

Dr. Jignesh Prafulchandra Dalvadi

Assistant Professor in Chemistry,
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I would like to be a part of the teaching-learning process, scientific research world especially in the fields of chemistry where my technical, communicational skills along with the academic achievements can be effectively utilized for its boost and to give my best with full capability and determination.

Education

Ph.D. in Chemistry from Department of Chemistry, Gujarat University, Ahmedabad (July 2015)
Synthesis and characterization, biologically potent novel heterocycle Via C-C and C-N Couplings.
M.Sc. (Organic Chemistry) with 67.22% from Department of Chemistry, Gujarat University, Ahmedabad, during (May-2010).
B.Sc. (Chemistry) with 75% from Bhavan's Sheth R.A. College of Science, Gujarat University, Ahmedabad during (April 2008).
GSET had been qualified in 7th November 2016.

Professional Positions**Assistant Professor in Chemistry:**

Government Science College, Idar (9th December 2019 till date)
Government Science College, Gandhinagar (1st August 2015 to 28th October 2017)
Government Science College, Zalod (28th July 2018 to 8th December 2019)

Lecturer :

Shree K. J. Polytechnic, Bharuch (29th October 2017 to 27th July 2018)

- Profound knowledge of Chemistry and ability to teach the subject for all sorts of students.
- Excellent communication and written skills as well as ability to explain the text.
- Highly skilled in using the deferent course books and material for teaching
- Ability to plan, collect material and deliver the lessons in the class.
- Proficient at arranging the competitions and assessing the performance of the students.

Profile**Core Competencies**

- Time management, Research Management, Research Data Compilation, Documentation/Reports, Process Improvement, Cross-functional Coordination, Team Management, Strong Analytical Skill

Technical Skills

- Reactions: Palladium catalyzed cross coupling reactions like Suzuki coupling, Sonogashira reaction, Heck coupling and Buchwald–Hartwig reaction, Palladium catalyzed C-H activation and C-OH activation.
- Purification Techniques: Column chromatography, preferential crystallization, separation by salting, solvent extraction.
- Spectral Interpretation: ¹H NMR, ¹³C NMR, GC-MS

Publications

- Six (6) Publications in international journal of reposes:
For Detail Please refer Annexure 1
 - Four (04) Book:
For Detail Please refer Annexure 2
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Conferences / Seminars/Workshops

- Attended and/or participated in two (02) International conferences
 - Attended and/or participated 8+ national conference/seminar/workshop
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Special Achievement

Award: Five gold medals, prizes and Scholarship were awarded for the aforesaid Examination for B. Sc. (Chemistry), (April 2008) from Gujarat University, Ahmedabad.

U.G.C Scholarship:

- UGC (BSR) fellowship is awarded by University Grant commission (New Delhi, INDIA) (12th March 2012 to 11th March 2014)
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Personal Details

Date of Birth: 29th January 1987

Marital Status : Married;

Languages known: English, Hindi, Gujarati

Information provided is authentic and sufficient but will be glad to furnish any more if needed.

Dr. J. P. Dalvadi

Annexure 1

Sr. No.	Article Detail
1.	<p>Convenient synthesis of s-triazine based urea derivatives via a palladium catalyzed C–N coupling reaction J.P. Dalvadi, P. K. Patel, K. H. Chikhalia RSC Advance 2013, 3, 8960-8966 Impact Factor: 3.7</p>
2.	<p>A quick and flexible synthetic approach to enureas (alkenyl ureas) via the Pd-catalyzed C–N coupling reaction of alkenyl tosylates and mesylates J.P. Dalvadi, P. K. Patel, K. H. Chikhalia RSC Advance 2013, 3, 22972-22975. Impact Factor: 3.7</p>
3.	<p>An elevated throughput and swift synthesis of enureas (alkenyl ureas) advanced by microwave irradiated Pd-catalyzed C-N coupling reaction of alkenyl nonaflates J.P. Dalvadi, P. K. Patel, K. H. Chikhalia Current Organic Synthesis 2015, 12, 80-87(8) Impact Factor: 2.5</p>
4.	<p>A tandem and tunable Pd catalyzed C-N coupling of heteroarenes with ureas via C–OH bond activation J.P. Dalvadi, P. K. Patel, K. H. Chikhalia Tetrahedron 2014, 70, 9394–9404 Impact Factor: 2.8</p>
5.	<p>Pd catalyzed cross coupling reactions of less activated alkenyl electrophiles (for tosylates) with tosylhydrazones: synthesis of various 1,3-dienes P. K. Patel, J.P. Dalvadi, K. H. Chikhalia RSC Advance 2014,4, 55354-55361 Impact Factor: 3.7</p>
6.	<p>A direct facile and effective synthesis of various 1,1-heterodiaryl alkenes through Pd catalyzed cross coupling reaction using N-tosylhydrazones via C–OH bond activation P. K. Patel, J.P. Dalvadi, K. H. Chikhalia Tetrahedron letter 2015, 56, 6585–6589 Impact Factor: 2.4</p>

Annexure 2

Sr. No.	Book Detail
1.	Synthesis of quinoliny l ureas via Pd catalyzed C- N coupling Lambert Academic Publishing ISBN No.: 978-3659777714
2.	Topical advancement in Pd-catalyzed C-N coupling of weak nucleophiles Lambert Academic Publishing ISBN No.: 978-3659769498
3.	Quinqzoline Based Scaffolds Holding Thiosemicarbazide and Styryl Frame Scholars' Press,Publishing ISBN No.: 978-3659837999
4.	Biological review of some compounds based multifunctional ligands Scholars' Press,Publishing ISBN No.: 978-3659838460