


Profile

Name of the Faculty	Dr. K.Shashikala	
Designation	Associate Professor	
Department	Freshman Engineering	
Area of Interest	Synthetic Organic Chemistry	
Subjects Taught	Engineering Chemistry, Environmental Science	
JNTUH Registration Id	54150402-101940	
College Staff Code	SC0162	
Official Mail	Shashi.fe@gcet.edu.in ,	

Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	Ph.D.	Organic Synthesis	JNTUH	2018
2	M.Sc.	Physical Chemistry	Andhra University	1994
3	B.Sc.	Maths, Physics, Chemistry	Kakatiya University	1992

Research Publications:

1	Synthesis of 2-cyclopropyl-3-(5-aryl-1H-pyrazol-3-yl)-1,8-naphthyridine and derivatives; Mallaiah Bucha, Giri Tharikoppula, Thirumala Chary Mariganti and Shashikala Kethireddy . <i>Organic and Medicinal Chemistry Letters</i> 2014, 4 :16; ISSN 21912858
2	Synthesis and Antibacterial Activity of Novel 5,6, 7,8-tetrahydroimidazo[1,2-a]pyrimidine-2-carbohydrazide Derivatives; Shashikala K , Thirumala Chary M and Laxminarayana E; <i>Chemistry Central Journal</i> , 2015, 9 :51; ISSN: 1752-153.
3	Synthesis and antibacterial activity of novel Imidazo[1,2-a]pyrimidin-2-yl)methylene)benzo hydrazides; Shashikala K , Thirumala Chary M and Laxminarayana E; <i>Indian Journal of Heterocyclic Chemistry</i> , 2015, 25 (4), 119; ISSN: 2456-4311 Print ISSN: 0971-1627.
4	A new facile and efficient synthesis of 2-((5-aryl -1,3,4-oxadiazol-2-yl)methoxy) -3-methyl quinoxaline and 3-methylquinoxalin-2-yl-2-(5-aryl-2Htetrazol-2-yl)acetate derivatives. Shashikala Kethireddy , Hemalatha Kotakommula, Laxminarayana Eppakayala and Thirumala Chary Mariganti, <i>European Journal of Chemistry</i> 8 (2) (2017) 125-129; ISSN 2153-2249
5	Conventional and Microwave assisted synthesis of quinoxaline carboxamide derivatives; K. Shashikala , E. Laxminarayana and M. Thirumala Chary <i>Asian Journal of Chemistry</i> 29 (11), 2017, 2463

6	A Facile Synthesis of N'-Arylidene-2-((7-bromo-2-methylpyrido[2,3-b]pyrazin-3yl) oxy) acetohydrazides; Hemalatha Kotakommula, Shashikala Kethireddy , Laxminarayana Eppakayala, Thirumala Chary Mariganti; Der Pharma Chemica, 2018, 10(2): 114-117; ISSN 0975-413X
7	Microwave Assisted Synthesis of 3-Chloro-N-(2-(5-chloro-1-tosyl-1H-benzo [d] Imidazol-2-yl) ethyl)-N-Substituted Quinoxalin-2-Amine Derivatives Using DCQX K.Shashikala , E.Laxminarayana, M. Ramesh, M.Thirumala Chary <i>Organic Chemistry Plus</i> 1 (2), 2020, 39; ISSN: 2717-5960 (Print) 2717-5979 (Online)
8	FeF ₃ mediated synthesis of 3,4-Dihydro-3-pyridyl-2H-Naphtha[2,1-E][1,3]oxazine derivatives; Shashikala K , Praveena D, Ramesh M and Laxminarayana E , <i>Heterocyclic Letters</i> 11(1), 59-62 2021; ISSN : (print) 2231–3087 / (online) 2230-9632
9	An efficient Synthesis of Novel Anti influenza Viral and Cytotoxic Derivatives of 4-oxothiazolidin-3-yl)-3-hydroxyquinoxaline-2-carboxamide: Shashikala Kethireddy , Thirumala Chary Mariganti, Srilalitha Sapram, AIP proceedings, 2021, 327.
10	Synthesis, Biological Evaluation and Docking studies of 1,2,4-Oxadiazole Linked 5-Fluorouracil Derivatives as Anticancer Agents Ravi Kumar B, Shashikala K , Rajeshwar Reddy G and Laxminarayana E <i>BMC Chemistry</i> 15 , 30 (2021) https://doi.org/10.1186/s13065-021-00757-y
11	Microwave assisted synthesis of Thieno(3,2-d) pyrimidine amino derivatives and their molecular docking studies;T.Giri, K. Shashikala , D. Ramesh M. Siddhartha and E. Laxminarayana;Indian Journal of Heterocyclic Chemistry, 2021, 31 (03), 397-404
12	Anti bacterial and anticancer activities of quinoxaline-2-carbohydrazideN-oxide compounds, Swarupa Ketha, Shashikala Kethireddy , Sudhakar Chithaluri, Laxminarayana Eppakayala, Materials today proceedings, 49(2022), 1804-1809.
13	Synergetic synthesis of (4-((E)-but-1-en-3-ynyl)-1-methyl-1H-indol-3-yl) o-tert-Butyl dimethyl silyl hydroxy methane , Ravi Kumar B, Kishore Kumar, M. Srinivas Reddy, Shashikala K and Laxminarayana E, Russian Journal of Chemistry, November 2021 (Accepted for publication)
14	Anti – cancer docking investigations of Quinoxaline phenyl thiazolidinones, Kethireddy, Shashikala , Ketha Swaroopa, Eppakayala Laxminarayana, Chinthluri Sudhakar, Vietnam Journal of Chemistry, November 2021 (Accepted for publication)
15	Synthesis and molecular docking studies of new aryl isoxazoles embodying chromenone, Bhargavi Lakshmi Jadimenu, Shashikala Kethireddy , Murali Malleli Laxminarayana Eppakayala, Materials today proceedings, March 2022. (Accepted for publication)

Books/Book Chapters Published:

S. No.	Publication details
1	“A Text-book of Engineering Chemistry” with ISBN 9789390394333, Pearson publishers.
2	“ Strategies in synthesis of N-heterocyclic compounds” with ISBN : 979-8885305372, Notion press.

Experience:

Teaching	20 Years
Industry	-
Research	10 Years
Total Experience	20 Years