

## Dr KESUR RAJADE RAM



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### EXPERIENCE

- August, 2017 to till Date:** Working as an Assistant Professor at “Department of Chemistry, Sardar Patel University”, Vallabh Vidyanagar.
- 2013–2017** : Worked as an Assistant Professor in Chemistry at “Bahauddin Science College”, Junagadh, Gujarat.
- 2011-2013** : Worked as an Assistant Professor in Chemistry at “P S Science & H D P Arts College”, Kadi, Mehsana.

### EDUCATION

- 2005-2010** : **Ph.D. in Chemistry** under the Supervision of **Dr. M. S. R. Murty**, Deputy Director, Indian Institute of Chemical Technology (IICT), Hyderabad, India. Thesis title “DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION OF NEW AZOLE HETEROCYCLES”.
- 2002-2004** : **M.Sc. (Organic Chemistry); I Class**  
Sardar Patel University, Vallabh Vidyanagar, Gujarat, India
- 1999-2002** : **B.Sc. (Chemistry); I Class**  
Sardar Patel University, Vallabh Vidyanagar, Gujarat, India

## AWARDS AND FELLOWSHIPS

- Qualified “Joint CSIR-UGC Junior Research Fellowship (JRF) and eligibility for lectureship- National eligibility test (NET)” in Chemical Sciences conducted by CSIR and UGC, New Delhi, India. (2004)
- Qualified “Graduate Aptitude Test in Engineering (GATE)”, conducted by Human Resource Development (HRD), India.(2004 and 2005)
- Stood first in “Minaxi Lalit Science Awards” at postgraduate level in the chemistry conducted by Gujarat Science Academy, Ahmedabad, India. (2004)
- Junior Research Fellow-Project at Central Salt and Marine Chemical Research Institute (CSMCRI), Bhavnagar, Gujarat, India. (2004)
- “Junior Research Fellowship” based on National Aptitude Screening by CSIR, New Delhi, India. (2005 to 2007)
- “Senior Research Fellowship” based on National Aptitude Screening by CSIR, New Delhi, India.(2007 to 2010)
- Received “IASc-INSA-NASI Summer Research Fellowship 2014” and worked as ‘Summer Research Fellow’ with Professor Yashwant D. Vankar at Indian Institute of Technology, Kanpur. (2014)

## LIST OF PUBLICATIONS

1. Meglumine Promoted Eco-compatible Pseudo-Three-Component Reaction for Synthesis of 1,1-Dihomoarylmethane Scaffolds and Their Green Credentials  
Manan S. Patel, Jaydeepkumar N. Parekh, Dipakkumar D. Chudasama, Harsh C. Patel, Priyanka Dalwadi, Anju Kunjadiya, Vaibhav Bhatt, **Kesur R. Ram**  
*ACS Omega*, 7(34) (2022) 30420-30439. (Impact Factor: **4.132**)
2. Ultrasound-promoted convenient and ionic liquid [BMIM]BF<sub>4</sub> assisted green synthesis of diversely functionalized pyrazolo quinoline core via one-pot multicomponent reaction, DFT study and pharmacological evaluation  
Dipakkumar D. Chudasama, Manan S. Pate, Jaydeepkumar N. Parekh, Harsh C. Patel, Chetan V. Rajput, Navin P. Chikhaliya, **Kesur R. Ram**  
*Molecular Diversity*, (2022) DOI: 10.1007/s11030-022-10498-2. (Impact Factor: **3.364**)
3. Synthesis of benzo[c][2,7]naphthyridines by one-pot multicomponent reaction

- using Ceric (IV) ammonium nitrate  
M. S. R. Murty, Mohana Rao Katiki, **Kesur R. Ram**, B. Ramalingeswara Rao  
*Synthetic communications*, 44(11) (2014) 1664-1670. (Impact Factor: **1.796**)
- Synthesis, characterization, and anticancer studies of *S* and *N* alkyl piperazine-substituted positional isomers of 1,2,4-triazole derivatives  
M. S. R. Murty, **Kesur R. Ram**, B. Ramalingeswara Rao, Rayudu Venkateswara Rao, Mohana Rao Katiki, Janapala Venkateswara Rao, R. Pamanji, L. R. Velatooru  
*Medicinal Chemistry Research*, 23(4) (2014) 1661-1671. (Impact Factor: **1.783**)
  - Synthesis of new *S*-alkylated -3-mercapto-1,2,4-triazole derivatives bearing cyclic amine moiety as potent anticancer agents  
M. S. R. Murty, **Kesur R. Ram**, Rayudu Venkateswara Rao, J. S. Yadav, Janapala Venkateswara Rao, Ramjee Pallela and Koigoora Srikanth  
*Letters in Drug Design & Discovery*, 9 (2012), 276-281. (Impact Factor: **1.169**)
  - Synthesis and preliminary evaluation activity studies of novel 4-(aryl/heteroaryl)-2-ylmethyl)-6-phenyl-2-[3-(4-substituted-piperazine-1-yl)propyl]pyridazin-3(2*H*)-one derivatives as anticancer agents  
M. S. R. Murty, B. Ramalingeswara Rao, **Kesur R. Ram**, J. S. Yadav, Jayesh Antony and Ruby John Anto  
*Medicinal Chemistry Research*, 21 (2012), 3161–3169. (Impact Factor: **1.783**)
  - CsF-Celite catalyzed facile *N*-alkylation of 2(3*H*)-benzoxazolones and antimicrobial properties of 2-substituted benzoxazole and 3-substituted-2(3*H*)-benzoxazolone derivatives  
M. S. R. Murty, **Kesur R. Ram**, Rayudu Venkateswara Rao, J. S. Yadav, U. S. N. Murty and K. Pranay Kumar  
*Medicinal Chemistry Research*, 20 (2011), 626-636. (Impact Factor: **1.783**)
  - Synthesis and preliminary evaluation of 2-substituted-1,3-benzoxazole and 3-[(3-substituted)propyl]-1,3-benzoxazol-2(3*H*)-one derivatives as potent anticancer agents  
M.S.R. Murty, **Kesur R. Ram**, Rayudu Venkateswara Rao, J. S. Yadav, Janapala Venkateswara Rao, V. T. Cheriyan and Ruby John Anto  
*Medicinal Chemistry Research*, 20 (2011), 576-586. (Impact Factor: **1.783**)
  - Zinc mediated facile and efficient chemo-selective *S*-alkylation of 5-aryl-1,3,4-oxadiazole-2-thiols in the absence of base  
M. S. R. Murty, R. Venkateswara Rao, **Kesur R. Ram**, N. Rami Reddy, J. S. Yadav and B. Sridhar  
*Synthetic Communications*, 40 (2010), 2914-2921. (Impact Factor: **1.796**)
  - An efficient and novel synthesis of cyclic amine substituted benzoxazole derivatives in the presence of Zinc dust under solvent free conditions

M. S. R. Murty, **Kesur R. Ram**, R. Venkateswara Rao and J. S. Yadav  
*Synthetic Communications*, 40 (2010), 2844-2849. (Impact Factor: **1.796**)

11. BiCl<sub>3</sub> promoted aza-Prins type cyclization: a rapid and efficient synthesis of 2, 4-disubstituted piperidines

M. S. R. Murty, **Kesur R. Ram** and J. S. Yadav  
*Tetrahedron Letters*, 49 (2008) 1141–1145. (Impact Factor: **2.275**)

## BOOKS

- Chapters are written in **5** books for Under Graduate (UG) Chemistry students.
- Two International books.

## RESEARCH PROJECTS

- Project entitled “Sustainable and Efficient Click Chemistry based Protocol for Novel 1,2,3-Triazoles” under Seed Money Research Project Scheme by Sardar Patel University (Duration: 01/10/2022 to 30/09/2024, Sanctioned amount: Rs. 1,50,000/-, Letter No. G/SEED/2022-23/S318114, Dated: 14/10/2022) (**ongoing**)

## SYMPOSIA ATTENDED/POSTERS PRESENTED

- Acted as treasurer in one national conference as well as in one national workshop.
- Organizing committee member in five national conferences.
- Oral and poster presentations in five international/national conferences.
- Two international, nine national and four state level conferences attended.

## TRAININGS

- “Teachers’ Training & Capacity Building Programme” organised by Knowledge Consortium of Gujarat (KCG), Department of Education at Pandit Deendayal Petroleum University, Gandhinagar during 20-25 June 2011.
- “Advance Chromatographic Course” on High Performance Liquid Chromatography and Gas Chromatography at Advance Analytical Research & Training Institute (An ISO 9001:2008 Certified Training Institute), Ahmedabad during 25<sup>th</sup> August 2011 to 25<sup>th</sup> September 2011.
- Computer aided drug design, SWAYAM-NPTEL Online Course, September, 2019.

## **EXPERT TALKS/LECTURES**

- Conducted hands on sessions as a Resource Person in the UGC-CAS Sponsored National Workshop on Therapeutics and Material Characterization (NWTMC-2020) organized by Chemistry Department, Sardar Patel University, Vallabh Vidyanagar (12<sup>th</sup> to 18<sup>th</sup> March 2020).
- 4 Expert talks have been delivered in various sponsored conferences/workshops to the Under Graduate (UG) and Post Graduate (PG) students.
- 10 Expert lectures have been delivered to the UG and PG students at various institutes.

## **SUBJECT EXPERTISE**

- Organic Spectroscopy
- Pericyclic reactions
- Stereochemistry
- Dyes and pigments
- Organic qualitative analysis
- Interpretation of spectral data

## **RESEARCH AREA**

- Heterocyclic Chemistry
- Medicinal Chemistry
- Organic Synthetic Method Development
- Green Chemistry

## **RESEARCH GROUP**

- Presently four full-time research/Ph.D. students are working in my group.
- Three post graduate students have completed their dissertation work.

## **MEMBERSHIP**

- Life member of Chemical Research Society of India (CRSI), Bangalore.
- Member of American Chemical Society (ACS), USA.

## **REVIEWER**

- Synthetic Communications