

## CURRICULUM VITAE

### **Dr. Jijy E.**

Assistant Professor  
Department of Chemistry  
MES College, Nedumkandam  
Email: jijy20@gmail.com



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### **Personal Information**

Permanent Address: Jey Jey Cottage  
Odippuram Road  
Mottammal PO  
Kannur-670331

### **Academic Chronicle**

<b>Qualification</b>	<b>Year of passing Exam</b>	<b>Institution</b>	<b>University</b>	<b>Marks obtained (%)</b>
PhD.	2015	CSIR- NIIST, Trivandrum, INDIA	University of Kerala	Awarded
M. Sc Chemistry (Organic Chemistry Specialization)	2006-2008	School of Chemical Sciences, Kottayam	Mahathma Gandhi University, Kerala	78% (CGPA- 8.32)
B.Sc Chemistry	2003-2006	Sree Narayana College, Kannur	Kannur University, Kerala	88.2%

## Teaching Experience

- Assistant Professor, MES College Nedumkandam : joined on **17<sup>th</sup> December 2018**
- Assistant Professor on contract : Department of Chemistry, Kannur University  
**November 2016 – May 2018**

## Research Experience

- Post-Doctoral Fellow : Service de Chimie Bioorganique et de Marquage, CEA/Saclay  
France **July 2015-June 2016**  
Supervisor : **Dr. Frederic Taran**
- Ph.D. (Organic Chemistry) : **September 2009-February 2015**, University of Kerala  
(Organic Chemistry Section, CSIR- NIIST Trivandrum),  
Kerala, INDIA

Thesis Title: **Carbon-Carbon and Carbon-Heteroatom Bond Formation via Transition Metal Catalyzed Desymmetrization of Strained Diazanorbornenes**

Advisor : **Dr. K. V. Radhakrishnan**

## Publications

- Papers published in peer-reviewed international journals : 15
- Contributions to academic conferences : 8

## Awards

- CEA-Eurotalents Fellowship for Post-Doctoral Researchers, CEA France (2015)
- Junior Research Fellowship (JRF) and National Eligibility Test (NET), Council of Scientific and Industrial Research, India (2008)
- Graduate Aptitude Test in Engineering (GATE Score) – 99.03% (2009)

## Papers published in peer-reviewed International Journals

1. Strain-Promoted 1,3-Dithiolium-4-olates–Alkyne Cycloaddition, *Angew. Chem.*, 2019, 14686.
2. Bioorthogonal Click and Release Reaction of Iminosynones with Cycloalkynes, *Angew. Chem.*, 2017, 15612.
3. Rhodium catalyzed oxidative coupling of salicylaldehydes with azabicyclic olefins: a one pot strategy involving aldehyde C-H cleavage and  $\pi$ -allyl chemistry towards the synthesis of fused ring chromanones, E. Jijy, P. Prakash, M. Shimi, P. M. Pihko, N. Joseph., K. V. Radhakrishnan. *Chem. Commun.*, 2013, 49, 7349.

4. Palladium Catalyzed Skeletal Rearrangement of Spirotricyclic Olefins: A facile One Pot Strategy for the Synthesis of a Novel Motif with Cyclopentene Fused to Benzofuran and Pyrazolidine. P. Prakash, E. Jijy, P. Preethanuj, P. M. Pihko, S. S. Chand, K. V. Radhakrishnan. *Chem. Eur. J.*, 2013, 19, 10473.
5. Palladium/Lewis Acid Mediated Domino Reaction of Pentafulvene Derived Diazabicyclic Olefins: Efficient Access to Spiropentacyclic Motif with an Indoline and Pyrazolidine fused to Cyclopentene. S.S. Chand, E. Jijy, P. Prakash, J. Szymoniak, P. Preethanuj, B. P. Dhanya, K.V. Radhakrishnan. *Org. Lett.*, 2013, 15, 3338.
6. Synthesis of Functionalized Indanes via Palladium Catalyzed Carboannulation of Diazabicyclic Olefins with o-Iodostyrenes. E. Jijy, P. Prakash, S. Saranya, K. V. Radhakrishnan. *Synthesis*, 2013, 45, 2583.
7. Rhodium(III)-Catalyzed De-symmetrization of Strained Olefins through C-H Activation of OAcetyl Ketoximes: An Efficient Synthesis of trans-Functionalized Cyclopentenes and Spiro[2.4] heptenes. E. Jijy, P. Prakash, M. Shimi, S. Saranya, P. Preethanuj, P. M. Pihko, S. Varughese, K. V. Radhakrishnan. *Tetrahedron Lett.*, 2013, 54, 7127.
8. Mild rhodium(I) catalyzed ring opening of cyclopropane appended spirotricyclic olefins through C-H activation of arylboronic acids. P. Prakash, E. Jijy, M. Shimi, P. S. Aparna, E. Suresh, K. V. Radhakrishnan. *RSC Adv.*, 2013, 3, 19933.
9. Rhodium(III) catalyzed synthesis of isoquinolone fused azabicycles through C-H activation of Npivaloyloxy benzamides. P. Prakash, E. Jijy, P. S. Aparna, S. Viji, K. V. Radhakrishnan *Tetrahedron Lett.*, 2014, 55, 916.
10. Rhodium(III)-Catalyzed C-H Activation of Phenylazoles toward C-N Bond Cleavage of Diazabicyclic Olefins: A Facile Access to mono- and bis- Cyclopentenyl Functionalized Azaheteroaromatics. P. Prakash, P. S. Aparna, E. Jijy, P. V. Santhini, S. Varughese, K. V. Radhakrishnan. *Synlett*, 2014, 25, 275.
11. Trapping the Lewis Acid Generated Transient Species from Pentafulvene Derived Diazanorbornenes with ortho-Functionalized Aryl Iodides and Aliphatic Alcohols. S. S. Chand, S. Saranya, P. Preethanuj, B. P. Dhanya, E. Jijy, P. Prakash, J. Szymoniak, P. V. Santhini, K. V. Radhakrishnan. *Org. Biomol. Chem.*, 2014, 12, 3045.

12. Palladium Catalyzed Stereoselective Ring Opening of Cyclopropane Appended Spirotricyclic Olefins: Facile Synthesis of Functionalized Spiro[2.4]heptanes. E. Jijy, P. Prakash, T. V. Baiju, M. Shimi, E. Suresh, K. V. Radhakrishnan. *Synthesis*, 2014, 46, 2629.
13. Ruthenium catalyzed desymmetrization of diazabicyclic olefins to access heteroaryl substituted cyclopentenes through C-H activation of phenylazoles. P. S. Aparna, B. Prabha, P. Prakash, E. Jijy, R. Luxmi Varma, K. V. Radhakrishnan. *Tetrahedron Lett.*, 2014, 55, 865.
14. A novel method for the upper rim alkoxy – substitution of calix[4]arene via a bis(spirodienone). T. Sreeja, V. B. Ganga, E. Jijy, L. R. Varma, *Tetrahedron Lett.*, 2009, 50, 770.
15. An easy access to fused chromanones via rhodium catalyzed oxidative coupling of salicylaldehydes with heterobicyclic olefins. Ajesh Vijayan, T.V. Baiju, E. Jijy, Praveen Prakash, M. Shimi, Nayana Joseph, Petri M. Pihko, Sunil Varughese, K.V. Radhakrishnan. *Tetrahedron*, 2016, 72, 4007.