements:**

- Won **Young Scientist Award** for the best oral presentation in the Organic chemistry section in the 40<sup>th</sup> Indian Council of Chemists annual conference held at Satavahana University, Karimnagar, on 29-30<sup>th</sup> Dec 2021.
- I got **Dr. V.K Sharma's award** for the best oral presentation in the Pharmaceutical and Biochemistry Section in the 38<sup>th</sup> Indian Council of chemist's Annual conference held at Jaipur National University, Jaipur on 26-28 Dec 2019.
- 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.
- Awarded Senior Research Fellowship (**CSIR-SRF**) by CSIR, New Delhi in July, 2019.
- Awarded Junior Research Fellowship (**CSIR-JRF**) with 151<sup>st</sup> rank conducted by CSIR, New Delhi, in Dec 2016.
- Got qualified in The Graduate Aptitude Test in Engineering (**GATE**) **2021** with 289 score.
- Got qualified in National Eligibility Test (**CSIR-NET**) with 59<sup>th</sup> 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:

- Participated in DST sponsored one-week hands-on training programme STUTI-2021 at NIT Warangal from 4<sup>th</sup> April 2022- 10<sup>th</sup> April 2022.
- Oral presentation on **In silico screening of Covid-19 and Synthesis of (6-((1-(4-aminophenyl)-1H-1,2,3-triazol-4-yl)methoxy)substitutedbenzofuran-2-yl)(aryl)methanones using green synthetic protocols towards screening of their *in vitro* anticancer, antimicrobial activities** in 40<sup>th</sup> Indian Council of Chemists annual conference held at Satavahana University, Karimnagar, on 29-30<sup>th</sup> 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 6<sup>th</sup> & 7<sup>th</sup> 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 20<sup>th</sup> -22<sup>nd</sup> Jan 2020.
- Oral presentation on **Synthesis of coumarin motifs and their anti-inflammatory and antioxidant activities in the 38<sup>th</sup> INDIAN COUNCIL OF CHEMIST** conference held at Jaipur National University, Jaipur, Rajasthan on 26<sup>th</sup>-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 29<sup>th</sup> & 30<sup>th</sup> March 2019.
- Poster presentation on **Synthesis of Novel Flavonoid derivatives, Evaluation of their anticancer activity** in 37<sup>th</sup> INDIAN COUNCIL OF CHEMIST conference held at NITK, Surathkal, Karnataka, in 12<sup>th</sup> -14<sup>th</sup> 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 7<sup>th</sup>-9<sup>th</sup> 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 2<sup>nd</sup> – 07<sup>th</sup> Dec 2019.
- Participated in workshop on **Teaching Pedagogy for PG teachers in Chemistry** conducted by Osmania University, Hyderabad 18<sup>th</sup> -20<sup>th</sup> March 2019.
- Participated in workshop on **Molecular Docking – Applications in Drug Discovery** conducted by R.B.V.R.R Women’s College, Hyderabad on 24<sup>th</sup> & 25<sup>th</sup> 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 : Dr. 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,  
Vil- Meeti Thanda (RNT), Post- Bollepally,  
Mondal- Bhongir, Dist-Yadadri-Bhongir, Telangana  
Pincode: 508285

**Declaration**

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

Date:

Place: Tehri, Uttarakhand

**(Dr. Ravinder Dharavath)**