

**Research Areas:**

Department offers Ph.D programme - Thrust Areas

- Organic synthesis (Heterocycles and Natural products)
- Coordination Chemistry
- Catalysis
- Thermodynamic excess properties
- Molecular modelling
- Computational Chemistry etc.

**Publications:**

Type	Total No. of Publications	Last 5 years No. of Publications
International		
National		

**Books:**

Type	Total No. of Books	Last 5 years No. of Books
International		
National		

**Projects:**

Type	Total No. of Projects	Last 5 years No. of Projects
Major	02	02
Minor		

## Last Five Year Publications

Sl.No	Title	Authors	Publication	ISSN / ISBN	DOI	Year
[1]	Synthesis and characterization of New Triazinane-2-Thione and Oxadiazinane 4-	Kumaraswamy *, Ravichander , Uma , Jagadeesh and <b>Brahmeshwari</b>	Novel approaches in Drug Designing and Development(NAPD D)	2575-8942		2017

	Thiones from Benzimidazole.					
[2]	Synthesis and antimicrobial activity of Benzimidazole fused 5-alkyl 1, 3, 5-Triazinane- 4-ones /1, 3, 5 oxadiazinane 4-one derivatives.	Kumaraswamy Gullapelli, <b>G.Brahmeshwari</b> , K.J agadeesh kumar and P.Bhaskar.	Asian. J. Research. Chem	0974-4169		2017
[3]	Synthesis, antibacterial and molecular docking studies of new benzimidazole derivatives	Kumaraswamy Gullapelli , M.Ravichander , Uma Kusuma, <b>G.Brahmeshwari</b>	Egyptian Journal of Basic and Applied Sciences	2314-808X		2017
[4]	Synthesis and antimicrobial activity of naphtha-[1,2-e][1,3]oxazines linked benzimidazole	B.Kishore, G Prasoona <b>G.Brahmeshwari</b>	Indian Journal of Chemistry	0975-0983		2017
[5]	TBBDA Catalyzed One-Pot Pseudo Four-Component Synthesis of Benzimidazolyl Chromino [2,3-D] Pyrimidines And Their Antimicrobial Activity	<b>G.Brahmeshwari</b> & B.Kishore	World Journal of Pharmacy And Pharmaceutical Sciences	2278-4357		2017
[6]	Synthesis of 1,3,5 Trazinane-2-ones and 1,3,5 Oxadiazinane-2-ones linked with Benzimidazoles	Kumaraswamy Gullapelli, M Ravi Chander , P. Bhaskar, K . Jagadeesh Babu, <b>G.Brahmeshwari</b>	Asian Jr Research Chem	0974-4169		2017
[7]	Synthesis and Antimicrobial Activity of benzimidazolyl oxazolyl thiazolidin-4-	B.Kishore& <b>G.Brahmeshwari</b>	Indian Journal of Chemistry	0975-0983		2018

	ones and azetidin-2-ones					
[8]	Synthesis and Antimicrobial Screening of Novel 4-(1H-BENZO[d]IMIDAZOL-2-YL)-8,9-DIARYL-1,6-DIOXA-4,7,9-TRIAZASPIRO[4,5]DEC-7-EN-3-ONES)	B.Kishore & <b>G.Brahmeshwari</b>	Heterocyclic Letters	2230-9632		2018
[9]	A Facile Synthesis of 1-Aryl Pyrroles by Clauson-Kaas Reaction using Oxone as a Catalyst under Microwave Irradiation	Kumaraswamy Gullapelli, <b>G.Brahmeshwari</b> , M Ravi Chander	Bull. Chem. Soc. Ethiop.	1011-3924	doi.org/10.4314/bcse.v33i1.14	2019
[10]	Synthesis and Antioxidant activity of New Thioxo Triazinane 2-one Derivatives	<b>G.Brahmeshwari</b> , K.Dhanaja, Kumaraswamy Gullapelli & T.Muralikrishna	Inter J of Pharmacy and Biological Sciences	0975-6299		2019
[11]	Synthesis of podophyllotoxin-glycosyl triazoles via click protocol mediated by silver (I)-N-heterocyclic carbenes and their anticancer evaluation as topoisomerase-II Inhibitors	Srinivas Nerella, Shravankumar Kankala & <b>Brahmeshwari Gavaji</b>	Natural product Research	1478-6419 (Print) 1478-6427 (Online)	10.1080/14786419.2019.1610958	2019
[12]	Synthesis of D-ring modified acid hydrazide derivatives of podophyllotoxin and their anticancer studies	Srinivas Nerella, Shravankumar Kankala, Suresh Paidakula & <b>Brahmeshwari Gavaji</b>	Bioorganic Chemistry	0045-2068	10.1016/j.bioorg.2019.103384	2020

	as Tubulin inhibiting agents					
[13]	Synthesis, Molecular Docking and Antitubercular Activity of New BI Heterocyclic Compounds on Benzimidazole Moeity	Dhanaja Kotte, Kumaraswamy Gullapelli, Ravichandran Maroju , Ramchander Merugu, <b>Brahmeshwari Gavaji</b>	Rasayan J.Chem	0976-0083		2020
[14]	Synthesis of novel benzo[4,5]imidazo[1,2-a]pyrimido-[4,5-d]pyrimidine derivatives as potent antimicrobial agents	G.Prasoona, B.Kishore& <b>G.Brahmeshwari</b>	Indian Journal of Chemistry	0975-0983		2020
[15]	An Efficient Synthesis , Anti inflammatory activity and Molecular Docking Studies of new Triazinanes and Iminothiazolidinones	Dhanaja Kotte, Kumaraswamy Gullapelli, <b>Brahmeshwari Gavaji</b> , Ramchander Merugu, Ravichandran Maroju	Research J.Pharma and Tech.	0974-3618	10.5958/0974-360X.2020.00836.7	2020
[16]	Green Synthesis of Chromene Congeners via Multi Component Reaction and their Antimicrobial studies	Rateesh Vanam, Vijaykumar Allam ,Srinivas Nerella& <b>Brahmeshwari Gavaji</b>	Chemistry Select	2365-6549		2020
[17]	A simple and efficient one-pot synthesis of novel benzimidazo[1,2-a]-chromeno[4,3-d]pyrimidinones catalysed by [Et <sub>3</sub> NH][HSO <sub>4</sub> ]	G.Prasoona, B .Kishore& <b>G Brahmeshwari</b>	Indian Journal of Chemistry	0975-0983		2020

[18]	Synthesis and Antimicrobial Evaluation of Benzimidazolyl Pyrimido[4,5-b] Quinolinones	G.Prasoona, B.Kishore & <b>G.Brahmeshwari</b>	Letters in organic chemistry	1570-1786	10.2174/1570178617999200602151152	2021
[19]	A Simple and Efficient Four-Component One-Pot Synthesis of Novel 2-Aryl-3 benzimidazolyl-3,4 dihydroimidazo- [4,5-b]indoles Catalyzed by Ceric Ammonium Nitrate in Aqueous Ethanol	G. Prasoona, B. Kishore, and <b>G. Brahmeshwari</b>	Russian Journal of Organic Chemistry	1070-4280	10.1134/S1070428021060166	2021
[20]	Synthesis, anticancer and antibacterial evaluation of novel (isopropylidene) Uridine-[1,2,3]triazole hybrids	Ranjith kumar Thatipamula, Sirassu Narsimha, Battula Kumaraswamy, V. Rajendra Chary, Estari Mamidala and <b>Nagavelli Vasudeva Reddy</b>	Journal of Saudi Chemical Society	1319-6103	doi.org/10.1016/j.jscs.2015.12.001	2017
[21]	Synthesis and biological evaluation of (3-aryl-1,2-oxazol-5-yl)methyl 6-fluoro-4oxo-4H-chromene-2-carboxylates as antioxidant and antimicrobial agents	Kumara swamy Battula, Sirassu Narsimha, <b>Vasudeva Reddy Nagavelli</b> and Mutheneni Srinivasa Rao	Journal of the Serbian Chemical Society	1820-7421	10.2298/JSC151222088B	2017
[22]	Design, synthesis and biological evaluation of novel substituted imidazo [2,1-a] isoindolium derivatives as antibacterial agents	Sirassu Narsimha, Kumara Swamy Battula, <b>Nagavelli Vasudeva Reddy</b>	Synthetic Communication	0039-7911	doi.org/10.1080/00397911.2017.1296960	2017

[23]	Synthesis and biological evaluation of novel thiomorpholine 1,1-dioxide derived 1,2,3-triazole hybrids as potential anticancer agents	Kumara Swamy Battula, Sirassu Narsimha, Ranjith Kumar Thatipamula, Yellu Narsimha Reddy and <b>Vasudeva Reddy Nagavelli</b>	Chemistry Select	2365-6549	doi.org/10.1002/slct.201700524	2017
[24]	Microwave-assisted one-pot synthesis of benzo[d] thiazole containing 1,2,3-triazoles by using organo catalytic reaction and their antibacterial activity	Sirassu Narsimha, Kumara Swamy B and <b>Vasudeva Reddy N</b>	Heterocyclic Letters	2231–3087		2017
[25]	Synthesis and Biological Evaluation of (N-(3-methoxyphenyl)-4-((aryl-1H-1,2,3-triazol-4-yl)methyl) thiomorpho line-2-carboxamide 1,1-Dioxide Hybrids as Antiproliferative Agents	Kumara Swamy B, Sirassu Narsimha, Ranjith Kumar T, Y Narsimha Reddy, and <b>Vasudeva Reddy N</b>	Chemistry Select	2365-6549	10.1002/slct.201701902	2017
[26]	One-pot synthesis of novel 1,2,3-triazole-pyrimido[4,5-c] isoquinoline hybrids and evaluation of their antioxidant activity	Sirassu Narsimha, Kumara Swamy B, and <b>Vasudeva Reddy N</b>	Synthetic Communication	0039-7911	doi.org/10.1080/00397911.2018.1440315	2018
[27]	Microwave-assisted Cu-catalyzed C–C bond formation: one-pot synthesis of fully substituted 1,2,3-triazoles using nonsymmetrical	Sirassu Narsimha, Kumara Swamy B, Yellu Narsimha R and <b>Vasudeva Reddy N</b>	Chemistry of Heterocyclic Compounds	0009-3122	DOI 10.1007/s10593-019-02408-6	2018

	iodoalkynes and their biological evaluation					
[28]	Synthesis, antiproliferative and antibacterial activity of novel Phenothiazine-[1, 2, 3] triazole hybrids	Sirassu Narsimha, Y N Reddy, <b>Vasudeva Reddy N</b>	Asian Journal of Pharmacy and Pharmacology	2455-2674	doi.org/10.31024/ajpp.2019.5.6.14	2019
[29]	Design, Synthesis and in vitro Anticancer Evaluation of New 2H-benzo[b][1,4]thiazin-3(4H)-one Based 1,2,3-Triazoles.	O Rajender, Sirassu Narsimha, <b>Vasudeva Reddy N.</b>	Asian J. Chem.	09760083	doi.org/10.14233/ajchem.2019.22223	2019
[30]	Environmentally Benign Synthesis of (1-Aryl-1H-1,2,3-triazol-4-yl)methyl 6-fluoro-4-oxo-4H-chromene-2-carboxylate Derivatives as Potent Anticancer Agents.	Sirassu Narsimha, N. <b>Vasudeva Reddy</b>	Indian. J. Hetero. Chem.	0971-1627		2019
[31]	Design, synthesis and biological evaluation of novel 1,2,3-Triazole based Xanthine derivatives as DPP-4 inhibitors.	Sirassu Narsimha, Kumara Swamy Battula, M Ravinder, Y N Reddy, and <b>Vasudeva Reddy Nagavelli,</b>	J. Chem. Sciences.	0973-7103	doi.org/10.1007/s12039-020-1760-0	2020
[32]	One-pot synthesis and biological evaluation of novel 4-[3-fluoro-4-(morpholin-4-yl)]phenyl-1H-1,2,3-triazole derivatives as potent antibacterial and anticancer agents.”	Sirassu Narsimha, Satheesh Kumar Nukala, Savitha Jyostna T, Ravinder M, Srinivasa Rao M, <b>Vasudeva Reddy N</b>	J. Hetero. Chem.	1943-5193	doi.org/10.1002/jhet.3890	2020
[33]	One Pot Synthesis and Antitumor Activity of Isoxazole-Pyrimido[4,5-c]isoquinolines.	E. Venkatesh, S. Narsimha, N. S. Kumar, <b>N. V. Reddy.</b>	Russ. J. Gen. Chem.	1070-3632	doi.org/10.1134/S107036322	2020

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[34]	Microwave-assisted One-pot Synthesis of [1,2,3]Triazolo[4',5':4,5]Pyrano[2,3-d]pyrimidines and their Biological Evaluation.	Egurapu Venkatesh, Sirassu Narsimha, <b>Nagavelli Vasudeva Reddy</b> .	Indian. J. Hetero. Chem.	0971-1627	Connec tjournal s.com/0 1951.2 021.31. 125	2021
[35]	Synthesis and Biological Evaluation of Novel Fused[1,2,3]Triazolo[4',5':3,4] pyrrolo[2,1-f]purines as Potent Anti-Proliferative Agents.	E. Ramya Sucharitha, N. Satheesh Kumar, M. Ravinder, <b>N. Vasudeva Reddy</b> , Sirassu Narsimha,	Russ. J. Bioorg. Chem.	1068-1620	doi.or g/10.1 134/S 10681 62021 04020 8	2021
[36]	One-pot synthesis of sulfonyl-1H-1,2,3-triazolyl-thiomorpholine 1,1-dioxide derivatives and evaluation of their biological activity.	Rakesh Sreerama, Narasimha Swamy T, Ravinder M, <b>Vasudeva Reddy N</b> , Sirassu Narsimha	Phosphorus, sulfur, and silicon and the related elements	1042-6507	doi.or g/10.1 080/1 04265 07.20 20.18 54257	2021
[37]	Regioselective synthesis of some new 1,4-disubstituted sulfonyl-1,2,3-triazoles and their antibacterial activity studies	N. S.Thirukovela, S.Kankala, R.Kankala, C. S. Vasam, S. B. Jonnalagadda, and <b>Ravinder Vadde</b> ,	Med Chem Res	1054-2523	doi.or g/10.1 007/s 00044 -017- 1926- 6	2017
[38]	Efficient synthesis of amides from benzoic acids and aryl isothiocyanates using K <sub>2</sub> HPO <sub>4</sub>	T. Swamy, P. Raviteja, B. V. Subba Reddy, <b>V. Ravinder</b>	ChemistrySelect	2365-6549	doi.or g/10.1 002/sl ct.201 70158 0	2017
[39]	Synthesis and antimicrobial evaluation of N-Mannich Bases of 1,	B. Badru, G. Hanmanthu	Indo-American Journal of Pharmaceutical Sciences	777-783		2017



	4 - Dihydropyrimidens bearing Benzimidazole					
[40]	Synthesis and Evaluation of Benzothiazolyl - pyrazoline derivatives as potential anticancer agent	M. Shilpa and G. Hanamanthu	Int. Journal of Pharmacy and Biological Sciences.	173-181		2017
[41]	Synthesis of novel pyrazolo[3,4-d]pyrimidin [3,4-a] thiazoidinones	Mood Shilpa Dr. G. Hanmanthu	Review of Research	page 64-69		2018
[42]	Synthesis of novel fluorophenylpyrazolepic olinamide derivatives and determination of their anticancer activity	Shravankumar Kankala , Koteswar Rao Rama , Chekrapani Kesari , Fredrik Björkling , Srinivas Nerella , Prasad Gundepaka , <b>Hanmanthu Guguloth</b> & Nirranjan Thota	Synthetic Communications	0039-7911	<a href="https://doi.org/10.1080/00397911.2020.1791341">https://doi.org/10.1080/00397911.2020.1791341</a>	2020
[43]	Cu(I)-Catalyzed One-Pot Regioselective Synthesis of 1,2,3-Triazole-Mercapto-benzimidazole Hybrids and their in vitro Anticancer Evaluation	Uma Boda, Veeranna Guguloth, <b>Hanumanthu Guguloth.</b>	Indian Journal of Heterocyclic Chemistry	0971-1627		2021
[44]	Synthesis of substituted 5-phenyltriazolyquinazolinylnitric acid esters and its derivatives compound	M. Shilpa and G. Hanmanthu	Russian journal of General Chemistry (Communicated)			2021
[45]	synthesis, antibacterial and anti bio-film activity of some new 1,2,3 triazoles on benzoxazole nucleus	M. Shilpa, B. Uma and G. Hanmanthu	Heterocyclic Letters	ISSN : 2231-3087		2021

[46]	Synthesis and Anticancer activity of Novel Oxadiazole Functionalized Pyrazolo[3,4-b] pyridine	M. Shilpa and G. Hanmanthu	Asian Journal of Chemistry			2021
[47]	The study of thermo-physical properties of binary liquid mixtures of Ethyl acetoacetate with 1-Alkanols at Temperature 303.15 K.	<b>T. Savitha Jyostna</b> , G. Ramesh, D. Sreenu, B. Satheesh	Rasayan Journal of Chemistry	09760083	10.31788/RJC.2018.1132041	2018
[48]	The study of thermo-physical properties of binary liquid mixtures of isoamyl alcohol with amines at 298.15–308.15 K.	<b>T. Savitha Jyostna</b> , B. Satheesh, D. Sreenu, G. Ramesh, and E. Jayanthi Rani.	Physics and Chemistry of Liquids	0031-9104	doi.org/10.1080/0319104.2019.1594226	2019
[49]	Physical-Chemical Properties of Binary Liquid Mixtures of Isoamyl Alcohol with Chloroethanes at 298–308 K.	<b>T. Savitha Jyostna</b> , B. Satheesh, D. Sreenu, G. Ramesh, G. Sowjanya, R. Suresh	Russian Journal of Physical Chemistry A	0036-0244	doi.org/10.1134/S0036024419020249	2019
[50]	Thermodynamic and spectroscopic studies of intermolecular interactions between isoamyl alcohol and monocyclic aromatic non-ideal binary liquid mixtures.	<b>T. Savitha Jyostna</b>	Chemical Data Collections	2405-8300	10.1016/j.cdc.2020.10.0448	2020
[51]	Thermophysical and thermodynamic properties of benzyl acetate with alkyl acetate non-ideal binary systems	<b>T. Savitha Jyostna</b> , D. Sreenu, B. Satheesh, R. Suresh, G. Sowjanya,	Russian Journal of Physical Chemistry A	0036-0244	10.1134/S0036024421050228	2021

[52]	Interpretation of hydrogen bonding formation through thermodynamic, spectroscopic and DFT studies between isoamyl alcohol and benzyl alcohol at T = (293.15 to 318.15) K.	B. Satheesh, D. Sreenu, M. Chandrasekhar. <b>T. Savitha Jyostna</b>	Journal of Molecular Liquids	0167-7322	10.1016/j.molliq.2020.113942	2020
[53]	Thermodynamic Studies on Non-Ideal Binary Mixtures of Isoamyl Alcohol and Various Alkanol at 298.15 to 308.15 K.	B. Satheesh, D. Sreenu, <b>T. Savitha Jyostna</b>	Journal of Solution Chemistry	0095-9782	10.1002/sol.1953-020-01048-1	2021
[54]	Volumetric and spectroscopic properties of binary liquid mixtures of isopentyl alcohol with butylamine at T = (288.15- 333.15) K	B. Satheesh, <b>T. Savitha Jyostna</b>	J. Chem. Thermodynamics	0021-9614	doi.org/10.1016/j.jct.2021.106508	2021
[55]	Hypervalent iodine mediated solid state synthesis and biological activity of some new 1-[(5-aryl-1,3,4-oxodiazole-2-yl)methyl]-3-(4-nitrophenyl)-1,2-dihydro[1,8]naphthyridin-2-ones	K. Mogilaiah*, D. Hari Prasad, A.Nageswara Rao, <b>S. Jyothi &amp; H. Ramesh Babu.</b>	Indian Journal of Chemistry	0975-0983		2017
[56]	Acetylation of Phenols, Alcohols and Amines Catalyzed by Mono Ammonium Salt of 12-Tungstophosphoric acid under Ambient Conditions	Nampally Rajitha , Banothu Jeevanlal, <b>Sunkari Jyothi</b> and Bhongiri Yadagiri	Journal of Applicable Chemistry	2278-1862		2019

[57]	Synthesis, Analysis of H-bonding Interactions, Molecular Docking Studies and Biological Activity Investigations of Molecular Salt formed between the Drug Sulfathiazole and p-Toluenesulfonic acid	<b>Sunkari Jyothi,*</b> Bhagavatham Radhika, Banothu Jeevanlal	Journal of Applicable Chemistry	2278-1862		2019
[58]	Synthesis, characterization and antibacterial activity of Cobalt(II), Nickel(II), Copper(II), Zn(II) and cadmium(II) complexes with a new hexadentate N4O2 ligand	<b>Sunkari Jyothi,*</b> E. Ram Reddy, B. Radhika and B. Jeevanlal	Journal of Applicable Chemistry	2278-1862		2019
[59]	Antimicrobial applications of Cadmium (II) complexes derived from substituted 1, 8-Naphthyridines: Synthesis, Characterization and effect on Bacterial strains	<b>Sunkari Jyothi*</b> and B. Radhika	Journal of Applicable Chemistry	2278-1862		2019
[60]	A highly active dispersed copper oxide phase on calcined Mg <sub>9</sub> Al <sub>2.7</sub> -Ga <sub>2.3</sub> O <sub>2</sub> catalysts in glycerol hydrogenolysis	Harisekhar Mitta*, Nagaraju Devunuri, <b>Jyothi Sunkari</b> , Suresh Mutyala , Putrakumar Balla , Vijayanand Perupogu,	Catalysis Today	0920-5861	doi.or g/10.1 016/j. cattod .2020. 02.03 2	2021
[61]	Synthesis of Perovskite via Redox & Sol-Gel Techniques and their Photocatalytic Applications	Jeevanlal Banothu, Suman Banothu and <b>Jyothi Sunkari*</b>	GIS science journal	1869-9391		2020

[62]	Fabrication of Nano Clay Intercalated Polymeric Microbeads for Controlled Release of Curcumin	Dharmender Pallerla, Suman Banoth, <b>Sunkari Jyothi</b>	International Journal of Applied Pharmaceutics	9757058		2021
[63]	Synthesis, Characterization and Photocatalytic studies of cation (Ag <sup>+2</sup> and Sn <sup>+2</sup> )doped Na <sub>1.5</sub> Zn <sub>0.75</sub> Ti <sub>2.75</sub> O <sub>7</sub>	<b>Sunkari Jyothi*</b> , B. Jeevanlal, Dharmender Pallerla, B.Suman	Rasayan Journal of Chemistry	09760083	doi.org/10.31788/RJC.2021.1436419	2021
[64]	Synthesis, Single crystal X-ray Diffraction, NLO and DFT studies of centrosymmetric 4-amino-3,5-dimethyl-1H-pyrazole citrate salt	B. Radhika, J. Prashanth, Srinivas Basavoju, <b>S. Jyothi*</b> , B.Venkatram Reddy,*	Molecular Physics (Under Revision)	0026-8976		2021
[65]	Synthesis, structural, spectroscopic, anti-cancer activity and molecular docking study on novel 2-[(Anthracene-9-ylmethylene)amino]-2-methylpropane-1,3-diol using XRD, FTIR, NMR, UV-Vis spectra and DFT.	Pogaku Pavitha, Jyothi Prashanth, Ramu Guda, Gaddam Ramesh, <b>Mamatha Kasula*</b> , Venkatram Reddy Byru	Journal of Molecular Structure	222860	doi.org/10.1016/j.molstruc.2017.06.095	2017
[66]	Design, synthesis and biological evaluation of 8-substituted-6-hydrazoneindolo[2,1-b]quinazolin-12(6H)-one scaffolds as anti-oxidant and cytotoxic agents: molecular docking studies on IDO-1	Ramu Guda, Rajashekar Korra, Siripi Reddy Balaji, Rambabu Palabindela, Rakesh Earla, Harikiran Lingabathula, Narsimha Reddy Yellu, Girijesh Kumar	Bio-organic & Medicinal Chemistry Letters	0960-894X	10.1016/j.bmcl.2017.08.064.	2017

		and <b>Mamatha Kasula*</b>				
[67]	EGFR, HER2 target based molecular docking analysis, in vitro screening of 2, 4, 5- trisubstituted imidazole derivatives as potential anti-oxidant and cytotoxic agents.	Ramu Guda, Girijesh Kumar, Rajashekar Korra, Siripi Reddy Balaji, Govindu Dayakar, Rambabu Palabindela, Prabhakar Myadaraveni, Narsimha Reddy Yellu and <b>Mamatha Kasula*</b>	Journal of Photochemistry and Photobiology B: Biology,	1389-5567	10.1016/j.jphotobiol.2017.09.010	2017
[68]	Pyridyl substituted triazole appended naphthalenediimide derivatives	Girijesh Kumr, Ramu Guda, Ahmad Husain, Ranjan Patra, Kirandeep and Mamatha Kasula*	Journal Of Photochemical and Photobiological Sciences.	1474-9092	doi.org/10.1039/C9PP00003H	2019
[69]	Green synthesis of nano-titania (TiO <sub>2</sub> NPs) utilizing aqueous Eucalyptus globulus leaf extract: applications in the synthesis of 4H-pyran derivative	Siripireddy Balaji, Ramu Guda, Badal Kumar Mandal, <b>Mamatha Kasula</b> , Eethamukkala Ubba & Fazlur-Rahman Nawaz Khan	Research on Chemical Intermediates	1568-5675	doi.org/10.1007/s11164-018-03720-0	2019
[70]	Spectroscopic, SOD, anticancer, antimicrobial, molecular docking and DNA binding properties of bioactive VO(IV), Cu(II), Zn(II), Co(II), Mn(II) and Ni(II) complexes obtained from 3-(2-hydroxy-3-methoxybenzylidene)pentane-2,4-dione.	A. Sakthivel , B Thangagiri , N. Raman , J. Joseph , Ramu Guda , <b>Mamatha Kasula &amp; L. Mitu</b>	Journal of Biomolecular Structure and Dynamics	1538-0254	doi.org/10.1080/07391102.2018.01508	2020
[71]	Synthesis, characterization, and	Kirankumar Shastrala, Sirisha Kalam * ,	Futur J Pharm Sci	2314-7253	10.1186/s4	2021

	Pharmacological evaluation of some metal complexes of quercetin as P-gp inhibitors	Kumaraswamy Damerakonda, Sharvana Bhava Bandaru Sheshagiri, Hitesh Kumar, Ramu Guda, <b>Mamatha Kasula*</b> and Satish Kumar Bedada			3094-021-00252-0	
[72]	Anthracene and 1,8-naphthalimide aminothiazole hybrids: Synthesis, Antimicrobial activity and Molecular Docking Studies	Rambabu Palabindela, Prabhakar Myadaraveni, Devendar Banothu, Rajashekar Korra, Himabindhu Mekala, <b>Mamatha Kasula*</b>	Oriental Journal of Chemistry	2231-5039	doi.org/10.13005/ojc/380117	2022
[73]	Molecular docking investigations of thiosemicarbazone Cu(II) and Zn(II) metal complexes against EGFR, HER2 and IKK- $\beta$ target proteins: Synthesis, characterization and biological screening	2) Himabindhu Mekala, Rambabu Palabindela, Prabhakar Myadaraveni, Devendar Banothu, Gangalla Ravi, <b>Mamatha Kasula*</b>	Rasayana Journal of Chemistry ( Accepted )	09760083		2022
[74]	Novel tryptanthrin hybrids bearing aminothiazoles as potential EGFR inhibitors: Design, synthesis, biological evaluation and molecular docking studies	Rambabu Palabindela, Ramu Guda, Prabhakar Myadaraveni, Devendar Banothu, Rajashekar Korra, Himabindhu Mekala, <b>Mamatha Kasula*</b>	Journal of Heterocyclic Chemistry ( Accepted )	1943-5193		2022
[75]	Correlation analysis in the reactions of benzyl bromide with cyclic amines.	<b>S.Ranga Reddy</b> and P.Manikyamba	Int.J.Res.Cul. Soc.	2455-0620		2017

[76]	Synthesis, Spectral Studies and Antibacterial activities of N, N -bis(o-hydroxybenzaldehyde) phenylenediamine Complexes of Cobalt(II), Nickel(II), Copper(II), and Zinc(II)	<b>S.RangaReddy</b> , A.Sanjeev, B.Rambabu, R.Rohini, A.KrishamRaju, P.Muralidhar Reddy	Int.J.Res.Cul. Soc.	2455-0620		2017
[77]	Synthesis, Characterisation and in vitro Anticancer studies of New Co(II), Ni(II), Cu(II) and Zn(II) complexes of (E) - 4 - ((Quinoline - 8 -ylimino)methyl) benzene-1 ,2,3-triol Ligand	<b>S.RangaReddy</b> , A.Sanjeev, N.NareshReddy, R.Rohini, M.KumaraSwamy, P.Muralidhar Reddy.	Asian Journal of Organic & Medicinal Chemistry	2456-8937	10.14 233/ajomc.2021.AJOMC-P345	2021