

**Research Publications of the Faculty
2020-21**

S No	Title of the Research Publication	Name of the Faculty	International / National	Name of the Journal	Date of Publication	Details	Indexing Scopus/WoS/SCI/UR/UC	Link of the recognition in UGC enlistment of the Journal
1	Dr.K.Shashikala	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	International	Organic chemistry Plus	July 2020	Vol 1 Issue 2, 39 IF 0	-	https://ojs.wiserpub.com/index.php/OCP/article/view/287
2	Dr. N.Subhadra	A mathematical study on two layered blood flow of a couple-stress fluid	International	AIP conference proceedings	July 2020	2246,020 054 IF 0.415	Scopus	https://doi.org/10.1063/5.0014549
3	Dr. N.Subhadra	Heat and mass transfer effects of power-law fluid in an inclined tube	International	AIP conference proceedings	July 2020	2246,020 054 IF 0.415	Scopus	https://doi.org/10.1063/5.0014425
4	P. Sailaja	Existence of bounded solutions for first order Kronecker product	International	International Journal of Recent Scientific Research	July 2020	SJIF IF 6.86 Vol.11, Issue 07; pp39336-39341	-	http://dx.doi.org/10.24327/ijrsr.2020.1107.5479

		systems on time scales						
5	Dr. G.Neeraja Rani	Effect of annealing on photoluminescence of MgAl _{1.8} Y _{0.14} Eu _{0.06} O ₄	International	Chemical Physics	August 2020	539(2020)110937 I.F. 2.348	Scopus	https://doi.org/10.1016/j.chemphys.2020.110937
6	Dr. R Sanjeev	Attenuation of aliphatic acids extended to alkanes the acids via the aliphatic alcohols: An educational perspective	International	Khimaya (Bulgaria)	September 2020	Vol.8,No .2,61-66	UC	https://www.cceol.com/search/article-detail?id=893675
7	Dr. R Sanjeev	Comparison of substituent effect in benzene, pyridines, phosphorines and their protonated species	International	World Journal of Chemical Education (USA)	September 2020	Vol.8,No .4,155-162	UC	http://pubs.sciepub.com/wjce/8/4/3/index.html

8	Dr. R Sanjeev	Application of Hammett equation to hydrogen bond interactions of benzoic acid in chloroform/water system and explanation for non-linear Hammett relation to partition coefficients for the same system	International	Computational and Theoretical Chemistry	Sep-20	1190 113024 IF 1.9	Scopus/WoS/S CI/UC	https://doi.org/10.1016/j.comptc.2020.113024
9	A. Ramesh	Investigation on natural convective flow of ethylene glycol nanofluid containing nanoparticles Fe ₃ O ₄ in a porous cavity with radiation	International	AIP Conference Proceedings	Oct-12-2020	2269,060 004 IF 0.415	Scopus	https://doi.org/10.1063/5.0019589
10	Dr. N.Subhadra	Mathematical approach to study heat and mass transfer effects in transport phenomena of a non-Newtonian fluid	International	AIP Conference Proceedings	Oct-12-2020	IF 0.415	Scopus	https://doi.org/10.1063/5.0019477

11	P. Sailaja	A New approach to the construction of transition matrix with application to control systems	International	AIP Conference Proceedings	Oct-12-2020	IF 0.415	Scopus	https://doi.org/10.1063/5.0019590
12	J. Shankar	Study of microstructure and thermal properties of PbTiO ₃ based glass ceramics	International	AIP Conference Proceedings	October, 2020	2269(030077) IF 0.415	Scopus	https://doi.org/10.1063/5.0019493
	A. Shiva Kumar,							
	J. Anjaiah							
	G. Neeraja Rani,							
	P. Raju							
13	G. Neeraja Rani	Quenching effect of co-dopant Pr ³⁺ on red emitting yttrium vanadate phosphor doped with Eu(III)	International	AIP Conference Proceedings	October, 2020	IF 0.415	Scopus	https://doi.org/10.1063/5.0019645
	J. Shankar							
	P. Raju							
	J. Anjaiah							
	B. Mamatha							
14	B. Mamatha	Enhanced electrical properties of Sr(Bi _{3.9} La _{0.1})(Ti _{3.975} Zr _{0.025})O ₁₅ ceramic with the doping of Nd	International	AIP Conference Proceedings	October 2020	2269,030069-1-030069-6	Scopus	https://doi.org/10.1063/5.0020033
	G. Neeraja Rani,							

15	G. Latha Suhasini	Web 2.0 Tools: Use Of Kahoot To Reduce The Spelling Mistakes Among B.Tech Learners Of Communicative English	International	International Journal of Interdiscipli n ary Research in Arts and Humanities (IJIRAH)	2020	(www.dv publicati on.com) Volume 5, Issue 2, IF 5.225	Scopus	https://zenodo.org/record/4075378#.YmZrCtpBzcs
16	Dr. R. Sanjeev	A simple rule of thumb for the explanation of d orbital splitting in complexes	International	Edcucacion Q uimica (Mexico) http://www.r e vistas.unam. mx/index.ph p/req/article/ vi ew/71913	October 2020	IF 0	Scopus	http://dx.doi.org/10.22201/fq.18708404e.2020.4.71913
17	G.Padma Dr.Nuslin Bibi	Heat and mass transfer on unsteady magneto hydrodynamic flow through porous medium in a rotating channel	International	AIP (American Institute of Physics)	October 2020	Vol 2269(03 0043) IF 0.415	Scopus	https://doi.org/10.1063/5.0019930
18	Dr. Nuslin Bibi	Chemical reaction and soret, Dufour	International	AIP (American	October 2020	2.,2020, Vol	Scopus	https://doi.org/10.1063/5.0019641

	G.Padma	effect on radiation-convection flow with porous medium		Institute of Physics)		2269(030042) IF 0.415		
19	Dr. Raju Panthagani	Structural and microwave behaviour of Dy ₃₊ - substituted Ni _{0.5} Zn _{0.5} Dy _x Fe _{2-x} O ₄ ferrites	International	Journal of material Science and Material electronics	Nov 2020	IF 2.195	Scopus/S CI/UC	https://www.springerprofessional.de/en/structural-and-microwave-behavior-of-dy3-substituted-ni0-5zn0-5d/18722030
20	V Manjula	Influence of Hydrogen bond networks in Glycerol/NMp mixtures studied by Dielectric relaxation spectroscopy	International	Journal of Molecular Structure	December 2020	129703 IF 3.196	Scopus/S CI	https://doi.org/10.1016/j.molstruc.2020.129703
21	Dr.B.Nagamani	Engaging Online classes through JAM board- a web 2.0 tool	International	International journal of Multidisciplinary Educational Research	December 2020	ISSN:2277-7881; I.F:6.514 (2020); IC VALUE: 5.16; ISI VALUE: 2.286	UC	http://s3-ap-southeast-1.amazonaws.com/ijmer/pdf/volume10/volume10-issue1(6)/18.pdf

22	P. Sailaja,	Existence of Ψ^{α} Bounded Solutions of Linear First Order Fuzzy Lyapunov Systems- A New Approach	International	International Research Journal of Engineering and Technology	January, 2021	2395-0072	UC	https://www.irjet.net/archives/V8/i1/IRJET-V8I175.pdf
23	Dr.K.Shashikala	FeF ₃ mediated synthesis of 3,4-Dihydro-3-pyridyl-2H-naphtho[2,1-E][1,3]oxazine derivatives.	International	Heterocyclic letters	Jan 2021 IF 0	Vol. 11No.1 Nov-Jan 2021 ISSN :(print) 2231–3087 /(online) 2230-9632	UR	http://heteroletters.org/
24	N. Nagireddy	Chemical reaction impact on MHD natural convection flow through porous medium past an exponentially stretching sheet in presence of heat source/sink and viscous dissipation	International	Case studies in thermal Engineering	Jan 2021	Vol.25, 10087 IF 4.724	Scopus/ WoS/SC I	https://doi.org/10.1016/j.csite.2021.100879

25	Dr.K.Shashik ala	An efficient Synthesis of Novel Anti influenza Viral and Cytotoxic Derivatives of 4- oxothiazolidin-3- yl)-3- hydroxyquinoxalin e- 2-carboxamide	International	AIP proceedings	Feb 2021	327,0200 36(2021) ;https://d o i.org/10. 1063/5.0 039763	Scopus	https://doi.org/10.1063/5.0039763
26	Dr.Anurag Gowtham	Recent Trends in Noble Metal Nanoparticles for Colorimetric Chemical Sensing and Micro- Electronic Packaging Applications	International	Metals	Feb 2021 IF 2.351	2021, 11(2),32 9; http s://doi.or g/10.339 0/met11 0 20329	Scopus/ WoS/SC I/UC	https://doi.org/10.3390/met11020329
27	Dr. B.Nagamani	Flip-Flop with ICT	National	The English Language Classroom	June- Decemb er-2020- Volume- 22	2250- 2831		NA
28	A. Ramesh	Impact of Soret and Dufour on bioconvective flow of nanofluid in porous square cavity	International	Heat transfer	10 March 2021 IF 1.856	https://d o i.org/10. 1002/htj. 22118	Scopus/ WoS/ UC	http://dx.doi.org/10.1002/htj.22118

29	Dr.P.Raju	Enhanced microwave absorption properties of Ni 0.48 Cu0.12 Zn 0.4 Fe ₂ O ₄ polyaniline nano composites	International	Journal of physics and chemistry of solids	15 March 2021	154(2021)10048 IF 3.995	Scopus	https://doi.org/10.1016/j.jpccs.2021.110048
	Dr.Neeraja Rani							
30	J. V. Madhuri	Prediction Of Bioactivity Of Phytochemicals In Anethum Graveolens – An In Silico Approach	International	Plant Cell Biotechnology And Molecular Biology	April,2021	0972-2025 IF 0.2	Scopus	https://www.ikpress.org/index.php/CBMB/article/view/6256
	K. Satish							
31	Dr. J. V.Madhuri	A Framework for Developing Intellectual Property Perspective among Computer Science Students	International	Innovations	April, 2021	19650256 (E)12674982 (P) IF 0.407	Scopus	http://journal-innovations.com/assets/uploads/doc/70c44-23230.pdf
32	A. V. Ramaiah chary	Developing Creative Writing Skills among the Students at Secondary Level through Authentic Materials.	International	Literary Herald An International Refereed/Paper-reviewed English e-Journal	April, 2021	2454-3365 IF 6.292		NA

33	Dr. Anurag Goutam	Hardcore proof of the polyvinyl alcohol as a reducer for the formation of gold nano particles.	International	Journal of Molecular Liquids	April 2021	334(2021)11611-2 IF 6.16	Scopus/ WoS/SC I/UC	https://doi.org/10.1016/j.molliq.2021.116112
34	Dr. K. Shashikala	Synthesis, biological evaluation and docking studies of 1,2,4-oxadiazole linked 5-fluorouracil derivatives as anticancer agents	International	BMC Chemistry	May 2021	ISSN: 2661-801X IF 2.610	Scopus /SCI/UC	https://bmcchem.biomedcentral.com/articles/10.1186/s13065-021-00757-y
35	R. Sanjeev	The Pka of pentazole	International	Australian journal of Chemistry	May 2021	ISSN: 0004-9425 IF 1.3	Scopus/ WoS/SC I/UC	https://www.publish.csiro.au/CH/CH21014#:~:text=The%20more%20accurate%20value%20of,1).
36	Dr. Anurag Gautam	Enhanced Optical and Electrical Properties of Graphene Oxide-Silver Nanoparticles Nanocomposite Film by Thermal Annealing in the Air	International	Russian Journal of Applied Chemistry	May 2021	ISSN : 1608-3296	Scopus/ SCI	https://link.springer.com/article/10.1134/S1070427221030186

37	K.Venkateshwarlu, V. S. Triveni,G. Mahesh	A new trigonometrical method for solving nonlinear transcendental equations	International	Journal of Mathematics and Computer Science	May-2021	ISSN: 2008-949X IF 0.83	Scopus WoS/UC	http://dx.doi.org/10.22436/jmcs.025.02.06
38	Dr. J. V.Madhuri	Molecular docking studies of Chenopodium album Linn with Lanosterol Synthase enzyme	International	Journal of Applied and Natural Science	June 2021	ISSN : 0974-9411(Print), 2231-5209(Online)	Scopus /UC	https://doi.org/10.31018/jans.v13i2.2618
39	Dr. P. Raju	Effect of BaTiO ₃ phase on frequency dispersion Characteristics of Mg _{0.48} Cu _{0.12} Zn _{0.4} Fe ₂ O ₄ + BaTiO ₃ nano composites.	International	Materials Science and Engineering	June 2021	272(2021)11534-0 IF 5.234	Scopus/S CI	https://doi.org/10.1016/j.mseb.2021.115340
40	N.Nagi reddy	Impact of thermal radiation and chemical reaction on MHD heat and mass transfer casson nanofluid flow past a stretching sheet in presence of heat source /sink	International	ARNP Journal of Engineering and Applied Sciences	June 2021	Vol.16., No.11 ISSN1819-6608 I.F.1.3	Scopus/ UC	http://www.arnpjournals.org/jeas/research_papers/rp_2021/jeas_0621_8601.pdf

41	V. Manjula	Molecular Interaction Studies of hydrogen bonded N-methyl - 2- Pyrrolidone/ ethanol binary mixtures by dielectric relaxation spectroscopy and their temperature dependence	International	Physica B- Physics of condensed matter	June 2021	Physics B 6194132 31	Scopus/S CI	https://doi.org/10.1016/j.physb.2021.413231
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