

RESUME

Dr.Sarakula Prasanthi

D/o Dr. S. Maharadhi Karna

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OBJECTIVE

To get a good job in an esteemed organization and to attain a challenging position which offers an unrestrained vertical growth ensuring credible performance which lead to the reputation on to a high pedestal.

EDUCATION

- **Ph.D. in Organic Chemistry (July, 2011 - Dec, 2016)**
 - Andhra University, Visakhapatnam, India.
 - **Research supervisor:** Dr. V. Siddaiah, Senior Assistant professor, Department of Organic Chemistry & FDW, Andhra University, Visakhapatnam, India.
 - **Thesis title:** *Synthesis of 6-C-Methylated Homoisoflavonoids and Development of New Synthetic Methodologies.*

- **APSET Chemistry (2016).**
- **M. Sc. (Organic Chemistry) 2008-2010 (7.76 CGPA)**
 - Andhra University (Campus), Visakhapatnam, Andhra Pradesh, India.
 - (Distinction with first class)

- **B. Sc. (Chemistry, Physics, Mathematics) 2004-2007 (68 %) (CBSE)**
 - (First Division)
 - Dr.S. R. K. Govt. Arts Degree College, Pondicherry Central University, Puducherry, India.

➤ **Intermediate Bi.P.C (English,French,Botany,Zoology,Physics,Chemistry) 2002-2004 (77.5%)**

- (Distinction with first class)
- Regency Jr. College, Yanam. Board of Intermediate Education, A.P.

➤ **Secondary School Education (English,Telugu,Socialstudies,Scienceand Mathematics) 2001-2002 (67%)**

- (First division)
- Jawahar Navodaya Vidyalaya, Yanam. Central Board of Secondary Education.(CBSE)

PERSONAL DATA

- Date of Birth: 09-11-1986
- Nationality/Sex/Marital Status: Indian/female/Married

HOBBIES

- My only passion was towards Singing and Music. Since childhood used to sing songs in School & College and given stage shows too. Music is an universal language which gives me peace and joy in every hard time.
- Solving Sudoku puzzles in The Hindu newspaper daily which enhances my confidence levels at every step.
- Playing shuttle with friends and family.
- Mostly addicted to watch the nature around me to free my mind in fresh air.

HONORS & AWARDS

- Awarded Senior Research Fellowship (**SRF**) from the University Grants Commission (**UGC**), Rajiv Gandhi National Fellowship, New Delhi, India (2013-2016).
- Awarded Junior Research Fellowship (**JRF**) from the University Grants Commission (**UGC**), Rajiv Gandhi National Fellowship, New Delhi, India (2011-2013).
- Got state level first rank in AURCET held in 2010.
- Awarded Meritorious National fellowship i.e; UGC- Rajiv Gandhi National Fellowship for the academic year 2011-2016.
- Qualified APSET held in 2016.

EXPERIENCE

- Worked as Junior Research Fellow in Dept. of Organic Chemistry & FDW, Andhra University during 2011 to 2013.
- Worked as Senior Research Fellow in Dept. of Organic Chemistry & FDW, Andhra University during 2013 to 2016.

TEACHING EXPERIENCE

- Worked as lecturer in Chemistry for B.Sc I, II & III year at Ravi Degree College, Sunkarapalem from July, 2007 to June, 2008.
- Worked as teaching faculty in Organic Synthesis for M.Sc I & II year at M.S.N. PG College, Vizianagaram from July, 2010 to June, 2011.
- Worked as Assistant Professor in the department of Science & Humanities (Chemistry) at KIET-W, Korangi from January, 2017 to June, 2019.
- Worked as Guest faculty in the department of Organic Chemistry at Adikavi Nannayya University Tadepalligudem campus for M.Sc Organic Chemistry course from July, 2019 to December, 2019.
- Working as Assistant Professor in the department of Science & Humanities (Chemistry) at KIET-W, Korangi from January, 2020 to 14 December, 2021.
- Joined as Assistant Professor on Adhoc basis in the Department of Chemistry at esteemed Adikavi Nannaya University campus, Tadepalligudem from 15-12-2021 onwards.

PROFESSIONAL & PERSONAL STRENGTHS

- Expertise in designing and executing the multi-step synthesis of complex bioactive natural products.
- Development of new methodologies for organic synthesis.
- Maintain good interpersonal relationships.
- Expertise in handling air and moisture sensitive compounds and their purification and preparation procedures.
- Demonstrated skills in spectroscopic (NMR, IR, Mass) and chromatographic techniques (HPLC, TLC, column chromatography).

PUBLICATIONS

1. A simple and efficient synthesis of 3,4,5-trisubstituted/*N*-fused 1,2,4-triazoles *via* ceric ammonium nitrate catalyzed oxidative cyclization of amidrazones with aldehydes using PEG as recyclable reaction medium. N. Mangarao, T. Ramu, R. Srinuvasarao, **S. Prasanthi** and V. Siddaiah. *Synthesis* **2015**, *47*, 517.
2. Bronsted acid catalyzed simple and efficient synthesis of 1,2,4-triazoles and 1,2,4-oxadiazoles using 2,2,2-trichloroethyl imidates in PEG. N. Mangarao, G. Mahaboob Basha, T. Ramu, R. Srinuvasarao, **S. Prasanthi** and V. Siddaiah. *Tetrahedron Lett.* **2014**, *55*, 177.
3. A Simple and Straightforward Protocol to 3,5-Disubstituted 1,2,4-Oxadiazoles from Carboxylic Acids. **Sarakula Prasanthi**, Tadikonda Ramu, Nakka Mangarao, Gajula Mahaboob Basha, Rayavarapu Srinuvasarao and Vidavalur Siddaiah. *Chem. Lett.* **2013**, *42*, 722.
4. A mild and efficient protocol to chromones, isoflavones and homoisoflavones and homoisoflavones using the complex TCT/DMF. G. Mahaboob Basha, S. Kumar Yadav, R. Srinuvasarao, **S. Prasanthi**, T. Ramu, N. Mangarao and V. Siddaiah. *Can. J. Chem.* **2013**, *91*, 763.
5. A novel synthesis of 2-phenyl-4*H*-chromen-4-one *via* Mo(CO)₆ mediated carbonylation of aryl halides. **Sarakula Prasanthi**, Tadikonda Ramu, Nakka Mangarao, Gajula Mahaboob Basha, Rayavarapu Srinuvasarao and Vidavalur Siddaiah (Communicated to European journal of chemistry).
6. Polyethylene glycol as an efficient and recyclable reaction medium for one-pot synthesis of 2-amino-1,4-naphthoquinones under catalyst free conditions. **Sarakula Prasanthi**, Gajula Mahaboob Basha, Rayavarapu Srinuvasarao, Tadikonda Ramu, Nakka Mangarao, Inkollu Bhargavi and Vidavalur Siddaiah (Communicated to Tetrahedron letters).

CONFERENCES ATTENDED

1. Poster presented at "International Seminar on 2nd annual International Conference (AIC-2) & Industry – CCRS Congress (ICC)" during 13-14th Dec 2014, Chemical research society, Visakhapatnam, India. "A simple and efficient synthesis of 3,4,5-trisubstituted/*N*-fused 1,2,4-triazoles *via* ceric ammonium nitrate catalyzed

oxidative cyclization of amidrazones with aldehydes using PEG as recyclable reaction medium" Mangarao. N, Ramu. T, Srinuvasarao. R and Siddaiah. V.

2. Poster presented at International Seminar on "*Current Trends in Environmental Toxicology and Experimental Therapeutics*" during 18-19th Dec 2012, VS University, Nellore, India. "A simple and straightforward protocol to 1,2,4-oxadiazoles from carboxylic acids" N. Mangarao, G. Mahaboob Basha, R. Srinuvas, T. Ramu, V.Siddaiah.
3. Poster presented at International Seminar on "Emerging trends in synthetic organic and medicinal chemistry" during 13-15 Nov 2013, Vikrama Simhapuri University, Nellore, India. Bronsted acid catalyzed simple and efficient synthesis of 1,2,4-triazoles and 1,2,4-oxadiazoles using 2,2,2-trichloroethyl imidates in PEG. N. Managarao, T. Ramu, G. Mahaboob Basha, R. Srinuvasarao, S. Prasanthi and V. Siddaiah.
4. Participated in the National workshop on "Global warming impact on water quality" held in the Department of Engineering Chemistry, AU College of Engineering (A), Andhra University, Visakhapatnam on 22nd March, 2013.
5. Poster presented at National seminar on "Frontier research areas in organic synthesis" during 29-30 Nov, 2011, Andhra University, Visakhapatnam, India. Participated in the National seminar on "*Recent trends in chemical speciation, kinetics and Nanomaterials*" held on 3rd & 4rd Mar, 2016, Andhra University, Visakhapatnam, India.
6. Oral presentation in the UGC-Sponsored-Two day International conference on "*Emerging Trends in Chemical Pharmaceutical, Environmental Sciences & Technology*" held on 24th & 25th Jan, 2017 at Pithapur Rajah's Govt.College (Autonomous), Kakinada, AP, India.
7. Participated in the 105th Indian Science Congress held at S.V. University, Tirupati from Jan 3 to 7, 2017.
8. Participated in the National seminar on "*Role of chemistry in current day Industry*" held on 26 Nov, 2016, Andhra University, Visakhapatnam, India.
9. Poster presented in the 2nd Andhra Pradesh Science Congress held on 7-9th, November, 2016 at Vijayawada.
10. Poster presented in "*Trend setting Innovations In Chemical Sciences & Technology – Nature Inspired Chemistry & Engineering (TSCST-NICE 2016)*" 4-6th, October 2016, Jawaharlal Nehru Technological University, Hyderabad.

11. Poster presented in the National conference on “*Emerging trends in Pharmaceutical and Chemical Sciences*” (ETPCS-2016). 28th & 29th March 2016. Sri Venkateswara University, Tirupati, India.
12. Poster presented in the *National Seminar on “ Current Research Trends and Developments in Organic Synthesis (CRTADIOS - 2015) ”* 5th & 6th October, 2015, Adikavi Nannaya University, Rajahmundry, India.
13. Poster presented in the National Conference on “ *Drug Discovery and Development in Chemistry - Applications in Pharma Industry (DDDC-2015) ”* 14-15th September, 2015, Sri Venkateswara University, Tirupati, India.
14. Poster presented at National seminar on “*Frontier research areas in organic synthesis*” during 29-30 Nov, 2011, Andhra University, Visakhapatnam, India.
15. Participated in the National seminar on “ *Recent Trends in Organic synthesis and natural products ”* held on 23-24th, September, 2011 held at Adikavi Nannaya University, Rajahmundry, India.
16. Participated in the National Seminar on “ *Recent Developments in Green Chemistry (RDGC-2009) ”* during 29-30th, 2009, Andhra University, Visakhapatnam, India.

REFERENCES

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DECLARATION

I hereby declare that all the above information furnished is true to the best of my knowledge and belief.

Date: 21-12-2021

S. Prasanthi

(Signature of the Candidate)