**Bio-Data**

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| **Present Position:**  ***Associate Professor,***  ***Head, Department of Chemical Engineering***  JNTUH College of Engineering Science & Technology Hyderabad, Kukatpally- 500 085  Mail:vidyaorg@yahoo.com  Phone +91-9849924120 | C:\Users\mett\Desktop\Dr. K. Vidya.jpeg  **Dr. K. Vidya**  ***M.Sc. Ph.D.*** |

**Academic Qualifications**

* **Doctor of Philosophy, Chemistry** **2002-2007**

Kakatiya University, Warangal, Telangana, India

**Title:** Synthesis and Biological Profile of some New 1, 8 Naphthyridines.

Advisor: Professor K. Mogiliah

* **Master of Science**, Organic Chemistry with first Division **1998-2000**

Kakatiya University, Warangal

* **Bachelor of Science** (M.P.C) with Distinction **1995-1998**

Kakatiya University, Warangal

* **Intermediate (**Bi. P.C) with Distinction **1993-1995**
* **Secondary School Certificate** **1993**
* **Academic Experience:**

**2000 – 2010** Lecturer Lal Bahadur Degree P.G. College

**2010 – 2024** JNTUH UCEJ

**2024 -** Till Date Associate Professor JNTUH UCESTH

**Teaching Experience – 25 Yrs.**

**Research Experience – 21 Yrs.**

**Research Interests –** Synthesisof New Organic Haterocyclic Compounds, & Screening the chemical entities for various types of Biological activity & works out structure activity relationship

**Research accomplishments**

**No. of Ph. D’s guided : 02**

**No. of students working : 06**

**No. of Research papers : 27**

**Administrative positions held:**

1. Head Department of chemistry JNTUH UCEJ 2016 – 2019.
2. Student’s advisor 2015 – 2024
3. Chairman CRC-1st year 2021 – 2024
4. Head, Dept. of Chemical Engineering – 2024 January 9th to till date

**Membership in Professional Bodies**

1. Life member of **“The Indian Science Congress Associations”.**
2. Life member of **“The Indian Society for Technical Education”.**

**Journal Published :( National& International)**

1. Green and efficient synthesis of pyrazole-conjugated chromene derivatives” A Russaian journal of organic chemistry, ***K. Vidya****, ISSN No 1070 - 4280, Volume no. 60, pleiades publishing, Ltd-2024.accepted March -2024.*
2. One-Pot Green Synthesis of Novel 1H-Pyrrole(Furan, Thiophene)-Conjugated Pyrazolo[3,4-b]quinolin-5-one Derivatives, ***K. Vidya****, ISSN 1070-4280, Russian Journal of Organic Chemistry, 2023, Vol. 59, No. 3, pp. 498–502. © Pleiades Publishing, Ltd., 2023. accepted July 14, 2022*
3. Synthesis of Chromene Based 1,2,4-Oxadiazoles: In Vitro Anticancer, Molecular Docking, and ADMET Studies, ***K.Vidya****ISSN 1070-3632, Russian Journal of General Chemistry, 2022, Vol. 92, No. 11, pp. 2346–2353. © Pleiades Publishing, Ltd., 2022.* Accepted June 6, 2022.
4. Sulfonyl-Benzoxazole Based 1,2,4-Oxadiazoles: Synthesis, In Vitro Antibacterial, Antibiofilm, and In Silico ADME Studies, ***K.Vidya****ISSN 1068-1620, Journal of Bioorganic Chemistry, 2022, Vol. 48, Suppl. 1, pp. S101–S109. © Pleiades Publishing, Ltd., 2022.,* Accepted March 24, 2022.
5. One-pot Synthesis of some Novel Xanthine Derived isonazoles as Potent Antibacterial Agents.***K. Vidya,*** *Indian Journal of Hetrococlic chemistry*, Vol. 30, 2020
6. Synthesis and Evaluation of Antibacterial and Anticancer Activities of Some New Benzoxazole – Piperazine – 1,2,3- Triazoles . ***K. Vidya*** *Indian Journal of Hetrococlic chemistry*Vol. 30 Number (Apr – Jun2020) 269-274.
7. A Facile Synthesis of Triazoloquinazolinone Derivatives as Potential A- glucosidase Inhibitors World Journal of Pharmaceutical Research *Suresh Poudapally, Venkateshwarlu Gurram, Ramesh Garlapati, Chiranjeevi Tulluri Pawan Kumar, Macharaju, Subhabrata Sen,* ***Vidya Katangoor***  Vol. 8, 2018, PP. 1005-1038.
8. Cu-free sonogashira type cross - coupling of 6- Halo - 2-cyclo propyl - 3- (pyridyl -3- yl- methyl Quinazolin -4 (3H) - ones as potential antimicrobial agents *Suresh Poudapally, Venkateshwarlu Gurram, Ramesh Garlapati, Chiranjeevi Tulluri, Uma Addepally,* ***K. Vidya*** *Somesh Sharma, Subhabrata Sen, and Narender Pottabathini. J. Heterocyclic Chem,2017*
9. Synthesis, characterization and antibacterial activity of (E)-4-((3-methyl-4-(methylsulfonyl) pyridin -2-yl) methoxy)-N'-(substitutedbenzylidene)benzohydrazide derivatives. *Swamy Saidugari,Lakshmana Razo,* ***Vidya.K****, Ram.B& Balram, Indian Journal of chemistry,56B, pp.177-182,2017 .* Vol.56B, February 2017, PP. 177-182
10. Synthesis of Novel Benzohydrazides Bearing 4-[3-mehtylsulfonyl) pyridin -2-yl] Moiety as Potential Antibacterial Agents *Swamy Saidugari, V. Lakshmana Rao,* ***K.Vidya****, B.Ram and Balram,*Vol.28,No.3(2016),PP.639-643
11. Synthesis, Characterization and Antimicrobial Evaluation of Novel (E)-N'-(4-1-((3,4-dimethoxypyridine-2-yl) methyl)-1H-1,2,3-triazol-4-yl) benzylidene)benzohydrazideDerivatives. *Swamy Saidugari, V. Lakshmana Rao,* ***K.Vidya****, B.Ram ,* Vol.32,No.(4):2016,PP.2155-2161
12. Synthesis and biological Evaluation of novel quinazoline- sulfonamides A Anticancer agents *Suresh Poudapally, Shankar Battu, Loka Reddy Velatooru, Murali Satyanarayana Sen, narender Pottabathinin, Vijaya Bhasker Reddy Iska,* ***Vidya. K****2017*
13. Green synthesis of 6-aryl-9-(3-pyridyl) [1,2,4] Triazolo [4,3-a] [1,8] Naphthyridines using FeCl3.6H2O in the solid state their Biological Activity *Indian journal of heterocyclic chemistry* *K. Mogilaiah, D. Hari Prasad and* ***K. Vidya*** *& S. Kavitha* Vol.25, July-sept.,2015, PP.47-54
14. Facile and Efficient synthesis of Novel 6-Aryl [1,8] naphthyridino [1',2':1,2] imidazo [4,5-b]phenazines in solvent- free conditions under microwave irradiation and their antibacterial activity *K. Mogilaiah, H.S. Babu, S. Karitha,* ***K.Vidya*** *Indian journal of chemistry,* Vol.25, Oct.-Dec.,2015,PP.105-108
15. Efficient synthesis of 9-Aryl-6-[3-(trifluoromethyl) Phenyl] [1,2,4] triazolo [4,3-a] [1,8]naphthyridines using thallium (III) acetate under microwave irradiation *Indian journal of heterocyclic chemistry* H. SHarath Babu, S.Kavitha & **K.Vidya** Vol.24, Jan.-March,2015,PP.309-314
16. Environmentally Benign Synthesis and Antibacterial Activity of 3- aryl-1-[3-(4-nitrophenyl) [1,8] Naphthyridin - 2- yl]- 1H-4- pyrazolecarbaldehydes *K. Mogilaiah, D. Hari Prasad and* ***K. Vidya****, Indian journal of heterocyclic chemistry,* Vol.24, July-sept., 2014, PP. 17-22
17. Microwave-enhanced Knoevenagel condensation catalysed by NH2SO3NH4 *Indian journal of chemistry,* *K. Mogilaiah*, H. SHarath Babu, **K.Vidya ,** K. Shiva Kumar**,**Vol.49B, March 2010,PP.390-393
18. Claisen-Schmidt condensation under solvent-free conditions *Indian journal of chemistry*, T Kumara swamy, A Vinay Chandra, N. Shrivani & **K.Vidya** ,Vol.49B, March 2010,382-385
19. Mild and efficient synthesis of 1,2,4-triazolo [4,3-a] [1,8] naphthyridines using FeCl3 in the solid state. *Indian journal of chemistry,K. Mogilaiah,* ***K.Vidya*** *& T. Kumara Swamy,*  Vol. 48B, April 2009,PP.599-601
20. Synthesis and antibacterial acticivity of 3-aryl-4-formyl-1-[3-(3-chlorophenyl)-1,8-naphthyridin-2-yl] pyrazoles, *Indian journal of chemistry, K. Mogilaiah, E. Anitha,* ***K.Vidya*** *& S. Kavitha & K. Shiva Kumar,*  Vol. 48B, February 2009, PP 282-285
21. Microwave-promoted rapid and efficient method for acetylation of phenols with acetic anhydride using NaF as catalyst under solvent-free conditions Oriental Journal of Chemistry, K. Mogilaiah, J. Uma Rani, **K.Vidya** & B.Sakram Vol. 25(1), 187-190 (2009)
22. Efficient synthesis of 6-aryl- 12 H-pyrido- [2',3':4,5]pyrimido [1,2-a][1,8]naphthyridin- 12-ones under microwave irradiation *Indian journal of chemistry, K. Mogilaiah, E. Anitha,* ***K.Vidya*** *& N.**Vasudeva Reddy ,* Vol. 46B, December 2007, PP. 2071-2073
23. Al2O3 catalyzed Fridlander synthesis of 1,8-naphthyridines in the solid state *Indian journal of chemistry, K. Mogilaiah &* ***K.Vidya*** Vol. 46B, October 2007, PP. 1721-1723
24. Synthesis of 1,8- Naphthyridinyl tetrachloro-phthalazine-1,4-Diones under Microwave irradiation Indian *journal of heterocyclic chemistry, K. Mogilaiah,* ***K.Vidya*** & *E. Anitha* Vol. 17, Oct.-Dec.,2007, PP.187-188
25. Synthesis and antibacterial activity of 1,3,4-oxadiazolyl-1,8-naphthyridines, *Indian journal of chemistry, K. Mogilaiah &* ***K.Vidya*** Vol. 45B, August 2006, PP. 1905-1908
26. Microwave assisted synthesis of novel mannich bases containing 1,8-naphthyridine moiety on a solid support under solvent-free conditions, *Indian journal of heterocyclic chemistry, K. Mogilaiah,Ch. Srinivas Reddy &* ***K.Vidya*** Vol. 14, Oct.-Dec. 2004, PP. 145-148
27. Efficient synthesis of 1,2,4-triazolo[4,3-a] [1,8] naphthyridines using nitrous acid under microwave irradiation, *Indian journal of chemistry,* *K. Mogilaiah, M. Prashanthi &* ***K.Vidya*** Vol. 43B, December 2004, PP. 2641-2645

**Conference Proceedings**

1. K.Mogilaiah\*, Ch. Venkanna, K.Vidya+, A. Nageswara Rao & P. Koteswara Rao,Hypervalent Iodine Mediated Solid State Synthesis and Biological Activity of 2-(2-substituted[1,8]naphthyridin-3-yl)-5-(substituted 2-thienyl)1,3,4-oxadiazoles. Page No. 106. Proceedings of the **“International Conference on Trend Setting Innovations in Chemical Sciences & Technology: Applications in Pharma Industry (TSCSTAPI 2015).”** Center for Chemical Sciences & Technology, Institute of Science & Technology, JNTUH Hyderabad, TS, India, 16-18 December, 2015.
2. Suresh Poudapallya,,c Subhabrata Sen b, K. Vidya. Pd catalyzed C-N Bond Forming Reaction of 6-Bromo—2-cyclopropyl-3-(pyridyl-3-ylmethyl)-4-quinazolin-(3H)-on at Room Temperature. Page No. 242. Proceedings of the **“International Conference on Trend Setting Innovations in Chemical Sciences & Technology: Applications in Pharma Industry (TSCSTAPI 2015).”** Center for Chemical Sciences & Technology, Institute of Science & Technology, JNTUH Hyderabad, TS, India, 16-18 December, 2015.
3. K.Vidya. Studies on Autibacterial Activity of 6-Aryl-9-(4-hydroxy-3 methory phenyl) -1,2,4 triazolo[4,3-a] [1,8] naphthyridines. Page No. 440442. Proceedings of the **“National Conference on Recent Trends in Science and Technology (NCRTST2015)”** JNTUH College of Engineering Jagtial, Nachupally, Karimnagar, TS, India, 25-26 February, 2015.

**Organized Conferences/Seminars/Symposia**

1. ***“A Two Day National conference on Recent Advances in Chemical and Pharmaceutical Sciences (NACRACAPS-2015)”*** Department of Chemistry, JNTUH College of Engineering Jagtial, Karimangar, TS, India April, 2015.

**Chairing Sessions in the Conferences/Seminars/Symposia**

1. Chaired a Session in **“National Conference on Recent Trends in Science and Technology (NCRTST-2015)”** JNTUH College of Engineering Jagtial, Nachupally, Karimnagar, TS, India, February 2015.

**Papers Presented in the Conferences/Seminars/Symposia**

1. **International Conference on** *“Trend Setting Innovations in Chemical Sciences & Technology: Nature Inspired Chemistry & Engineering (TSCST-NICE 2016)”* Center for Chemical Sciences & Technology (CCST), Institute of Science & Technology, JNTUH Hyderabad, October, **2016.**
2. **International Congress on** *“Recent Advances in Chemistry and Chemical Engineering (ICRACACE-16)”*, Department of Chemistry, JNT University, Hyderabad, July, **2016.**
3. **International Conference on** *“Trend Setting Innovations in Chemical Sciences & Technology: Applications in Pharma Industry (TSCST-API 2015)”* Center for Chemical Sciences & Technology (CCST), Institute of Science & Technology, JNTUH Hyderabad, December, **2015.**
4. **UGC sponsored national Symposium on**, “Emerging research trends & developments in chemistry”, department of chemistry, University Arts& Science College kakatiya University, Warangal, December 16&17th 2003.
5. **International conference**, on New Dimensions in chemistry and chemical Technologies Applications in Pharma Industry(NDCT-2014) center for chemical science and technology Institute of science & technology, JNTUH, Hyderabad-500085, Telangana State, India, June 23rd -25th,2014
6. **International conference,** Trend setting innovations in chemical sciences & technology nature inspired chemistry & engineering (TSCST-NICE 2016), sponsored by TEQIP-II, 4th to 6th October 2016 by Center for chemical science & technology, Institute of science and technology, Jawaharlal Nehru technological university Hyderabad-500085, telangana, india.
7. **UGC- SAP Sponsored National Conference on “Green chemistry**- An Innovation to sustainable development”, (GC-2010), 29th &30th March,2010, Department of chemistry, kakatiya University, Warangal-506 009
8. **UGC Sponsored National Seminar on “New vistas in chemistry during** 21st Century” 11th & 12th September 2009, Department of chemistry, Pingle Government college (UG & PG) for women, waddepally, Warangal-506 370.
9. **UGC Sponsored National seminar on,** environmentally benign synthetic methodologies in chemistry (EBSMC), 9th & 10th February, 2009, Department of chemistry, University arts& Science college, kakatiya university, Warangal 506 001.
10. **National seminar** on Novel polymers, Nanoscience and Green chemistry, Department of chemistry, kakatiya University, Warangal- 506 009 on February 23& 23, 2008.
11. **UGC Sponsored national symposium** “on Emerging trends in medicinal chemistry: India – A Global Hub” 2nd & 3rd February 2008, Department of chemistry- C.K.M. Arts & Science College, Affiliated to kakatiya University, Warangal.
12. **UGC sponsored national seminar** on, “Recent advanced in chemistry (RAC-2015) 30-31 march 2015, Department of chemistry, kakatiya University, Warangal
13. **University grand commission**, Sponsored New Delhi, Mahathma Gandhi University, Nalgonda, Department of chemistry & pharmaceutical science, one-day national seminar on 14th February 2015, Mahatma Gandhi University, Nalgonda, Department of Chemistry& Pharmaceutical Sciences.

**Participated in the Conferences/Seminars/Symposia (International-National)**

1. **Conducted by Center for chemicals science and technology Institute of science & technology (Autonomous) JNTUH, Hyderabad, Kuakatpally,** 1 one-day work shop on “Emerging trends in chemical sciences & technology,
2. **2nd international symposium on Drug discovery and process research (DDPR-2006)** 10th to 12th February 2006 at K.L.E Society college of Pharmacy, Karnataka.
3. **Center for chemical Science & Technology Institute of Science & Technology (Autonomous) JNTUH,** Hyderabad, TEQIP-II sponsored conducted by A Two-day national workshop on Technological advances in chemical sciences 14th & 15th September,2015