Dr. TUSHAR R. SUTARIYA

Designation: - Assistant Professor

Specialization: - Organic Chemistry

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Education Qualification :-

- **B. Sc** in Chemistry, M. B. Patel Science College, Sardar Patel University, 2006-2009.
- **M. Sc** in Organic Chemistry, Department of Chemistry, Sardar Patel University, 2009-2011.
- **Doctor of Philosophy** (Ph. D.) in Chemistry, Department of Chemistry, Sardar Patel University, 2011-2016

Academic Experience :-

- Assistant professor at Shri A. N. Patel Post Graduate science College, Anand, from 1st July 2016 to 26th July 2018.
- Assistant professor at Bahauddin Science College, Junagadh from 27th July 2018 to 31st January 2022.
- Assistant professor at Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar Since 1st February 2022.

Research Area: - Multicomponent reaction, Tandem Reaction, Coupling Reaction, Synthesized biologically active heterocycles.

Expertise: - Pericyclic Reaction, Stereochemistry, Reaction Mechanism, Spectroscopy, Heterocyclic Chemistry, Disconnection Approach.

No. of Publication

- Research Articles: 10
- Book: 04

List of publications in international peer reviewed Journals:

1) Gaurang C. Brahmbhatt, **Tushar R. Sutariya**, Hiralben D. Atara, Narsidas J. Parmar, Vivek K. Gupta, Irene Lagunes, José M. Padrón, Prashant R. Murumkar, Mange Ram Yadav, "New pyrazolyl‐ dibenzo[b,e][1,4]diazepinones: room temperature one‐ pot synthesis and biological evaluation" ***Molecular Divers*** **(2020) 24:355–377. (I.F.: 2.229)**

2) Balvantsingh M. Labana, **Tushar R. Sutariya**, Gaurang C. Brahmbhatt, Narsidas J. Parmar,* and José M. Padrón "Efficient synthesis and biological evaluation of new benzopyran-annulated pyrano[2,3-c]pyrazole derivatives" ***Molecular Divers*** **(2017) 21:339–354. (I.F.: 2.229)**

3) Bhagyashri D. Parmar, **Tushar R. Sutariya**, Narsidas J. Parmar,* Rajni Kant and Vivek Gupta "A Base−Catalyzed Domino Claisen-Schmidt/hetero-Diels-Alder Synthesis of Tricyclic Pyrano[3,4-*c*]chromenes in Glycerol" ***Journal of Organic Chemistry, 2016, 81, 4955−4964*** **(I.F.: 4.354)**

4) Hitesh A. Barad, **Tushar R. Sutariya**, Gaurangkumar C. Brahmbhatt, Narsidas J. Parmar, Irene Lagunes, José M. Padrón, Prashant Murumkar, Mayank Kumar Sharma, Mange Ram Yadav, "A catalyst− and solvent−free multicomponent synthesis and docking study of some new antiproliferative N_5-allyl-quinolylpyrido[2,3-*b*][1,4]benzodiazepinone precursors" ***New Journal of chemistry*****, 2016, 40, 4931—4939 (I.F.: 3.591)**

5) Bhagyashri D. Parmar, **Tushar R. Sutariya**, Narsidas J. Parmar,* Rajni Kant and Vivek Gupta, Prashant Murumkar, Mayank Kumar Sharma and Mange Ram Yadav "One-pot synthesis, biological evaluation and docking study of some new chromeno-fused thiopyrano[2,3-c]pyrazoles" ***Molecular Diversity.*** **(2016) 20, 639–657**. **(I.F.: 2.229)**

6) **Tushar R. Sutariya**, Balvantsingh M. Labana, Narsidas J. Parmar,* Rajni Kant, Vivek K. Gupta, Gabriela B. Plata and José M. Padrón "Efficient synthesis of some new antiproliferative N-fused indoles and isoquinolines *via* 1,3-dipolar cycloaddition reaction in an ionic liquid" ***New Journal of chemistry*****, 2015, 39, 2657—2668. (I.F.: 3.591)**

7) **Tushar R. Sutariya**, Balvantsingh M. Labana, Bhagyashri D. Parmar, Narsidas J. Parmar,* Rajni Kant and Vivek Gupta "A domino synthetic approach for some new, angular pyrazol– and isoxazol–heterocycles using [DBU][Ac] as an effective reaction medium" ***RSC Advance,*** **2015, 5, 23519–23529. (I.F.: 3.36)**.

8) Bhavesh R. Pansuriya, Hitesh A. Barad, **Tushar R. Sutariya**, Bhagyashri D. Parmar, Narsidas J. Parmar "A Solvent-Free, one pot access to some quinoline- and pyrazol-annulated heterocycles their biological evaluation" ***PRAJNA – Journal of pure and Applied Science (2015) 22, 17–23.***

9) Narsidas J. Parmar,* Bhagyashri D. Parmar, **Tushar R. Sutariya**, Rajni Kant and Vivek Gupta "An efficient synthesis of some thiopyranopyrazole-heterocycles *via* domino reaction in a Brønsted acidic ionic liquid" ***Tetrahedron Letters.,* 2014, 55, 6060-6064 (I.F: 2.415)**.

10) Narsidas J. Parmar,* Bhavesh R. Pansuriya, Balvantsingh M. Labana, **Tushar R. Sutariya**, Rajni Kant, and Vivek K. Gupta "Access to some angular aminochromeno[2,3-c]pyrazole precursors by a domino Knoevenagel–hetero–Diels—Alder Reaction" ***European Journal of Organic Chemistry*, 2012, 5953—5964. (I.F.: 3.021)**.

List of Minor/ Major projects carried out:- Nil

Honors/Fellowship

- Qualified **CSIR-UGC NET EXAM (Five times**, Dec. 2016/ June 2017/Dec. 2017/ Dec. 2018/ Dec. 2019) in Chemical sciences conducted by CSIR and UGC, New Delhi.
- Qualified **GATE** Examination (2017).
- Got **1st rank in GPSC Class-2** Examination held for appointment of Assistant professor. (2018)
- Qualified **GSLET** conducted by M. S. University, Gujarat (**2011)**.
- Selected as a Research Fellow under the scheme of Research Fellowship in Sciences for Meritorious Students (RFSMS, **JRF**) from U. G. C., New Delhi, India for the period of 2nd April **2012** to 31th March **2014**.
- Selected as a Senior Research fellow under the scheme of Research Fellowship in Sciences for Meritorious Students (RFSMS, **SRF**) from U. G. C., New Delhi, India for the period of 1st April 2014 to 31th March 2017.
- Got 1st prize in **"MINAXI LALIT '' competitive** exam during **2010**, organized by Gujarat Science Academy, Ahmedabad during Post graduation Course.