

List of Publications of Department of Chemistry 2022-2023

Sl. No	Name of the author/s	Title of paper	Name of journal	Year, Volumes. Issuee	ISSN number	Impact factor	Link to the recognition in UGC enlistment of the Journal
1	4	3	6	7	8	9	10
1	K. Masula , P. Sreedhar, P. V. Kumar, Y. Bhongiri, S. Pola, Manohar Basude*	Synthesis and characterization of NiO–Bi ₂ O ₃ nanocomposite material for effective photodegradation of the dyes and agricultural soil pollutants	Materials Science in Semiconductor Processing	160 (2023) 107432	1369-8001	4.10	https://doi.org/10.1016/j.mssp.2023.107432
2	R. Gade, Manohar Basude, N. B. Simhachalam, Rama Devi V, S. Pola and P.Chetti	Synthesis of titanates for photomineralization of industrial wastewater and organic pollutants	Environ. Sci.: Water Res. Technol.,	8 (2022) 3065	2053-1419	5.00	DOI: 10.1039/d2ew00469k
3	R. Vallavoju, R. Kore, P. Radhika, M. Subburu, R. Gade, M. Basude, Someshwar Pola, P. Chetti	Enhanced piezo-photocatalytic properties of new salophen based Ti (IV) complexes	Inorganic Chemistry Communications	148 (2023) 110272	1387-7003	3.80	https://doi.org/10.1016/j.inoche.2022.110272

4	Dharmasothu Veeranna, Lakavath Ramdas, Guguloth Ravi, Sushmitha Bujji, Vishnu Thumma, and Jadav Ramchander	Synthesis of 1,2,3-Triazole Tethered Indole Derivatives: Evaluation of Anticancer Activity and Molecular Docking Studies	Chemistry Select	2022	2365-6549	2.307	e WWW under https://doi.org/10.1002/slct.202201758
5	Dharmasothu Veeranna1, Lakavath Ramdas1, Guguloth Ravi1, Vishnu Thumma, Jadhav Ramchander	Synthesis, Evaluation, And Molecular Docking Studies of Novel 1, 2, 3-Triazole Tethered Indole Hybrid Derivatives as Potent Anti-Cancer Agent	Heterocyclic Letters	-January 2023	2230 - 9632	0	http://heterolletters.org
6	V. Anjaneyulu, V. Krishnaiah, K. Vermeire and P. Leelavathi	Microwave-assisted one-pot multicomponent synthesis of 2-(-4-oxo-2-(1-(2-oxo-2h-chromen-3-yl) ethylidene) hydrazono)thiazolidin-5-yl) acetic acid derivatives and their antiviral activity	J Heterocyclic Chem.	2022, 1, 1-12		2.1	
7	K. Rajeshwari, P.Vasantha B.Sathish Kumar, P.V.Anantha Lakshmi	Nickel–Metformin Ternary Complexes: Geometrical, Thermal, DNA Binding, and Molecular Docking Studies	Biological trace element research	2022	1559-0720	4.081	https://doi.org/10.1007/s12011-022-03100-1
8	B.Shekhar, K.Rajeshwari, B.Jayasree, P.V.Anantha Lakshmi	Novel metformin complexes: Geometry optimization, non-isothermal kinetic parameters, DNA binding, on–off light switching and docking studies	Applied organometallic Chemistry	2022 36(4)	0268-2605	4.105	https://doi.org/10.1002/aoc.6601
9	K.Venkateswarlu, A.Rambabu, D.Shiva Shankar, P.V.Anantha Lakshmi, Shivaraj	A Treatise on Furan Cored Schiff Base Cu(II), Ni(II) and Co(III) Complexes Accentuating Their Biological Efficacy: Synthesis, Thermal and Spectroscopic Characterization, DNA Interactions,	Chemistry and biodiversity	2022 19(3)	1612-1880	2.745	https://doi.org/10.1002/cbdiv.202100686

		Antioxidant and Antibacterial Activity Studies					
10	K. Rajeshwari, P. Vasantha, B. Shekhar, P. V. Anantha Lakshmi	Metformin-Derived Water-Soluble Cobalt Complexes: Thermal, Spectroscopic, DNA Interaction, and Molecular Docking Studies	Applied Biochemistry and Biotechnology	2022 194	0273-2289	3.094	https://doi.org/10.1007/s12010-022-03862-3
11	Lakshmi Madhuri Peddada, Someswar Rao Sagurthi, Vijaya Charan Guguloth Ratnamala Annapragada, and Phani Raja Kanuparth*	Visible Light Driven Photodegradation of Pathological Effluents and Biological Evaluation of Green ZnO Nanoparticles	Materials Science inc. Nanomaterials & Polymers Chemistry Select	Chemistry Select 2022, 7, e202200146 (11 of 11)		2.307	doi.org/10.1002/slct.202200146
12	P. Sailaja Kumari a, G. Vijaya Charan a,*, D. Ravi Kumar b	Synthesis, structural, photocatalytic and anti-cancer activity of Zn doped Ni nano chromites by citrate gel auto combustion method	Inorganic Chemistry Communications	Inorganic Chemistry Communications 139 (2022) 109393		2.495	https://doi.org/10.1016/j.inoche.2022.109393
13	D. Ravi Kumar, Ch Abraham Lincoln, G. Vijaya Charan, Gugulothu Thara, D. Ravinder, M. Veeraswamy, Pallati Naresh	Study of photo catalytical, antimicrobial activity, dielectric and ac impedance properties of Zn doped Mg nanoferrites synthesized from citrate gel auto combustion method	Materials Chemistry and Physics	Materials Chemistry and Physics 278 (2022) 125648		4.56	https://doi.org/10.1016/j.matchemphys.2021.125648
14	P. Sailaja Kumari ¹ · D. Ravi Kumar ² · G. Vijaya Charan ¹ · Someswar Rao Sagurthi ³	Structural, photocatalytic, and anticancer activity Ni-substituted Cu nanochromites synthesized by citrate gel auto-combustion method	Chemical Papers	77, Pages 4727-4745 (2023)	77, Pages 4727-4745 (2023)	2.2	https://doi.org/10.1007/s11696-023-02798-0

15	Sravanthi Maddikayala Kavitha Bengi, Saritha Reddy Pulimamidi	DNA binding, cleavage, molecular docking, antimicrobial and anticancer activities of Cr(III), Fe(III), Co(II), and Cu(II) complexes of o-vanillin and fluorobenzamine Schiff base ligand	Applied Organometallic Chemistry	Volume 36, Issue 10 / e6839,2022	1099-0739	4.105	https://doi.org/10.1002/aoc.6839
16	Kotesch Kumar Mandari, Hari Padmasri Aytam, Shirisha Varimalla, Vijay Kumar Velisoju, Venugopal Akula	Evaluation of in-situ formed La ₂ O ₃ -TiO ₂ -La ₂ O ₂ CO ₃ nanocomposite photocatalyst for H ₂ production	International Journal of Hydrogen Energy	47 (2022) 17214-17223	0360-3199	7.139	
17	Manasa Kandula, Naresh Gutta, Kalpana Manda, Vijayanand Perupogu, Hari Padmasri Aytam*, Venugopal Akula*.	Rice husk ash derived SiO ₂ for template free synthesis of H-ZSM-5 support for Ni catalyst: Investigation on non-oxidative CH ₄ cracking for clean H ₂ production.	Catalysis Surveys from Asia	36(2) 2022	1571-1013	2.964	
18	Reema Sarkari , Kotesch Kumar Mandari , Sudhakar Medak , Kishore Ramineni, Hari Padmasri Aytam,* and Venugopal Akula	Synthesis of 2-Methylpyrazine Using Crude Glycerol over Zn-Cr-O Catalyst: A Value Addition Process for the Utilization of Biodiesel By-Product	Catalysts	2023, 13, 318	2073-4344	3.9	
19	Komal N. Patil, P. Manikanta, Rohith Rangnath Nikam, Puneethkumar M. Srinivasappa, Arvind H. Jadhav, Hari Padmasri Aytam, Kamaraju Seetha Rama Rao, Bhari Mallanna Nagaraja	Effect of precipitating agents on activity of co-precipitated Cu–MgO catalysts towards selective furfural hydrogenation and cyclohexanol dehydrogenation reactions	Results in Engineering	17 (2023) 100851	2590-1230	4.059	

20	Manasa Kandula, Naresh Gutta, Kalpana Manda, Vijayanand Perupogu, Hari Padmasri Aytam*, Venugopal Akula*.	Rice husk ash derived SiO ₂ for template free synthesis of H-ZSM-5 support for Ni catalyst: Investigation on non-oxidative CH ₄ cracking for clean H ₂ production.	Catalysis Surveys from Asia	36(2) 2022	1571-1013	2.964	
21	ST Leena Carlin, S. Sreekanth, DA Padmavathi and B. Sireesha	Equilibrium, DNA binding, docking, and antimicrobial studies of Ni(II) and Cu(II) chelates with 1-(4'-nitrobenzoyl)-3-thiosemicarbazide.	Applied Organometallic Chemistry	36(12), Dec, 2022	0268-2605	4.072	https://doi.org/10.1002/aoc.6877
22	Alishala Ashok, Banoth Sonyanaik , Boda Sakram	Green synthesis of substituted 1,8-naphthyridin-thiazole scaffolds, molecular docking studies and biological evaluation. 2023	Research on Chemical Intermediates,	JAN, 2023		3.3	doi: org/10.1007/s11164-022-04951-y
23	Kurumanna Adem, Sakram Boda, Rambabu Sirgamalla& Ramesh Macha	Synthesis, antimicrobial activities of novel 3-chloro-4-(2,4-difluorophenyl)-1-(3-aryl-1,8-naphthyridin-2-yl)azetidin-2-ones and 2-(2,4-difluorophenyl)-3-(3-aryl-1,8-naphthyridin-2-yl)thiazolidin-4-ones.	Synthetic communications	2022	ISSN: 0039-7911	2.17	https://doi.org/10.1080/00397911.2022.2045321
24	Ravi kumar Shekunti, Swathi Thangallipalli , Chiranjeevi Dhonthulachitty, Sridhar Reddy Kothakapu, Padmavathi Devarakonda Annapurna Padmavathi, Chandra Kiran Neella	N-Benzoyl-4-Dimethylaminopyridinium Chloride: A Lewis Base Adduct For Efficient Poly And Monobenzoylation,	ChemistrySelect	20227, e202202636 (1-4)	Online ISSN:2365-6549	2.307	DOI: 10.1002/202636

25	Leena Carlin Sandhepogu Thomas, Sree Kanth Sivan, Annapurna Padmavathi Devarakonda and Sireesha Berley	Equilibrium, DNA binding, docking and antimicrobial studies of Ni(II) and Cu(II) chelates with 1-(4'-nitrobenzoyl)-3-thiosemicarbazide.	Applied Organometallic Chemistry	2022	02682605, 10990739	4.072	DOI: 10.1002/aoc.6877
26	Sridhar Reddy Kothakapu & D. S. Ramakrishna Ravi Kumar Shekunti, Annapurna Padmavathi Devarakonda	Efficient green synthesis of a potential novel nosylation reagent and its DFT study	Journal Phosphorus, Sulfur, and Silicon and the Related Elements,	2023, 2191960	Taylor and Francis	1.052	https://doi.org/10.1080/10426507.2023.2191960
27	Ravi kumar Shekunti, Swathi Thangallipalli , Chiranjeevi Dhonthulachitty, Sridhar Reddy Kothakapu, Padmavathi Devarakonda Annapurna, Chandra Kiran Neella	N-Benzoyl-4-Dimethylaminopyridinium Chloride: A Lewis Base Adduct For Efficient Poly And Monobenzoylation,	ChemistrySelect	20227, e202202636 (1-4)	Online ISSN:2365-6549	2.307	DOI: 10.1002/202636
28	Keshavulu Masula, Sreedhar P, Vijay Kumar P, Yadagiri Bhongiri, Someshwar Pola, Manohar Basude.	Evolution of Photocatalytic Properties of NiO-Bi ₂ O ₃ Nanocomposite Material and comparison with pristine Oxides for visible light-induced efficient photocatalytic removal of dyes and agricultural soil pollutants.	Materials Science in Semiconductor Processing	160, 107432, 2023		4.1	https://doi.org/10.1016/j.mssp.2023.107432
29	Sundarpal Vudutha, Shashikanth Boddu, Rajitha Nampally, Yadagiri Bhongiri*	Synthesis, Spectroscopic Characterization, DNA binding and DFT/PCM calculations of New Hydrogen-bonded Charge Transfer complex between 4-Dimethylaminopyridine and Chloranilic acid.	Result in Chemistry	5, 100694 2023		2.3	https://doi.org/10.1016/j.rchem.2022.100694

30	Tai-Yue Li, Ming-Kang Ho, Tus-En Hsu, Hsin-Hao Chiu, Kuan-Ting Wu, Jen-Chih Peng, Chun-Ming Wu, Ting Shan Chan, B Vijaya Kumar, P. Muralidhar Reddy , Shyue-Chu Ke, Chia-Liang Cheng, Ashish Chhaganlal Gandhi, Sheng Yun Wu	Antiferromagnetic spin correlations above the bulk ordering temperature in NiO nanoparticles: Effect of extrinsic factors,	Applied Surface Science	2022	0169-4332	6.707	DOI: https://doi.org/10.1016/j.apusc.2021.152081
31	Ramulu Dhanavath, Ravinder Dharavath, Devender Kothula, Sampath Bitla, Gugulothu Yaku, Saritha Birdaragu, P. Muralidhar Reddy , Krishnam Raju Atcha	Synthesis and Biological Evaluation of Novel 2-Arylquinoline-3-Fused Thiazolo[2,3c]1,2,4-Triazole Heterocycles as Potential Antiproliferative and Antimicrobial Agents	Journal of Heterocyclic Chemistry	2022	1943-5193	2.193	DOI: 10.1002/jhet.4460
32	G. Swetha, Revathy Sundara Moorthy, K. Premalatha, M. Kavitha and P. Muralidhar Reddy	Overview of the Effect of Covid-19 Pandemic on Forensic Pathology	High Technology Letters	2022	1006-6748	2.7	DOI: https://doi.org/10.37896/HTL28.05/5810
33	Kura Narsimha, N. Anuradha, Kathi Sudarshan, Ashish Chhaganlal Gandhi, A. Krishnam Raju, P. Muralidhar Reddy , Radhika Mone, G. Upender, B. Vijaya Kumar	One-Pot Hydrothermal Preparation and Defects Enhanced Photocatalytic Activity of Bi doped CdWO ₄ Nanostructures	Physical Chemistry Chemical Physics	2022	1463-9076 (print); 1463-9084 (web)	3.945	https://doi.org/10.1039/D1CP02885E

34	Sailam Sri Gogula, Ramakrishna Konakalla, Kamalaker Reddy Kamireddy, P. Muralidar Reddy , Ch. Abraham Lincoln and B.V. Subba Reddy	Diisobutylaluminium hydride mediated efficient synthesis of Morita–Baylis–Hilman adducts through α -functionalization of alkyl Propiolates	Journal of Heterocyclic Chemistry	2022	1943-5193	2.193	DOI: 10.1002/jhet.4602
35	K. Manjunatha, Ming-Kang Ho, Tsu-En Hsu, Hsin-Hao Chiu, Tai-Yue Li, B. Vijaya Kumar, P. Muralidhar Reddy , Ting San Chan, Yu-Hao Wu, Bi-Hsuan Lin, Artashes Karmenyan, Chia-Liang Cheng, Ashish Chhaganlal Gandhi and Sheng Yun Wu	Precise Sn-Doping Modulation for Optimizing CdWO ₄ Nanorod Photoluminescence	Int. J. Mol. Sci.	2022	1422-0067	6.208	https://doi.org/10.3390/ijms232315123
36	Ashish Chhaganlal Gandhi, Hsin-Hao Chiu, Ming-Kang Ho, Tsu-En Hsu, Tai-Yue Li, Yu-Hao Wu, B. Vijaya Kumar, P. Muralidhar Reddy , Bi-Hsuan Lin, Chia-Liang Cheng, and Sheng Yun Wu	Modulation of Magnetic and Luminescence Properties via Control Cu-Doped in CdWO ₄ Nanorods for Photocatalytic Applications	ACS Appl. Nano Mater.	2022	1422-0067	5.097	https://doi.org/10.1021/acsanm.2c03092
37	S. Mishra, P. Supraja, D. Haranath, R. R. Kumar, Someshwar Pola,	Effect of surface and contact points modification on the output performance of triboelectric nanogenerator	Nano Energy	2022	, 107964	16.8	
38	K. Manda, R. Kore, M. Ambapuram, P. Chetty, S. Roy, V. Jadhav, S. N. Babu, R. gundla, R. Mitty, Someshwar pola	Benzodithiophene-Based, Donor–Acceptor– π –Donor–Acceptor Systems as Hole Transporting Materials for Efficient Perovskite Solar Cells,	ChemPhotoChem	2022	e202200062	3.0	

39	Suresh Kilaru, Ramesh Gade, Yadagiri bhongiri, Anuj Tripathi, Prabhakar Chetti, Someshwar Pola	Organic materials based on hetero polycyclic aromatic hydrocarbons for organic thin-film transistor applications,	Materials Science in Semiconductor Processing	2022	106730	4.2	
40	Mahesh Subburu, Ramesh Gade, Prabhakar Chetti, Someshwar Pola	Photooxidation of 2,20- (Ethyne-1,2-diyl)dianilines: An Enhanced Photocatalytic Properties of New Salophen-Based Zn(II) Complexes,	Photochem	2022		3.6	
41	K Masula, Y Bhongiri, GR Rao, PV Kumar, Someshwar Pola, M Basude	Evolution of photocatalytic activity of CeO ₂ –Bi ₂ O ₃ composite material for wastewater degradation under visible-light irradiation, Optical Materials	Optical Materials	2022	112201	3.8	
42	V. M. Vidya, Someshwar Pola, P Chetti	Synthesis and Optical Properties of Mono- and DiSubstituted 1, 3, 5-Triazines Functionalized with Thiophene and Furan,	Journal of Molecular Structure	2022	132408	4.0	
43	S. K. Nayak, R. Kore, Md. S. Ahmed, P. Verma, R. Vallavoju, D. Banerjee, Someshwar Pola, V. R. Soma, P. Chetti, S. S. K. Raavi	Femtosecond nonlinear optical properties of polycyclic aromatic hydrocarbon-based Benzo[e]pyrene derivatives	Optical Materials	137 (2023) 113603	0925-3467	3.80	doi.org/10.1016/j.optmat.2022.112201
44	R. Gade, M. Basude, N. B. Simhachalam, Rama Devi V, Someshwar Pola* and P.Chetti	Synthesis of titanates for photomineralization of industrial wastewater and organic pollutants	Environ. Sci.: Water Res. Technol.,	8 (2022) 3065	2053-1419	5.00	DOI: 10.1039/d2ew00469k
45	A. Meenakshamma, P. M. Mounika, M. Gurulakshmi, K. Susmitha, D. Haranath, L. Goswami, G. Gupta, Pola Someshwar, M. Raghavender	Voltage- and Power-Conversion Performance of Bifunctional ZrO ₂ : Er ³⁺ / Yb ³⁺ Assisted and Co-sensitized Dye Sensitized Solar Cells for Internet of Things Applications	ChemPhotoChem	2023, e202200302 (1 of 10)	2367-0932	3.70	

46	R. Vallavoju, R. Kore, P. Radhika, M. Subburu, R. Gade, M. Basude, Someshwar Pola, P. Chetti	Enhanced piezo-photocatalytic properties of new salophen based Ti (IV) complexes	Inorganic Chemistry Communications	148 (2023) 110272	1387-7003	3.80	https://doi.org/10.1016/j.inoche.2022.110272
47	Reddy, R. J.* Waheed, Md., Kumari, A. H., and Krishna, G. R.	Interrupted CuAAC-Thiolation for the Construction of 1,2,3-Triazole-Fused Eight-Membered Hetero-cycles from O-/N-Propargyl derived Benzyl Thiosulfonates with Organic Azides	Adv. Synth. Catal. 2022, 364,	2022/364	319-325	5.981	
48	Reddy, R. J.* Shankar, A., Kumar, J. J. Sharadha, N., and Krishna, G. R.	Diethyl phosphite-mediated switchable synthesis of bis(imidazoheterocycles) derived disulfanes and sulfanes using imidazoheterocycles and octasulfur	New. J. Chem. 2022, 46,	2022/46	4784-4791	3.925	
49	Reddy, R. J.* Kumari, A. H., Sharadha, N. and Krishna, G. R.	Solvent-Dependent Mono- and Bis-Thiolation of (E)- α -Iodovinyl Sulfones with Thiols for Flexible Synthesis of 1,2-Thiosulfonylalkenes and 1,2-Dithioalkenes	J. Org. Chem. 2022, 87,	2022/87	3934-3951.	4.198	
50	Reddy, R. J.* Sharadha, N. Kumari, A. H.	Base-mediated [3+2]-cycloannulation strategy for the synthesis of pyrazolo[1,5-a]pyridine derivatives using (E)- β -iodovinyl sulfones	Org. Biomol. Chem., 2022,20,	2022/20	4331-4337	3.890	
51	Reddy, R. J.* Kumari, H. K. and Krishna, G. R.	Unified Radical Sulfonylative-Annulation of 1,6-Enynols with Sodium Sulfinates: A Modular Synthesis of 2,3-Disubstituted Benzoheteroles	<u>J. Org. Chem.</u>	2023, 88, 1635–1648	1520-6904	3.67	

52	Reddy, R. J.* Kumar, J. J. and Kumari, H. K.	Mn(OAc) ₃ -Mediated Unexpected Cycloannulative-Sulfonyl Migration Cascade using (E)- β -Iodovinyl Sulfones and ortho-Alkynylphenols: An Expedient Synthesis of Chromene-derived Vinyl Sulfones	<u>Org. Lett.</u>	2023, 25, 2207–2212	1523-7060	5.36	
53	Reddy, R. J.* Sharadha, N. and Krishna, G. R.	Pd(II)-Catalyzed Tandem Cycloannulative-Alkenylation of ortho-Alkynyl-Phenols/Anilines with (E)- β -Iodovinyl Sulfones: A Direct Strategy to Construct 3-(Vinyl Sulfonyl)-Benzoheterole Derivatives	<u>J. Org. Chem.</u>	2023, 88, 8889-8903.	1520-6904	3.67	
54	Radhakrishna Muttineni, Binitha R.N, Kalyani Putty, Kavitha Marapakala, Sandra K.P., Jaslin Panyam, Aravind Vemula, Shashi Mohan Singh, Subin Balachandran, Viroji Rao S.T. Anand Kumar Kondapi	SARS-CoV-2 variants and spike mutations involved in second wave of COVID-19 pandemic in India	Transbound Emerg Dis	March 2022		4.521	doi: 10.1111/tbed.14508.
55	B. Ashok, K. Ramesh, D. Madhu, T. Nagesh, B. Vijaya Kumar, G. Upender,	Characterization and photocatalysis of visible-light-driven Z-scheme Bi ₂ WO ₆ /Bi ₂ MoO ₆ heterojunction for Rhodamine B degradation,	Inorg. Chem.Comm.	2023	1387-7003.	3.428	doi.org/10.1016/j.inoche.2023.110495
56	Matta Raghavender, Jalapathi Pochampally*, Bala Narsimha Dhoddi, Bhookya Shankar, Sampath Bitla, Anjini Gayatri Akkiraju	Synthesis, antimicrobial and antioxidant activity of triazole, pyrazole containing thiazole Derivatives and Molecular docking studies on COVID-19	BMC Chemistry (In Press)	2022	2661-801X	4.095	

57	Ankush Kularkar, Sachin D. Chaudhari, Mudavath Ravi, P. Muralidhar Reddy , Penumaka Nagababu	An insight into mimic of photo-Fenton degradation of ciprofloxacin and tetracycline	Separation and Purification Technology	2023, 319, 124100,	ISSN: 1383-5866	9.536	https://doi.org/10.1016/j.seppur.2023.124100
58	Sailam Sri Gogula, Dasari Vijaya Prasanna, Vishnu Thumma, Sunil Misra, Ch P. Muralidhar Reddy , Anren Hu, BV Subbareddy,	Efficient Green Synthesis, Anticancer Activity, and Molecular Docking Studies of Indolemethanes Using a Bioglycerol-Based Carbon Sulfonic Acid Catalyst	<i>ACS omega</i> ,	2023, 8 (39), 36401-36411,	ISSN: 2470-1343	4.10	

List of Publications of Department of Chemistry 2021-2022

Sl. No	Name of the author/s	Title of paper	Name of the author/s	Name of journal	Year, Volume s. Issuee	ISSN number	Impact factor	Link to the recognition in UGC enlistment of the Journal
1	4	3	4	6	7	8	9	10
1	Gugulothu, K., Ramulu Meesa, S., Kumar Utkoor, U., Rajasekhara Reddy,	Pd/C and TFA-promoted One-pot, Two-step Cascade Reaction: An Effective Synthesis of Oxepines.	Gugulothu, K., Ramulu Meesa, S., Kumar Utkoor, U., Rajasekhara Reddy,	<i>Asian Journal of Organic Chemistry</i>	10(11)	3045–3049	3.0	Yes

	S., & Shiva Kumar, K.		S., & Shiva Kumar, K.					
2	V. Anjaneyulu, V. Krishnaiah, K. Vermeire and P. Leelavathi	Microwave-assisted one-pot multicomponent synthesis of 2-(-4-oxo-2-(1-(2-oxo-2h-chromen-3-yl) ethylidene) hydrazono)thiazolidin-5-yl) acetic acid derivatives and their antiviral activity	V. Anjaneyulu, V. Krishnaiah, K. Vermeire and P. Leelavathi	<i>J Heterocyclic Chem.</i>	2022, 1, 1-12		2.1	
3	K. Venkat eswarlu, D.Sreenu, G.Ramesh, P.V.Anantha Lakshmi , Shivaraj	Investigation of DNA binding and bioactivities of furan cored Schiff base Cu (II), Ni (II), and Co (III) complexes: Synthesis, characterization and spectroscopic properties	K. Venkat eswarlu, D.Sreenu, G.Ramesh, P.V.Anantha Lakshmi , Shivaraj	<i>Applied organometallic Chemistry</i>	2021 35(9)	0268-2605	4.10 5	https://doi.org/10.1002/aoc.6326
4	D.Sreenu A. Rambabu, G.Nirmala, G.Ramesh, P.V.Anantha Lakshmi , Shivaraj	Spectroscopic, quantum chemical calculations, antioxidant, anticancer, antimicrobial, DNA binding and photo physical properties of bioactive Cu(II) complexes obtained from trifluoromethoxy aniline Schiff bases	D.Sreenu A. Rambabu, G.Nirmala, G.Ramesh, P.V.Anantha Lakshmi , Shivaraj	<i>Journal of Molecular Structure</i>	2021 1249	0022-2860	3.19 6	https://doi.org/10.1016/j.molstruc.2021.131601
5	K. Venkateswarlu, P.V.Anantha Lakshmi , Shivaraj	Synthesis, spectroscopic and thermal studies of Cu ⁺² , Ni ⁺² and Co ⁺³ complexes of Schiff base containing furan moiety. Antitumor, antioxidant, antibacterial and DNA interaction studies	K. Venkateswarlu, P.V.Anantha Lakshmi , Shivaraj	<i>Applied organometallic Chemistry</i>	2021 36(2)	0268-2605	4.10 5	https://doi.org/10.1002/aoc.6530
6	Kavitha Bengi, Sravanthi Maddikayala Saritha Reddy Pulimamidi	Biological evaluation, molecular docking, DNA interaction and thermal studies of new bioactive metal complexes of 2-Hydroxybenzaldehyde and fluorobenzamine Schiff base ligand	Kavitha Bengi, Sravanthi Maddikayala Saritha Reddy Pulimamidi	<i>Applied Organometallic Chemistry</i>	Volume 35, Issue 2 / e6085, 2021.	1099-0739	4.10 5	https://doi.org/10.1002/aoc.6085

7	Kavitha Bengi, Sravanthi Maddikayala Saritha Reddy Pulimamidi	DNA binding, cleavage, docking, biological and kinetic studies of Cr(III), Fe(III),Co(II),and Cu(II) complexes with ortho-vanillin Schiff base derivative	Kavitha Bengi, Sravanthi Maddikayala Saritha Reddy Pulimamidi	<i>Applied Organometallic Chemistry</i>	Volume 36, Issue 1 / e6451,2021.	1099-0739	4.105	https://doi.org/10.1002/aoc.6451
8	Revathy Sundara Moorthy, Rohini Rondla, M. Kavitha, P. Hima Bindu, Chand Pasha, and P. Muralidhar Reddy	Potential Applications of Nanoparticles Embedded U-bent Fiber Optic Probe	Revathy Sundara Moorthy, Rohini Rondla, M. Kavitha, P. Hima Bindu, Chand Pasha, and P. Muralidhar Reddy	<i>American Institute of Physics (AIP) Conf. Proc. 2021</i>	2021	ISSN 0094-243X (print); 1551-7616 (web)	0.40	https://doi.org/10.1063/5.0060856
9	N. Naresh Reddy, A. Sanjeev, S. Bhaskar, M. Kumara Swamy, V. Srinivasa Rao, A. Krishnam Raju, K. Bhaskar, Anren Hu, P. Muralidhar Reddy	Synthesis and Rational Design of New Appended1,2,3-Triazole-uracil Ensembles as Promising Anti-Tumor Agents via In Silico VEGFR-2 Transferase Inhibition	N. Naresh Reddy, A. Sanjeev, S. Bhaskar, M. Kumara Swamy, V. Srinivasa Rao, A. Krishnam Raju, K. Bhaskar, Anren Hu, P. Muralidhar Reddy	<i>Molecules</i>	2021	1420-3049	4.927	doi: 10.3390/molecules26071952
10	Sampath Bitla, Akkiraju Anjini Gayatri, P. Muralidhar Reddy , Vijaya	Design and synthesis, biological evaluation of bis-(1,2,3- and 1,2,4)-triazole derivatives as potential antimicrobial and antifungal agents	Sampath Bitla, Akkiraju Anjini Gayatri, P. Muralidhar Reddy , Vijaya Kumar	<i>Bioorganic & Medicinal Chemistry Letters</i>	2021	2.823	0960-894X	doi: 10.1016/j.bmcl.2021.128004.

	Kumar Bhukya, Jagadeshwar Vannada, Ramulu Dhanavath, Bhaskar Kuthati, Devender Kothula, Someswar Rao Sagurthi, Krishnam Raju Atcha		Bhukya, Jagadeshwar Vannada, Ramulu Dhanavath, Bhaskar Kuthati, Devender Kothula, Someswar Rao Sagurthi, Krishnam Raju Atcha					
11	Mallesh Magini, Sampath Bitla, P. Muralidhar Reddy Saritha Birudaraju, Ramulu Dhanavath, Krishnam Raju Atcha	An Efficient (TBA) ₂ S ₂ O ₈ Catalyzed Regioselective Solvent-Free One-Pot Synthesis of Fully Substituted Pyrazoles	Mallesh Magini, Sampath Bitla, P. Muralidhar Reddy Saritha Birudaraju, Ramulu Dhanavath, Krishnam Raju Atcha	Results in Chemistry	2021	2211-7156		https://doi.org/10.1016/j.rechem.2021.100184
12	Kura Narsimha, N. Anuradha, Kathi Sudarshan, Ashish Chhaganlal Gandhi, A. Krishnam Raju, P. Muralidhar Reddy , Radhika Mone, G. Upender, B. Vijaya Kumar	One–Pot Hydrothermal Preparation and Defects Enhanced Photocatalytic Activity of Bi doped CdWO ₄ Nanostructures	Kura Narsimha, N. Anuradha, Kathi Sudarshan, Ashish Chhaganlal Gandhi, A. Krishnam Raju, P. Muralidhar Reddy , Radhika Mone, G. Upender, B. Vijaya Kumar	Physical Chemistry Chemical Physics	2022	1463-9076 (print); 1463-9084 (web)	3.94 5	https://doi.org/10.1039/D1CP02885E
13	Sailam Sri Gogula, Ramakrishna Konakalla, Kamalaker Reddy Kamireddy, P. Muralidar Reddy , Ch. Abraham	Diisobutylaluminium hydride mediated efficient synthesis of Morita–Baylis–Hilman adducts through α -functionalization of alkyl Propiolates	Sailam Sri Gogula, Ramakrishna Konakalla, Kamalaker Reddy Kamireddy, P. Muralidar Reddy , Ch. Abraham	Journal of Heterocyclic Chemistry	2022	1943-5193	2.19 3	DOI: 10.1002/jhet.4602

	Lincoln and B.V. Subba Reddy		Lincoln and B.V. Subba Reddy					
14	Ashish Chhaganlal Gandhi, Hsin-Hao Chiu, Ming-Kang Ho, Tsu-En Hsu, Tai-Yue Li, Yu-Hao Wu, B. Vijaya Kumar, P. Muralidhar Reddy , Bi-Hsuan Lin, Chia-Liang Cheng, and Sheng Yun Wu	Modulation of Magnetic and Luminescence Properties via Control Cu-Doped in CdWO ₄ Nanorods for Photocatalytic Applications	Ashish Chhaganlal Gandhi, Hsin-Hao Chiu, Ming-Kang Ho, Tsu-En Hsu, Tai-Yue Li, Yu-Hao Wu, B. Vijaya Kumar, P. Muralidhar Reddy , Bi-Hsuan Lin, Chia-Liang Cheng, and Sheng Yun Wu	ACS Appl. Nano Mater.	2022	1422-0067	5.09 7	https://doi.org/10.1021/acsanm.2c03092
15	S. P. Sai Sushma, G. Swarupa, T. Nagesh, Someshwar Pola, P. Rajitha, B. Vijaya Kumar, G. Upender	Enhanced photocatalytic activity of CdWO ₄ /BaTiO ₃ heterostructure for dye degradation,	S. P. Sai Sushma, G. Swarupa, T. Nagesh, Someshwar Pola, P. Rajitha, B. Vijaya Kumar, G. Upender	New J. Chem	2021	19723-19732		
16	G. Maddala, R. Gade, J. Ahemed, S. Kalvapalli, N. B. Simhachalam, P. Chetti, Someshwar Pola,* R. Mitty	Efficient, Dopant free Phenazine based Hole Transporting Materials for High Performance Perovskite Solar Cells.	G. Maddala, R. Gade, J. Ahemed, S. Kalvapalli, N. B. Simhachalam, P. Chetti, Someshwar Pola,* R. Mitty	Solar Energy	2021	501-512		
17	Venkateshwar Rao D, Mahesh Subburu, Ramesh Gade, Manohar Basude, Chetti Prabhakar, Narendra S. Babu,	New Zn (II) Complex-Composite Material: Piezo-Enhanced Photomineralization of Organic Pollutants and Wastewater from Lubricant Industry	Venkateshwar Rao D, Mahesh Subburu, Ramesh Gade, Manohar Basude, Chetti Prabhakar, Narendra S. Babu,	Environ. Sci.: Water Res. Technol	2021	1737-1747		

	Nagababu penumaka Yadagiri Bhonogiri and Someshwar Pola,		Nagababu penumaka Yadagiri Bhonogiri and Someshwar Pola,					
18	Venkat Swamy Puli, Suresh K, Yadagiri Bhongiri, Anuj Tripathi, Prabhakar Chetti, Anindita Chatterjee, Kiran Kumar Vukoti and Someshwar Pola	New indolo[1,2-c]quinazolines for Single-crystal field effect transistor (SCFET): A united Experimental and Theoretical Studies	Venkat Swamy Puli, Suresh K, Yadagiri Bhongiri, Anuj Tripathi, Prabhakar Chetti, Anindita Chatterjee, Kiran Kumar Vukoti and Someshwar Pola	<i>Journal of Physical Organic Chemistry</i>	2021	e4276		
19	J. Ahemed, J. Pasha, V. Rao D. R. Kore, R. Gade, Y. Bhongiri, P. Chetti, Someshwar Pola	Synthesis of New Zn (II) Complexes for Photo decomposition of Organic Dye Pollutants, Industrial Wastewater and Photo-oxidation of methyl Arenes under Visible-light	J. Ahemed, J. Pasha, V. Rao D. R. Kore, R. Gade, Y. Bhongiri, P. Chetti, Someshwar Pola	<i>Journal of Photochemistry & Photobiology, A: Chemistry</i>	2021	113455		
20	V. S. Puli, M. Subburu, Y. Bhongiri, A. Tripathi, K.R.S. Prasad, A. Chatterjee, Someshwar Pola,* P. Chetti	New Indolo[3,2-b]indole based small organic molecules for Organic Thin Film Transistors (OTFTs): A combined experimental and DFT Study	V. S. Puli, M. Subburu, Y. Bhongiri, A. Tripathi, K.R.S. Prasad, A. Chatterjee, Someshwar Pola,* P. Chetti	<i>Journal of Molecular Structure</i>	2021	129491	4.0	
21	Vidya V. M., Someshwar Pola and Prabhakar Chetti	Optoelectronic and charge transport properties of D-n-A type 1,3,5-triazine derivatives: A combined experimental and DFT study, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	Vidya V. M., Someshwar Pola and Prabhakar Chetti	<i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i>	2021	118940		

22	S. P. Sai Sushma, G. Swarupa, T. Nagesh, Someshwar Pola, P. Rajitha, B. Vijaya Kumar and G. Upender,	“Enhanced photocatalytic activity of CdWO ₄ /BaTiO ₃ heterostructure for Dye degradation”, <i>New J. Chem.</i> 45 (2021) 19723-732.	S. P. Sai Sushma, G. Swarupa, T. Nagesh, Someshwar Pola, P. Rajitha, B. Vijaya Kumar and G. Upender,	<i>New Journal of Chemistry</i>	2021	1144-0546	3.591	doi.org/10.1039/D1NJ01556G
23	Sampath Bitla, Akkiraju Anjini Gayatri, Muralidhar Reddy Puchakayala , Vannada, Ramulu Dhanavath, Bhaskar Kuthati, Devender Kothula, Someswar Rao Sagurthi, Krisham Raju Atcha	Design and synthesis, biological evaluation of bis-(1,2,3- and 1,2,4)-triazole derivatives as potential antimicrobial and antifungal agents	Sampath Bitla, Akkiraju Anjini Gayatri, Muralidhar Reddy Puchakayala, Vijaya Kumar Bhukya , Jagadeshwar Vannada, Ramulu Dhanavath, Bhaskar Kuthati, Devender Kothula, Someswar Rao Sagurthi, Krisham Raju Atcha	<i>Bioorganic & Medicinal Chemistry Letters</i>	2021	0960-894X	2.823	doi: 10.1016/j.bmcl.2021.128004 .
24	M. Anand Pandarinath, Muralikrishna, D. Suresh Babu, B. Vijaya Kumar , G. Upender	“Vibrational, thermal and optical studies of 30TeO ₂ -39.5B ₂ O ₃ -(30-x)ZnO-xLi ₂ O-0.5V ₂ O ₅ (0=x =30 mol%) glass system”,	M. Anand Pandarinath, Muralikrishna, D. Suresh Babu, B. Vijaya Kumar , G. Upender	<i>Journal of Non Crystalline Solids</i>	2021	0022-3093.	4.453	doi.org/10.1016/j.jnoncrysol.2021.120875
25	B. Ashok, K. Ramesh, D. Madhu, T. Nagesh, B. Vijaya Kumar , G. Upender,	Characterization and photocatalysis of visible-light-driven Z-scheme Bi ₂ WO ₆ /Bi ₂ MoO ₆ heterojunction for Rhodamine B degradation,	B. Ashok, K. Ramesh, D. Madhu, T. Nagesh, B. Vijaya Kumar , G. Upender,	<i>Inorg. Chem.Comm.</i>	2023	1387-7003.	3.428	doi.org/10.1016/j.inoche.2023.110495

List of Publications of Department of Chemistry 2020-2021

Sl. No.	Author	Publication type	Title	ISSN no./Year of Publication/IF
[1]	[2]	[3]	[4]	[5]
	Name of Author(s) in the format Last name, First name, Middle name	Journal Article / Book / Book Chapter	Full title of the article / Chapter in Book / Book	YYYY
1	Praveen Kumar Rathod, J. Sowmya , P. Leelavathi	<i>Tet. Lett.</i> 66, 152808, 2021 (IF=2.25).	A simple and efficient synthesis of benzofuroquinolines via the decarboxylative cross coupling	2021/IF=2.25
2	K. Mahesh, K. Ravi, Praveen Kumar Rathod and P. Leelavathi	<i>New J. Chem.</i> , 2020, 44, 2367	Convenient synthesis of quinoline-fused triazoloazepine /oxepine derivatives through Pd- catalyzed C–H functionalisation of triazoles	2020/IF=3.068
3	N. Jyothi, Nirmala Ganji, Sreenu Daravath, Shivaraj	<i>Journal of Molecular Structure</i> , 1207 (2020) 127799.	Mononuclear cobalt(II), nickel(II) and copper(II) complexes: Synthesis, spectral characterization and interaction study with nucleotide by <i>in vitro</i> biochemical analysis.	2020/IF=4.00
4	Narendrula Vamsikrishna, Sreenu Daravath, Nirmala	<i>Inorganic Chemistry Communications</i> , 113 (2020) 107767	Synthesis, structural characterization, DNA interaction, antibacterial and cytotoxicity	2020/IF=1.79

	Ganji, Nayeem Pasha, Shivaraj		studies of bivalent transition metal complexes of 6-aminobenzothiazole Schiff base.	
5	Gali Ramesh, Sreenu Daravath, Nirmala Ganji, Aveli Rambabu, Kadatala Venkateswarlu, Shivaraj	<i>Journal of Molecular Structure.</i> 1202 (2020) 12733	Facile synthesis, structural characterization, DNA binding, incision evaluation, antioxidant and antimicrobial activity studies of Cobalt(II), Nickel(II) and Copper(II) complexes of 3-amino-5-(4-fluorophenyl)isoxazole derivatives	2020/IF=4.00
6	Aveli Rambabu, Sreenu Daravath, Nirmala Ganji, Dasari Shiva Shankar, Krishnan Rangan and Shivaraj	<i>Journal of Molecular Structure,</i> 1199 (2020) 127006.	Mononuclear Co(II), Ni(II) and Cu(II) complexes of the Schiff base, 2-(((4-trifluoromethoxy)phenylimino)methyl)-6-tert-butylphenol: Synthesis, spectroscopic characterization, X-ray study and biological evaluation	2020/IF=2.12
7	Rajeshwari K, Anantha Lakshmi P.V. , Archana J, Sumakanth M	<i>Applied Organometallic Chemistry</i>	Ternary Cobalt(II), Nickel(II), and Copper(II) complexes containing metformin and ethylenediamine: Synthesis, characterization, thermal, in vitro DNA binding, in silico molecular docking, and in vivo antihyperglycemic studies	1099-0739/ 2020/4.105
8	K. Rajeshwari, P. Vasanth, B.S. Kumar, B. Shekhar, P.V. Anantha Lakshmi	<i>Applied Organometallic Chemistry, 2020, 34:e5351</i>	Water Soluble Nickel – metformin ternary complexes: Thermal, DNA binding and molecular docking studies	2020/IF=4.105
9	Reddy, R. J.,* Kumari, A. H. and Kumar, J. J.	<i>Org. Biomol. Chem.</i> 2021, 19, 3087-3118	Recent Advances in the Synthesis and Applications of □□ Keto Sulfones: New Prospects for the Synthesis □□ Keto Thiosulfones,	2021/IF: 3.876
10	Reddy, R. J.,* and Kumari, A. H.	<i>RSC Adv., 2021, 11, 9130-9221</i>	Synthesis and Applications of Sodium Sulfinates (RSO ₂ Na): A Powerful Building	2021/IF: 3.361

			Block for the Synthesis of Organosulfur Compounds	
11	Reddy, R. J.,* Waheed, Md. and Krishna, G. R.	Org. Biomol. Chem. 2020, 18, 3243-3248	Phenylboronic acid-catalyzed tandem construction of S–S and C–S bonds: a new method for the synthesis of benzyl disulfanylsulfone derivatives from S-benzyl thiosulfonates	2020/IF: 3.876
12	Pulimamidi Saritha Reddy	Journal Applied Organometallic Chemistry	Biological evaluation, molecular docking, DNA interaction and thermal studies of new bioactive metal complexes of 2-Hydroxybenzaldehyde and fluorobenzamine Schiff base ligand	1099-0739 2020 IF : 4.105
13	Mahesh K and D A Padmavathi	Journal of Fluorescence Volume 30, Page 35-40, Year 2020	Novel Photoswitchable dihetarylethenes exhibiting fluorescence	2020/IF=2.093
14	P. Ramesha, V. Srinivasa Rao, P. Muralidhar Reddy, K. Suresh Babu and M. Srinivasa Rao	Letters in Drug Design & Discovery, 2020, 17(7), 873-883	Synthesis, biological evaluation and molecular modeling studies of novel C(7) modified analogues of chrysin	2020/IF=1.169
15	Kura Narsimha, M. Shekar Babu, N. Anuradha, Swarupa Guda, B. Kranthi Kumar, D. Mallesh, G. Upender, P. Muralidhar Reddy and B. Vijaya Kumar	New J. Chem., 2020, 44, 2380—2388,	Preparation and characterization of CdWO ₄ :Cu nanorods with enhanced photocatalytic performance under sunlight irradiation	2020/IF=3.069
16	K. Sateesh Reddy, Bandi Siva, S. Divya Reddy, N. Naresh Reddy, T.V. Pratap, B. Venkateswara Rao, Yi-An Hong, B. Vijaya Kumar, A. Krishnam Raju, P.	Molecules 2020, 25(9), 2199	In situ FTIR Spectroscopic Monitoring of the Formation of the Arene Diazonium Salts and its Applications to Heck-Matsuda Reaction	2020/IF=3.288

	Muralidhar Reddy* , and Anren Hu			
17	Ashish Chhaganlal Gandhi, Tai-Yue Li, B. Vijaya Kumar, P. Muralidhar Reddy , Jen-Chih Peng, Chun-Ming Wu and Sheng Yun Wu	<i>Nanomaterials</i> 2020, 10(7), 1318, (https://doi.org/10.3390/nano10071318),	Room Temperature Magnetic Memory Effect in Cluster-Glassy Fe-doped NiO Nanoparticles	2020/IF=4.324
18	N. Naresh Reddy, A. Sanjeev, S. Bhaskar, M. Kumara Swamy, V. Srinivasa Rao, A. Krishnam Raju, K. Bhaskar, Anren Hu, P. Muralidhar Reddy	<i>Molecules</i>	Synthesis and Rational Design of New Appended 1,2,3-Triazole-uracil Ensembles as Promising Anti-Tumor Agents via In Silico VEGFR-2 Transferase Inhibition,	2021, 26, 1952, Impact Factor: 4.411,
19	M. S. Kumar, G. Maddala, M. Ambapuram, M. Subburu, J. R. Vaidya, S. N. Babu, P. Chetti, R. Mitty and Someshwar Pola*	<i>Sustainable Energy Fuels</i>	Cost-effective thiophene-assisted novel dopant free hole transport materials for efficient perovskite solar cell performance	2020, 4, 4754–4767. IF: 6.367
20	S. Bharadwaj, A. Tirupathi, N. P. Kumar, Someshwar Pola , Y. K. Lakshmi	<i>Journal of Magnetism and Magnetic Materials</i>	Study of magnetic and magnetoresistance behaviour of La _{0.67} Sr _{0.33} MnO ₃ –CoFe ₂ O ₄ composites	2020, 513, 167058. IF: 2.993
21	Bandari Rajesham, Vemula Arunkumar, Praveen Kumar Naikawadi and K. Shiva Kumar	<i>New J. Chem.</i> ,	Copper-catalyzed cascade C–N coupling/C–H amination: one pot synthesis of imidazo[1,2-b]indazole	2020, 44, 15816–15820 I.F: 3.591 ISSN 1369-9261
22	Siddi Ramulu Meesa, Praveen Kumar Naikawadi, Kishan	<i>Org. Biomol. Chem.</i> ,	Catalyst and solvent switched divergent C–H functionalization: oxidative annulation of <i>N</i> -aryl substituted quinazolin-4-amine with alkynes	2020, 18, 3032–3037 I.F: 3.87

	Gugulothu K. Shiva Kumar			ISSN 1477-0539
23	Vimala Kanikireddy, Kokkarachedu Varaprasad, M. Sandhya Rani, P. Venkataswamy, Boggu Jaganmohan Reddy, M. Vithal	<i>Carbohydrate Polymers</i> , 2020, 236, 116053.	Biosynthesis of CMC-Guar gum-Ag nanocomposites for inactivation of food pathogenic microbes and its effect on the shelf life of strawberries	2020/IF = 6.320
24	R. J. Reddy ,* J. J. Kumar, A. H. Kumari and G. R. Krishana	<i>Adv. Synth. Catal.</i> 2020, 362, 1317-1322.	Pd-Catalyzed Annulation of β -Iodovinyl Sulfones with 2-Halophenols: A General Route for the Synthesis of 3-Sulfonyl Benzofuran Derivatives	2020/IF = 5.451
25	D Ashok , MR Reddy, N Nagaraju, R Dharavath, K Ramakrishna, S Gundu, P. Shravani, M Sarasija,	<i>Medicinal Chemistry Research</i> , 2020, 29, 699-706	Microwave-assisted synthesis and in vitro antiproliferative activity of some novel 1, 2, 3-triazole-based pyrazole aldehydes and their benzimidazole derivatives	2020/IF = 1.720
26	Ravinder Dharavath, N Nagaraju, MR Reddy, D Ashok , M Sarasija, M Vijjulatha	<i>RSC Advances</i> (2020), 10, 11615-11623	Microwave-assisted synthesis, biological evaluation and molecular docking studies of new coumarin-based 1, 2, 3-triazoles	2020/ IF=3.9
27	D Ashok , MR Reddy, Ravinder Dharavath, K Ramakrishna, N Nagaraju and M Sarasija	<i>Journal of Chemical Sciences</i> (2020), 132 (1), 1-9.	Microwave-assisted synthesis of some new 1,2,3-triazole derivatives and their antimicrobial activity	2020/IF=1.7
28	Ravinder Dharavath Madderla Sarasija	<i>Journal of Heterocyclic Chemistry</i>	Microwave assisted synthesis of 4-methyl-3-arylpyrano[2,3-f]chromen-2(8H)-one	2020/IF=2.4

	Makthal Ram Reddy Nagaraju Nalaparaju Ramakrishna Katta Dongamanti Ashok	(2020) 57(7)1-9	derivatives, evaluation of antiproliferative, and antimicrobial activities	
29	Dongamanti Ashok, Pamula Chiranjeevi Aamate Vikas Kumar, Vagolu Siva Krishna, Dharmarajan Sriram, Sridhar Balasubramn and Madderla Sarasija	<i>Molecular Diversity, (2020)</i>	Indole-fused spirochromenes as potential anti-tubercular agents: design, synthesis and in vitro evaluation	2020/IF=3.9
30	P. Venkataswamy, M. Sudheera, K. Vaishnavi, K. Ramaswamy, G. Ravi, M. Vithal	<i>Journal of Electronic Materials,</i> 2020, 49, 2358–2370	A New Ag/AgBr/LaAlO ₃ Plasmonic Composite: Synthesis, Characterization, and Visible-light Driven Photocatalytic Activity	2020/IF = 1.676
31	Ravi Gundeboina, Venkataswamy P, Vithal M	<i>Journal of Australian Ceramic Society,</i>	Hydrothermal synthesis of C-doped K ₂ Al ₂ Ti- ₆ O ₁₆ as a visible light–activated photocatalyst in the degradation of organic dyes	2020 / 1.307
32	Venkataswamy P, Sudheera M, Vaishnavi K, Ramaswamy K, Ravi G, Vithal M	<i>Journal of Electronic Materials</i>	A New Ag/AgBr/LaAlO ₃ Plasmonic Composite: Synthesis, Characterization, and Visible-light Driven Photocatalytic Activity	2020 / 1.774
33	Venkataswamy P, Devaiah D, Jampaiah D, Mukherjee D, Vithal, M, Reddy B. M.,	<i>Catalysis Letters</i>	Cr-doped CeO ₂ Nanorods for CO Oxidation: Insights into Promotional Effect of Cr on Structure and Catalytic Performance	2020 / 2.482

List of Publications of Department of Chemistry 2019-2020

Sl. No.	Author	Publication type	Title	ISSN no./Year of Publication/IF
[1]	[2]	[3]	[4]	[5]
	Name of Author(s) in the format Last name, First name, Middle name	Journal Article / Book / Book Chapter	Full title of the article / Chapter in Book / Book	YYYY
1	Sundeeep Kadasi, Ravali Yerroju, Swetha Gaddam, Nikhila Pullanagiri, Meghana Chary, Divya Pingili, Nulgumnalli Manjunathaiah Raghavendra, Shivaraj	<i>Arch Pharm Chem Life Sci.</i> 2019; <i>e1900192.</i>	Discovery of N-pyridoyl- Δ^2 -pyrazolines as Hsp90 inhibitors	2020/IF=2.59
2	Kadtala Venkateswarlu, Nirmala Ganji, Sreenu Daravath, Kumar Kanneboina, Krishnan Rangan, Shivaraj	<i>Polyhedron</i> , 171 (2019) 86–97.	Crystal structure, DNA interactions, antioxidant and antitumor activity of thermally stable Cu(II), Ni(II) and Co(III) complexes of an N,O donor Schiff base ligand	2019/IF=2.284
3	Sreenu Daravath, Aveli Rambabu, Narendrula Vamsikrishna, Nirmala Ganji and Shivaraj	<i>Journal of Coordination Chemistry</i> , 72 (2019) 1973-1993.	Synthesis, structural characterization, antioxidant, antimicrobial, DNA incision evaluation and binding investigation studies on copper(II) and cobalt(II) complexes of benzothiazole cored Schiff bases	2019/IF=1.68
4	Nayeem Pasha, N. Lingaiah, Shivaraj	<i>Catalysis Letters</i> , Vol. 149, pp 2500-2507.	Zirconium Exchanged phosphotungstic acid Catalysts for Esterification of Levulinic Acid to Ethyl Levulinate	2019/IF=2.37
5	Aveli Rambabu, Marri Pradeep Kumar, Nirmala Ganji, Sreenu Daravath and Shivaraj	<i>Journal of Biomolecular Structure and Dynamics</i> , /doi.org/10.1080/07391102.2019.1571945.	DNA binding and cleavage, cytotoxicity and antimicrobial studies of Co(II), Ni(II), Cu(II) and Zn(II) complexes of 1-((E)-(4-(trifluoromethoxy)phenylimino)methyl)napht halen-2-ol Schiff base	2019/IF=3.31

6	B. Shekhar, P. Vasantha, B. S. Kumar, P.V. Anantha Lakshmi	<i>Applied Organometallic Chemistry</i> , 2019, 33:e5086	Chromium-metformin ternary complexes: Thermal, DNA interaction and Docking studies	2019/IF=3.581
7	Rambabu Gundeboina, Suresh Gadasandula, Vijay Kumar Velisoju, Naresh Gutta, Laxma Reddy Kotha, Hari Padmasri Aytam	<i>Chemistry Select</i> 4(2019) (1), 202-210; ISSN: 2365-6549	Ni-Al-Ti Hydrotalcite Based Catalyst for the Selective Hydrogenation of Biomass-Derived Levulinic Acid to γ -Valerolactone	2019/IF=1.505
8	Rambabu Gundeboina, Vijay Kumar Velisoju, Naresh Gutta, Sudhakar Medak, Hari Padmasri Aytam	<i>Reac Kinet Mech Cat.</i> , 2019, online, 1-16, ISSN 1878-5190	Influence of surface Lewis acid sites for the selective hydrogenation of levulinic acid to γ -valerolactone over Ni-Cu-Al mixed oxide catalyst	2019/IF=1.515
9	B.Kavitha, M.Sravanthi, P.Saritha Reddy	<i>Journal of Molecular Structure</i> , 1185, 5 June 2019, 153-167. DOI: 10.1016/j.molstruc.2019.02.093	DNA interaction, docking, molecular modeling and biological studies of o-Vanillin derived Schiff base metal complexes	2019/IF=2.463
10	Ashish Chhaganlal Gandhi, Tai-Yue Li, B. Vijaya Kumar, P. Muralidhar Reddy , Jen-Chih Peng, Chun-Ming Wu and Sheng Yun Wu	Nanomaterials 2020, 10(7), 1318, (https://doi.org/10.3390/nano10071318),	Room Temperature Magnetic Memory Effect in Cluster-Glassy Fe-doped NiO Nanoparticles	2020/IF=4.324
11	Rohini Rondla, Ramesh Malikanti, and P. Muralidhar Reddy ,	<i>ChemistrySelect</i> , 2019, 4, 8220–8224,	Thermoreversible Fibrous Hydrogel of Benzene-Centered Tris-dodecylimidazolium Bromide: A Dual Role as Stabilizer and Directing Agent for Silver Dendrites	2019/IF=1.811
12	Pulabala Ramesh, Vankadari Srinivasa Rao, Yi-An Hong, P. Muralidhar Reddy ,* and Anren Hu	<i>Molecules</i> 2019 , 24(17), 3038, (https://doi.org/10.3390/molecules24173038),	Molecular Design, Synthesis, and Biological Evaluation of 2-Hydroxy-3-Chrysinol Dithiocarbamate Derivatives	2019/IF=3.267
13	Venkanna G., Jakeer A., Mahesh S., Vijaya Charan G., Prabhakar Ch., Someshwar Pola ,	<i>Journal of Photochemistry & Photobiology A: Chemistry</i> , 2019, 382, 111975.	A very fast photodegradation of dyes in the presence of new Schiff's base N4-macrocyclic Ag-doped Pd(II) complexes under visible-light irradiation,	2019/IF=3.306
14	S. Kumar, Someshwar Pola , C.-W. Huang, Md. M.	<i>Journal of Organic Chemistry</i> , 2019, 84, 8562.	Polysubstituted Hexa-cata-Hexabenzocoronenes: Syntheses,	2019/IF=4.335

	Islam, S. Venkateswarlu, Y.-T. Tao,		Characterization and Their Potential as Semiconducting Materials in Transistor Application	
15	V. Gugulothu, J. Ahemed, M. Subburu, B. Yadagiri, R. Mittal, Ch. Prabhakar, Someshwar Pola,	<i>Polyhedron</i> , 2019, 170, 412.	Evolution of Physical and Photocatalytic Properties of New Zn(II) and Ru(II) complexes,	2019/IF=2.343
16	J. Miryala, A. Tripathi, Ch. Prabhakar, D. Sarma, Someshwar Pola, B. Satyanarayana,	<i>Journal of Molecular Structure</i> , 2019, 1184, 193.	Eco-friendly synthesis, crystal structures, photophysical properties and DFT studies of new N-arylthiazole-5-carboxamides	2019/IF=2.463
17	Ravi Mudavath , Vuradi Ravi Kumar, B. Ushaiah, Ch. Kishan Prasad, K. Sudeepa, P. Ravindar, S. N. T. Sunitha and Ch. Sarala Devi,	doi.org/10.1080/07391102.2019.1647878 , <i>Journal of Biomolecular Structure and Dynamics</i> .	Molecular docking, QSAR properties and DNA/BSA binding, anti-proliferative studies of 6-methoxy benzothiazole imine base and its metal complexes.	2019/IF = 3.310
18	Ravi Mudavath, Vuradi Ravi Kumar, B. Ushaiah, Nagula Narsimha, Kunche Sudeepa, Ch. Sarala Devi	DOI:10.1080/15257770.2019.1618470, <i>Nucleosides, Nucleotides and Nucleic Acids</i> .	Design, Synthesis, <i>In vitro</i> Anticancer, Antioxidant and Antibacterial activity; DNA/BSA Binding, Photobleaching and Docking studies of Cu(II) Ternary Metal Complexes,	2019IF = 1.167
19	A. Venkataramana Murthy, V.Narendar, N. Sampath Kumar, P. Aparna, A.K.D. Bhavani , F. Gautier, Sophie Barillé-Nion, Philippe Juin, Paul Mosset, René Grée, Nicolas Levoin,	<i>European Journal of Medicinal Chemistry</i> , Vol. 162, 334-347, 2019	Targeting PUMA/Bcl-xl interaction by new specific compounds to unleash apoptotic process in cancer cells	2019/IF = 4.833
20	Jeevan reddy Miryala, Anuj Tripathi, Chetti Prabhakar, Debajit Sarma, Someshwar Pola and Battu Satyanarayana.	<i>Journal of Molecular Structure</i> , (Elsevier), Vol.1184, (2019), 193-199.	Eco-friendly synthesis, crystal structures, photophysical properties and DFT studies of new N-arylthiazole-5-carboxamides,	2019/IF = 2.011

21	Suresh Kasaboina a, Rajitha Bollu a, Venkatesh Ramineni , P. Mary Gomedhika, Kavitha Korra, Sai Roopika Basaboina, Uma Devi Holagunda , Lingaiah Nagarapu, Naresh Dumala , Paramjit Grover, Raju Bathini, M. Vijjulatha	<i>Journal of Molecular Structure</i> 1180 (2019) 355e362	Novel benzosuberone conjugates as potential anti-proliferative agents: Design, synthesis and molecular docking studies	2019/IF = 2.011
22	Krishnaiah Vaarla, Santosh Karnewar, Devayani Panuganti, Saikiran Reddy Peddi, Rajeswar Rao Vedula, Vijjulatha Manga , and Srigriridhar Kotamraju.	<i>ChemistrySelect</i> 2019, 4, 4324 – 4330.	3-(2-(5-Amino-3-aryl-1H-pyrazol-1-yl)thiazol-4-yl)-2H-chromen-2-ones as Potential Anticancer Agents: Synthesis, Anticancer Activity Evaluation and Molecular Docking Studies	2019/IF = 1.716
23	Ramesh Itteboina, Srilata Ballu, Sree Kanth Sivan & Vijjulatha Manga	<i>Journal of Receptors and Signal Transduction</i> , 38:5-6, 462-474, DOI: 10.1080/10799893.2019.1585453	Molecular docking, 3D-QSAR, molecular dynamics, synthesis and anticancer activity of tyrosine kinase 2 (TYK 2) inhibitors,	2019/IF = 2.2
24	CH B Praveena Devi, K Vijay, B Hari Babu, Syed Farooq Adil, M Mujahid Alam, M Vijjulatha , Mohd Bismillah Ansari	<i>Journal of Saudi Chemical Society</i> 2019 https://doi.org/10.1016/j.jscs.2019.05.002	CuSO ₄ /sodium ascorbate catalysed synthesis of benzosuberone and 1,2,3-triazole conjugates: Design, synthesis and in vitro anti-proliferative activity	2019/IF = 2.759
25	V. Radhika · S. Sree Kanth P. Saikiran Reddy · M. Vijjulatha	<i>Journal of Computer-Aided Molecular Design</i> 34, 39-54 (https://doi.org/10.1007/s10822-019-00258-0) 2020	Computational design, synthesis and evaluation of new sulphonamide derivatives targeting HIV-1 gp120	2019/IF = 3.220
26	Prashanth Kumar Kolluri, Nirmala Gurrapu, N.J.P. Subhashini, Shravani Putta, Surya Sathyanarayana Singh, Tamalapakula Vani, Vijjulatha Manga	<i>Journal of Molecular Structure</i> , 2020, Vol 1202, https://doi.org/10.1016/j.molstruc.2019.127300	Design, synthesis of novel (Z)-2-(3-(4-((3-benzyl-2,4-dioxothiazolidin-5-ylidene)methyl)-1-phenyl-1H-pyrazol-3-yl)phenoxy)-N-arylacetamide derivatives: Evaluation of cytotoxic activity and molecular docking studies	2019/IF = 2.120

27	N. J. P. Subhashini · Kolluri Prashanth Kumar · Edigi Praveen Kumar · Putta Shrivani Surya Sathyanarayana Singh Tamalapakula Vani · Manga Vijjulatha	<i>Molecular Diversity</i> , https://doi.org/10.1007/s11030-020-10093-3 2020	Design and synthesis of novel (Z)-5-((1,3-diphenyl-1H-pyrazol-4-yl)methylene)-3-((1-substituted phenyl-1H-1,2,3-triazol-4-yl)methyl)thiazolidine-2,4-diones: a potential cytotoxic scaffolds and their molecular modeling studies	2019/IF = 2.229
28	Ravinder Dharavath, Nalaparaju Nagaraju, M. Ram Reddy, D. Ashok, M. Sarasija, M. Vijjulatha , Vani T, K. Jyothi and G. Prashanthi	<i>RSC Adv.</i> , 2020, 10, 11615	Microwave-assisted synthesis, biological evaluation and molecular docking studies of new coumarin based 1,2,3-triazoles	2019/IF = 3.049
29	Ravi Guguloth, Ayodhya Dasari, Ashok Dongamanti , Sarasija Madderla, Kumari Lunavath Shanthi	<i>Nano convergence</i> (2019), 6 (1), 12.	Facile synthesis, characterization and enhanced catalytic reduction of 4-nitrophenol using NaBH ₄ by undoped and Sm ³⁺ , Gd ³⁺ , Hf ³⁺ doped La ₂ O ₃ nanoparticles	2019/IF = 3.324
30	Ashok, Dongamanti , Devulapally, Mohan Gandhi; Aamate, Vikas Kumar; Gundu, Srinivas; Adam, Shaik; Murthy, S. D. S.; Balasubramanian, Sridhar; Naveen, Baindla; Parthasarathy, Tigulla	<i>Journal of Molecular Structure</i> (2019), 1177, 215-228.	Novel pyrano [3,2-b]xanthen-7(2H)-ones: Synthesis, antimicrobial, antioxidant and molecular docking studies	2019/IF = 2.011
31	K. S. Kumar , P. K. Naikawadi, R. Jatoh, R. Dandela	<i>Org. Biomol. Chem.</i> , 2019, 17, 7320– 7324	Bimetallic Cu/Pd-catalyzed three-component azide–alkyne cycloaddition/isocyanide insertion: synthesis of fully decorated tricyclic triazoles	2019/IF = 3.564
32	S. R. Meesa and P. K. Naikawadi, K. Gugulothu, K. S. Kumar	<i>Org. Biomol. Chem.</i> , 2020, 18, 3032-3037.	Catalyst and solvent switched divergent C–H functionalization: oxidative annulation of N-aryl substituted quinazolin-4-amine with alkynes	2019/IF =3.564
33	Raju Jannapu Reddy , Arram Haritha Kumari, Jangam Jagadesh Kumar and Jagadeesh Babu Nanubolu	<i>Adv. Synth. Catal.</i> 2019, 361, 1587–1591.	Cs ₂ CO ₃ -Mediated Vicinal Thiosulfonylation of 1,1-Dibromo-1-Alkenes with Thiosulfonates: An Expedient Synthesis of (E)-1,2-Thiosulfonylenes	2019/IF = 5.451

34	R. J. Reddy,* J. J. Kumar and A. H. Kumari	<i>Eur. J. Org. Chem.</i> , 2019, 3771-3775.	Unprecedented Reactivity of beta-Iodovinyl Sulfones: An Efficient Synthesis of beta-Keto Sulfones and beta-Keto Thiosulfones	2019/IF = 3.029
35	R. J. Reddy,* A. Shankar and A. H. Kumari	<i>Asian J. Org. Chem.</i> , 2019, 8, 2269-2275.	Efficient, Sequential One-Pot Approach for Diverse C3-Functionalized Imidazo[1,2-a]-pyridines Under Transition-Metal Free Conditions	2019/IF = 2.496
36	K. Ramaswamy, G. Ravi, P. Venkataswamy, V. Radha, N.R. Muniratnam, M. Vithal	<i>Comptes Rendus Chimie</i> , 2019, 22, 667-677	Effect of ion (Ag ⁺ , N ₃ ⁻) doping on the photocatalytic activity of Ruddlesden-Popper type layered perovskite K ₂ Nd ₂ Ti ₃ O ₁₀	2019/IF = 2.380
37	Perala Venkataswamy, Manasa Sunku, Ravi Gundeboina, Radha Velchuri and M. Vithal	<i>Catalysis Letters</i> , 2019, 149, 2332–2346	Fabrication of Novel Ag/AgBr/Cs ₂ Nb ₄ O ₁₁ Ternary Composite for Visible-Light Driven Photocatalysis	2019/IF = 2.320
38	P. Venkataswamy, D. Devaiah, D. Jampaiah, D. Mukherjee, M. Vithal , B. M. Reddy	<i>Catalysis Letters</i> , 2019, doi.org/10.1007/s10562-019-03014-z	Cr-doped CeO ₂ Nanorods for CO Oxidation: Insights into Promotional Effect of Cr on Structure and Catalytic Performance	2019/IF = 2.320
39	M. Malathi, Kammara Vaishnavi, G. Ravi, Manasa Sunku and M. Vithal ,	<i>J solid State Chemistry</i> , 2019, 276, 133-138.	Potassium Zirconium Oxalate: A novel precursor for the preparation of perovskite, pyrochlore and Nasicon type materials	2019/IF = 2.291
40	Vimala Kanikireddy, K. Kanny, Y. Padma, Radha Velchuri, Gundeboina Ravi, B. Jagan Mohan Reddy, and Muga Vithal ,	<i>J. Appl. Polym. Sci.</i> 2019, 136, 47331.	Development of alginate – gum acacia - Ag ₀ nanocomposites via green process for inactivation of foodborne bacteria and impact on shelf life of black grapes (<i>Vitis vinifera</i>)	2019/IF = 2.188

List of Publications of Department of Chemistry 2018-2019

Sl. No.	Author	Publication type	Title	ISSN no./Year of Publication/IF
[1]	[2]	[3]	[4]	[5]

	Name of Author(s) in the format Last name, First name, Middle name	Journal Article / Book / Book Chapter	Full title of the article / Chapter in Book / Book	YYYY
1	Sravani Akula, Swapna Kaamasani, SreeKanth Sivan, Vijjulatha Manga , Dashavantha Reddy Vudem, Rama Krishna Kancha.	J Thorac Oncol. 2018 May; 13(5):721-726	Computational analysis of epidermal growth factor receptor mutations predicts differential drug sensitivity profiles towards kinase inhibitors	2018/IF = 12.46
2	Saikiran Reddy Peddi, Nihaya Abdulsattar Mohammed, Ammar Adil Hussein, Sree Kanth Sivan, Vijjulatha Manga*	Structural Chemistry	Multiple receptor conformation docking, dock pose clustering and 3D QSAR driven approach exploring new HIV-1 RT inhibitors	2018/IF = 2.019
3	Srilatha Ballu, Ramesh Itteboina, Sree Kanth Sivan & Vijjulatha Manga	Journal of receptor and signal Transduction, 38(1), 61-70.	Structural insights of Staphylococcus aureus FtsZ inhibitors through molecular docking, 3D-SAR and molecular Simulations	2018 /IF = 2.277
4	Bhookya Shankar, Pochampally Jalapati, Balabadra SaiKrishna, Shyam Perugu Vijjulatha Manga	Chemistry Central Journal 12:1	Synthesis, ant-microbial activity of some novel substituted (5-(3-(1 <i>H</i> -benzo[d]imidazole-2-yl)-4-hydroxybenzyl)benzofuran-2-yl)(phenyl)mentanone analogs	2018/IF = 2.442
5	Dongamanti Ashok, Srinivas Gundu, Vikas Kumar Aamate, Mohan Gandhi Devulapally, Raju Bathini, Vijjulatha Manga	Journal of Molecular structure 1157, 312-321.	Dimers of coumarin-1,2,3-triazole hybrids bearing alkyl spacer: Design, microwave-assisted synthesis, molecular docking and evaluation as antimycobacterial and antimicrobial agents	2018/IF = 2.011
6	Srilatha Ballu, Ramesh Itteboina, Sree Kanth Sivan, Vijjulatha Manga*	Struct Chem	Pharmacophore modeling, 3D-QSAR, docking and molecular dynamic simulations on topoisomerase IV inhibitors of wild type <i>Staphylococcus aureus</i>	2018/IF = 2.019
7	Ramesh Gondru Saikiran Reddy Peddi Vijjulatha Manga Manjulatha Khanapur Rajitha Gali Narsimha Sirassu Rajitha Bavantula	Molecular Diversity	One-pot synthesis, biological evaluation and molecular docking studies of fused thiazolo[2,3- <i>b</i>]pyrimidinone-pyrazolylcoumarin hybrids	2018/IF = 2.229

8	Saikiran Reddy Peddi & Sree Kanth Sivan & Vijjulatha Manga*	Struct Chem	Discovery and design of new PI3K inhibitors through pharmacophore-based virtual screening, molecular docking, and binding free energy analysis	2018/IF = 2.019
9	Lingaiah Boddu, Ashok Kumar Pagudala, Durgaiah Gandamalla, Saikrishna Balabadra, Vijjulatha Manga , Narsimha Reddy Yellu , Subhashini N.J.P	Journal of Molecular Structure 1166 (2018) 362-368.	Synthesis, anticancer activity and docking studies of N-phenyl-2-(2-((4-phenyl piperazin-1-yl) methyl)-1H-benzo [d] imidazol-1-yl)acetamides,	2018/IF = 2.011
10	Saikiran Reddy Peddi, Sree Kanth Sivan & Vijjulatha Manga*	Journal of Biomolecular Structure and Dynamics , 2018 36(2), 486-503.	Molecular dynamics and MM/GBSA-integrated protocol probing the correlation between biological activities and binding free energies of HIV-1 TAR RNA inhibitors	2018/IF = 4.986 (Cited by 10)
11	N. J. P. Subhashini, B. Bhadraiah, P. Janaki, Gattu Sridhar,	<i>Synthetic communications</i> , 2018, 48(5), pp496-499	An Alternative Total synthesis of Patulolide A	2018/IF = 1.377
12	Sravanthi K , Snehalatha P . N. J. P. Subhashini	Journal of Heterocyclic Chemistry, 2018, 55(2) pp 508-516.	Microwave assisted Green synthesis of pyrazole, 1, 2, 3- triazole based novel benzohydrazones and their antibacterial activities	2018/IF = 1.251
13	N.J.P. Subhashini , E. Praveenkumar, Gurrapu. Nirmala, Vishwanadham Yerragunta,	Journal of Molecular Structure, 2018,1180, 618-628	Design and synthesis of imidazolo-1,2,3-triazoles hybrid compounds by microwave-assisted method: Evaluation as an antioxidant and antimicrobial agents and molecular docking studies	2018/IF = 2.12
34	Akhila Mettu, Venu Talla, Deepthi Madanlal Bajaj, Subhashini Naikal James Prameela	Archiv der Pharmazie, 2019 (In press).	Design, synthesis and molecular docking studies of novel pyrazolyl 2-aminopyrimidine derivatives as HSP90 inhibitors	2019/IF = 2.145
15	P. Bharath Kumar Reddy, K. Ravi, K. Mahesh and P. Leelavathi * .	Tet. Lett. 59, 4039, 2018	Intramolecular Heck reaction: A facile sequential one-pot synthesis of 1,2,3,4 - tetrahydro benzo [b][1,6]naphthyridines .	2018/IF = 2.259

16	B. Shekhar, P. Vasantha, B. S. Kumar, P.V. Anantha Lakshmi	Applied organometallic Chemistry, 2018, 32:e4254	Multispectroscopic DNA interaction and Docking studies	2018/IF = 3.581
17	Lakshmi Narayana Sharma Konidena, Sathish Kumar Boda, Suresh Kumar Chettu, Kumaraswamy Sorra, Sreenivas Enaganti, Praveena Mukkavilli, N. S. Kameswara Rao, P. V. Anantha Lakshmi , Raghu Babu Korupolu	Research on Chemical Intermediates, 2018, 44 (9), 5467-5481	Synthesis, biological evaluation and molecular docking studies of novel 2-(2-cyanophenyl)-N-phenylacetamide derivatives	2018/IF = 1.674
18	B. S. Kumar, P.Vasantha, P. V. Anantha Lakshmi , Ch Srinivas, P Grover	Chemistry and Biodiversity, 2018, 15(6), e18000101	1,2,3-Triazole Tagged 3H-Pyrano[2,3-d]pyrimidine-6-carboxylate Derivatives: Synthesis, in Vitro Cytotoxicity, Molecular Docking and DNA Interaction Studies	2018/IF =1.617
19	P.Vasantha, B.S.Kumar, B.Shekhar, P.V.Anantha Lakshmi	Material Science and Engineering C , 2018, 90(1), 621-633	Copper-metformin ternary complexes: Thermal, photochemosensitivity and molecular docking studies	2018/IF =5.08
20	K. S. Kumar,* B. Rajesham, N. P. Kumar, M. S. Ramulu, D. R. Dandela,	<i>Chemistry Select</i> , 2018, 3 , 4581-4585	A ligand/additive/base free C(sp ²)-H activation and isocyanide insertion in PEG-400: Synthesis of indolizine/imidazoline fused heterocyclics	2018/IF = 1.505
21	K. S. Kumar,* N. P. Kumar, B. Rajesham, G. Kishan, S. Akula and R. K. Kanch,	<i>New J. Chem.</i> , 2018, 42 , 34-38.	Silver-catalyzed synthesis of pyrrolpiperazine fused with oxazine/imidazole via a domino approach: evaluation of anti-cancer activity,	2018/IF = 3.069
22	K. S. Kumar,* N. P. Kumar, M. S. Ramulu,	<i>New J. Chem.</i> , 2018, 42 , 11276-11279.	Unexpected C–N bond formation via Smiles rearrangement: one pot synthesis of N-arylated coumarin/pyran derivatives,	2018/IF = 3.069
23	K. S. Kumar,* P. K. Naikawadi, B. Rajesham, D. Rambabu,	<i>New J. Chem.</i> , 2019, 43 , 4333-4337.	Four-component, three-step cascade reaction: an effective synthesis of indazole-fused triazolo[5,1-c]quinoxaline,	2018/IF = 3.069
24	K. S. Kumar,* S. R. Meesa, P. K. Naikawadi,	<i>Org. Lett.</i> , 2018, 20, 6079-6083.	Palladium-Catalysed [2+2+2] Annulation via Transformations of Multiple C-H bonds: One-Pot Synthesis of Diverse Indolo[3,2-a]carbazoles	2018/IF =6.49

25	S. Y. Abate, W.-T. Wu, Someshwar Pola and Yu-Tai Tao	RSC Advances 2018, 8, 7847	Compact TiO ₂ films with sandwiched Ag nanoparticles as electron-collecting layer in planar type perovskite solar cells: improvement in efficiency and stability	2018/IF = 3.049
26	D. Bharath, M. Sasikumar, N. R. Chereddy, J. R. Vaidya, Someshwar Pola*	Solar Energy 2018, 174, 180	Synthesis of new 2-((5-(4-alkyl-4H-dithieno[3,2-b:2',3'-d]pyrrol-2-yl)thiophen-2-yl)methylene)malononitrile: Dopant free hole transporting materials for perovskite solar cells with high power conversion efficiency	2018/IF = 4.674
27	R. J. Reddy,* Md. Waheed, T. Karthik and A. Shankar	New J. Chem., 2018, 42, 980-987	Efficient synthesis of 4-aryl-5-multifunctional-2H-1,2,3-triazoles from nitroallylic derivatives <i>via</i> cycloaddition-denitration process	2018/IF =3.069
28	R. J. Reddy,* A. Shankar, Md. Waheed and J. B. Nanubolu	Tetrahedron Lett., 2018, 59, 2014-2017	Metal-free highly regioselective sulfonylation of <i>NH</i> -1,2,3-triazoles with sodium sulfinates and thiosulfonates	2018/IF =2.259
29	R. J. Reddy,* Md. Waheed and J. J. Kumar	RSC Adv., 2018, 8, 40446–40453	A straightforward and convenient synthesis of functionalized allyl thiosulfonates and allyl disulfanes	2018/IF =3.049
30	K Sudeepa, N Narsimha, B Aparna, S Sreekanth, AV Aparna, M Ravi, Sarala Devi Ch*	Journal of Chemical Sciences, 2018 130 (5), 52	Synthesis, spectral characterization, antimicrobial, DNA interactions and molecular modeling studies of metal complexes of 1, 3-benzothiazole carbohydrazone.	2018/IF = 1.2
31	N Nagula, S Kunche, M Jaheer, R Mudavath, S Sivan, Sarala Devi Ch*	Journal of fluorescence 2018, 28 (1), 225-241	Spectro Analytical, Computational and In Vitro Biological Studies of Novel Substituted Quinolone Hydrazone and it's Metal Complexes,	2018/IF = 1.913
32	Subhashini N.J.P., Sravanthi Chinthala, and Shivaraj* .	<i>Journal of Heterocyclic Chemistry.</i> 55, 251, 2018.	Design, Synthesis, Characterisation and Anti-microbial Evaluation of Novel 2-(3, 5-di methoxy-4-((1-aryl-1H-1, 2, 3-triazole-4-yl) methoxy) phenyl) benzo[d]thiazoles	2018/IF = 1.241
33	Kadasi Sundeep, Costa Thadeu E.M.M, Arukala Neha, Toshakani Mallika, Dugginetti Chaitanya, Thota Sreekanth, Gupta Sayan D,	<i>Medicinal Chemistry,</i> 14 (9), 44-52, 2018.	Drug design, synthesis and in vitro evaluation of substituted benzofurans as Hsp90 inhibitors,	2018/IF = 2.53

	Penido Carmen, Henriques Maria G, Raghavendra Nulgumnalli and Shivaraj ,			
34	Kadtala Venkateswarlu, Marri Pradeep Kumar, Aveli Rambabu, Narendrula Vamsikrishn, Sreenu Daravath, Krishnan Rangan, and Shivaraj*	<i>Journal of Molecular Structure</i> , 1160, 198-207, 2108	Crystal structure, DNA binding, cleavage, antioxidant and antibacterial studies of Cu(II), Ni(II) and Co(III) complexes with 2-((furan-2-yl) methylimino)methyl)-6-ethoxyphenol Schiff base:	2018/IF = 2.011
35	Nirmala Ganji, Aveli Rambabu, Narendrula Vamsikrishna, Sreenu Daravath, and Shivaraj*	<i>Journal of Molecular Structure</i> . 1173, 173-182, 2018.	Copper(II) complexes with isoxazole Schiff bases: Synthesis, spectroscopic investigation, DNA binding and nuclease activities, antioxidant and antimicrobial studies..	2018/IF = 2.011
36	D. Shiva Shankar, Aveli Rambabu, Narendrula Vamsikrishna, Nirmala Ganji, Sreenu Daravath and Shivaraj*	<i>Inorganic Chemistry Communications</i> , 98(2018)48-57.	Three mononuclear Cu(II) complexes based on p-tolylmethanamine Schiff bases: In-vitro cytotoxicity, DNA binding ability, Nuclease activity and antibacterial studies.	2018/IF = 1.795
37	A. Muralidhar, A. K. D. Bhavani, Anwita Mudiraj, Nikhik Ranjan, mallikarjun T., Prakash Babu	European Journal of Medicinal Chemistry, Vol. 156, 43-52, 2018	Synthesis of pyrazolo[3,4-d]pyrimidin-4(5H)-ones tethered to 1,2,3-triazoles and their evaluation as potential anticancer agents,	2018/IF = 4.833
38	Ashok, Dongamanti ; Gundu, Srinivas; Aamate, Vikas Kumar; Devulapally, Mohan Gandhi; Bathini, Raju; Manga, Vijjulatha	<i>Journal of Molecular Structure</i> (2018), 1157, 312-321.	Dimers of coumarin-1,2,3-triazole hybrids bearing alkyl spacer: Design, microwave-assisted synthesis, molecular docking and evaluation as antimycobacterial and antimicrobial agents	2018/IF = 2.011