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Professional Background

- May 2016 - Present** Principal Investigator, DST-SERB Young Scientist Project, Central University of Haryana, Mahendergarh, Haryana
- July 2014-May 2016** Principal Investigator DST-SERB Young Scientist Project, Medicinal Chemistry and Pharmacology division, CSIR-Indian Institute of Chemical Technology, Hyderabad
- March 2013-March 2014** Research Associate, CSIR-Indian Institute of Chemical Technology, Hyderabad
- August 2009-December 2009** Chemistry Teacher at Canberra Institute of Technology, Canberra, Australia
- July 2009-December 2009** Research Assistant and Demonstrator in Prof. Anthony Day's group at the Australian Defense Force Academy, Canberra, Australia (Part time)
- May 2008- May 2009** Post-Doctoral Fellow in the research group of **Prof. Martin G. Banwell** at Research School of Chemistry, Australian National University (ANU), Canberra, Australia
- March 2007-March 2008** Post-Doctoral Fellow in the research group of **Dr. Kak-Shan Shia** at the National Health Research Institutes, Taiwan
- August 2003-February 2007** Ph.D. in Organic Chemistry, Kerala University, India
Thesis title: Novel protocol for C-H activation and other synthetic transformations mediated by Cerium (IV) Ammonium nitrate (CAN).
Thesis Supervisor: **Dr. G. Vijay Nair**
- August 2002-July 2003** Junior Research Fellow in the research group of **Dr. G. Vijay Nair** at the National Institute for Interdisciplinary Science and Technology (Formerly RRLT), Trivandrum, India

**August 2001-
July 2002** Junior Project Fellow in the research group of **Dr. G. Vijay Nair** at the National Institute for Interdisciplinary Science and Technology (Formerly RRLT), Trivandrum, India

Awards

- College medal for the best graduate student (1998).
- CSIR Junior and Senior Research Fellowships (2002-2007) awarded on the basis of a national level examination conducted by Council of Scientific and Industrial Research (CSIR), Govt. of India
- Award for the best innovative idea (2009): In the research group of Kak-Shan Shia, Division of Biotechnology and Pharmaceutical Research, National Health Research Institutes, Taiwan
- Top in the hottest article list of the Journal *Tetrahedron*: Intramolecular 1, 3-Dipolar Cycloaddition Reactions in Targeted Syntheses. Nair, V.; Suja, T. D. *Tetrahedron* **2007**, *63*, 12247 (First in Top 25 hottest articles for October-December 2009).

Research Projects

Fast track project titled “Design and Synthesis of Natural Product Analogues Aimed at the Discovery of Anticancer Therapeutics” awarded by SERB, India in August 2013 (25 Lakhs).

Areas of Specialization

Organic Chemistry, Medicinal Chemistry, General Chemistry and Education.

Teaching Experience

- August 2009-December 2009** Chemistry Teacher at Canberra Institute of Technology, Canberra, Australia.
- July 2009-December 2009** Research Assistant and Demonstrator in Prof. Anthony Day's group at the Australian Defense Force Academy, Canberra (Part time), Australia.
- June 2001-July 2001** FIP Guest Lecturer, St. Joseph's College, Irinjalakuda, Calicut University, India.
- 2000-2001** Bachelor of Education (B. Ed.) in Physical Sciences (2000-2001): Calicut University, India

Research Experience

I have more than ten years of research experience in organic synthesis especially in the areas of chemical electron transfer mediated reactions, medicinal chemistry and synthetic methodology. I am well trained in modern laboratory techniques and spectroscopic methods (UV, NMR, IR, GC-MS) for structure elucidation. I have co-authored ten papers in peer reviewed international journals.

Computer skills

Proficient in common computer applications; MS Word, Power point and Excel; Familiar with Macintosh operating system; Experienced in Chem Draw and other Chemistry related software; Experienced in using Sci Finder and Reaxys (search for chemical literature).

Publications and Symposiums attended

I have co-authored 12 papers in peer-reviewed international journals.

I have attended and presented research posters in 2 international symposia.

References

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| 1. Dr. Vijay Nair
Raja Ramanna Fellow (Former Director)
National Institute of Interdisciplinary
Sciences and Technology (NIIST-CSIR)
Trivandrum 695 019
e-mail: vijaynair_2001@yahoo.com | 2. Prof. Martin Banwell
Research School of Chemistry
The Australian National
University
Canberra, ACT, Australia, 0200
e-mail: mgb@rsc.anu.edu.au |
| 3. Dr. Ahmed Kamal
Director Grade Scientist
Medicinal Chemistry and Pharmacology
CSIR-IICT, Hyderabad 500 007
e-mail: ahmedkamal@iict.res.in | |

List of Publications in international journals

As Independent Investigator

1. A unified approach for the synthesis of pyrazole-fused heterocyclic and carbocyclic motifs via one-pot condensation and intramolecular dipolar cycloaddition reaction. Divya, K. V. L.; Meena, A.; **Suja, T. D.** (Synthesis – accepted for publication) (IF 2.652).
2. Copper-catalyzed three-component synthesis of aminonaphthoquinone-sulfonylamidine conjugates and in-vitro evaluation of their antiproliferative activity. **Suja T. D.**; Divya, K. V. L.; Naik, L. V.; A. R. Kumar, A. R.; Kamal, A. *Bioorg. Med Chem Lett*, **2016**, 26, 2072 (IF 2.486, Citation 1).

As Co-author

3. Bioisosteric replacement of the pyrazole-3-carboxamide moiety of rimonabant. Anovel series of oxadiazoles as CB1 cannabinoid receptor antagonists. Cheng-MingChu, Ming-Shiu Hung, Min-Tsang Hsieh, Chun-Wei Kuo, **Suja T. D.**, Jen-ShinSong, Hua-Hao Chiu, Yu-Sheng Chao, Kak-Shan Shia. *Organic and Biomolecular Chemistry* **2008**, 6, 3399 (IF 3.559, Citation 13).
4. Intramolecular 1, 3-Dipolar Cycloaddition Reactions in Targeted Syntheses. Nair, V.; **Suja, T. D.** *Tetrahedron* **2007**, 63, 12247 (IF 2.645, Citation 294)

5. Stereoselective Synthesis of 3, 4- trans-Disubstituted γ -Lactams by Cerium (IV) Ammonium Nitrate Mediated Radical Cyclization of Cinnamamides. Nair, V.; Mohanan, K.; **Suja T. D.**; Biju, A. T. *Synthesis* **2007**, 1179 (IF 2.652, Citation 5).
6. A Convenient Synthesis of 2, 2-Diaryl Cyclobutanones by Cerium (IV) Ammonium Nitrate (CAN) Mediated Oxidation of Methylenecyclopropanes (MCPs). Nair, V.; **Suja T. D.**; Mohanan, K. *Synthesis* **2006**, 2531 (IF 2.652, Citation 17).
7. CAN Mediated Oxidative addition of 1, 3-Dicarbonyl Compounds toMethylenecyclopropanes: A Facile Synthesis of Spirocyclopropyl Dihydrofurans. Nair, V.; **Suja T. D.**; Mohanan, K. *Synthesis* **2006**, 2335 (IF 2.652, Citation 13).
8. Stereoselective Synthesis of 3, 4-trans Disubstituted Pyrrolidines and Cyclopentanes via Intramolecular Radical Cyclisations Mediated by CAN. Nair, V.; Mohanan, K; **Suja, T. D.**; Suresh, E. *Tetrahedron Lett.* **2006**, 47, 2803 (IF 2.347, Citation 16).
9. CAN Mediated Stereoselective Cyclisation of Epoxypropyl Cinnamyl Amines to 3, 4, 5- Trisubstituted Piperidines and Supramolecular Assembly of the Latter Aided by Ethyl acetate. Nair, V.; Mohanan, K; **Suja, T. D.**; Suresh, E. *Tetrahedron Lett.* **2006**, 47, 705 (IF 2.347, Citation 25).
10. A Convenient Protocol for C-H Oxidation Mediated by an Azido Radical Culminating in Ritter-type Amidation. Nair, V.; **Suja T. D.**; Mohanan, K. *Tetrahedron Lett.* **2005**, 46, 3217 (IF 2.347, Citation 16).
11. Cerium (IV) Ammonium Nitrate Mediated Sulfonylation of Styrenes: Some Interesting Observations. Nair, V.; Augustine, A.; **Suja, T. D.**; Panicker, S. B.; Mathai, S. *Res. Chem. Intermed.* **2003**, 29, 213 (IF 1.22, Citation 14).
12. CAN Mediated Reaction of Aryl Sulfinates with Alkenes and Alkynes: Synthesis of Vinyl Sulfones, β -Iodovinyl Sulfones and Acetylenic Sulfones. Nair, V.; Augustine, A.; **Suja, T. D.** *Synthesis* **2002**, 2259 (IF 2.652, Citation 29).