

**Research publications of the faculty
2019-20**

S No	Name of the Faculty	Title of the Research Publication	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. P.Raju	Microstructure, Frequency, and Temperature dependent dielectric properties of Zinc ferrites	International	AIP Conference Proceedings	July 2019	2115 (030113) 1-4 IF 0.7	Scopus	https://doi.org/10.1063/1.5112952
2	Dr. G.Mahesh	Fourth order computational method for two parameters singularly perturbed boundary value problem using non-polynomial cubic spline	International	International Journal of computing Science and Mathematics	July 2019	Vol 10, no. 3, pp:261 IF 1.94	Scopus/UR	http://www.chemmethod.com/article_89838.html

3	Dr. K.Sanjeev	Can Non-bonded Pair of Electrons of Sp ³ Nitrogen-Bonds on Either Side Still Transmit Substituent Electronic Effects to the Reaction Site? Reversal of Attenuation Effect by Sp ³ Nitrogen—A Chemical Education Perspective	International	Chemical methodologies	Aug 2019	Vol 4 pp 106-114 IF 4.789	Scopus/ WoS/SC I/UC	http://www.chemmethod.com/article_89838.html
4	Dr. G.Neeraja Rani, Dr. J.Shankar Dr. J.Anjaiah Dr. B.Mamatha	Preparation and characterization of red emitting Yttrium Vanadate phosphor doped with Eu(III): Y ₁ -XVO ₄ : Eu _x	International	AIP Conference Proceedings	Oct 2019	2162,020 117 pp: 020117-1 to 020117-7 IF 0.7	Scopus	https://doi.org/10.1063/1.5130327
5	Dr. J.Anjaiah	Thermo luminescence	International		October, 2019	https://doi.org/10.1	Scopus	https://doi.org/10.1063/1.5130253

	Dr. G.Neeraja Rani, Dr. J.Shankar Dr. P.Raju	Characteristics and dosimetric aspects of Li ₂ O-CaO-B ₂ O ₃ glasses doped with rare earth ions		AIP Conference Proceedings		063/1.51 IF 0.7 30253		
6	Dr. P.Raju Dr. J.Shankar Dr. J.Anjaiah	\Shielding effectiveness studies of NiCuZn Ferrite-Polymer nanocomposites for EMI suppressors applications	International	AIP Conference Proceedings	October, 2019 IF 0.7	https/doi.org/10.1063/1.5130237	Scopus	https://doi.org/10.1063/1.5130237
7	Dr. K.Sanjeev	Non-associative behavior of thiohenols, Troutons Rule, ramsey shiel – Etovos equation and application of Hammett equation to the surface tension data –a chemical education perspective	International	Education Quimica-Mexico	Oct 2019	vol.4, pp:83-88 IF 0	Scopus/ UC	http://dx.doi.org/10.22201/fq.18708404e.2019.4.69633

8	A.Ramesh	Effect of chemical reaction on Bio convective Flow in Oxytactic Microorganisms Suspended Porous Cavity	International	Journal of applied and computational mechanics	Oct 2019	6(3) IF 3.9	Scopus/ WoS	http://dx.doi.org/10.22055/JA CM.2019.14811
9	Dr. Uma Devi	Writing Skills Sessions in English Language, Curriculum – A broader perspective to teach environmental awareness in undergraduate English Classes	International	Ideal International E-Publication Pvt. Ltd.	Nov 2019 IF 0	PP: 16-20, ISBN Number: 978-81-941310-2-1		NA
10	A. Ramesh	Bioconvection in oxytactic microorganism-saturated porous square enclosure with thermal radiation impact	International	Journal of thermal analysis and calorimetry	Nov 2019 IF 5.1	https://doi.org/10.1007/s10973-019-09009-7	Scopus/ WoS/SC I/UC	https://link.springer.com/article/10.1007/s10973-019-09009-7

11	Ms. V.Manjula	Investigation of Temperature dependent dielectric relaxation studies of 1,4-Butanediol/DM SO binary mixtures at the microwave frequency	International	Journal of Molecular Liquids of ELSEVIER	Nov 2019	IF 5.065299 (2020)11 2190	Scopus/S CI	https://doi.org/10.1016/j.molliq.2019.112190
12	Dr. G.Mahesh	Numerical Approach for Differential-Difference Equations with Layer behaviour	International	Communications in Mathematics and Applications	Dec 2019	Vol 10, No. 4, pp: 851-863	WoS	http://dx.doi.org/10.26713/comm.v10i4.1309
13	Dr. G.Mahesh	Fitted difference approach for differential equations with display and advanced parameters	International	J.Math.Comput.Sci.	Jan 2020 IF 0.2	10, 3,479-496	Scopus	NA
14	Dr. R.Sanjeev	Do phase transition temperatures Tmp and Tbp obey linear free energy relationships?	International	Journal of Molecular Liquids	Jan 2020	Vol No. 302, IF 6.16	Scopus/ WoS/SC I/UC	https://doi.org/10.1016/j.molliq.2020.112496

15	Dr. R. Sanjeev	Is interfacial tension of a liquid-air interface thermodynamically a cyclic process?	International	Journal of Molecular Liquids	Jan 2020	Vol 298, IF 6.16	Scopus/WoS/SCI/UC	https://doi.org/10.1016/j.molliq.2019.112138
16	V Manjula	Frequency and temperature dependent dielectric studies of propylene glycol-sulfolane binary mixtures in the microwave frequency region	International	Spectrochimica acta partA	Feb- 20	Volume 233,1181 89IF 4.098	Scopus/S CI/UC	https://doi.org/10.1016/j.saa.2020.118189
17	V Manjula	Dielectric relaxation and thermodynamic study of Dimethylformamide/1,4-Butanediol binary mixtures in the temperature range 298K-323K	International	Physica B	01/03/2020 IF 2.436	Volume 588, 412142	Scopus/S CI/UC	https://doi.org/10.1016/j.physb.2020.412142

18	Dr. R. Sanjeev	Attenuation Effect in Twenty one Different Proton Dissociation Equilibriums Broughton one rope: A chemical Education Tool for evaluation of pKa of proton dissociation equilibrium of any substituted benzene.	International	World Journal of Chemical Education (USA	March 2020	Vol.8, No2, 61-66 IF 0	UC	http://www.sciepub.com/WJCE/content/8/2
19	Mrs P. Sailaja	On The Existence of Ψ^α - Bounded Solution For A Non-Homogenous Fuzzy To Two-Point Boundary Value Problem First Order Matrix Difference System With An Application	International	International Journal of Current Research	May- 2020	0975-833X IF 0	-	http://journalcra.com/article/existence-%CF%88%CE%B1-bounded-solution-non-homogenous-fuzzy-first-order-matrix-difference-system

20	Mrs P. Sailaja	Two-Point Boundary Value Problems Associated With First Order Fuzzy Differential Equations– Existence and Uniqueness	International	International Journal of Scientific & Engineering Research	May- 2020	2229-5518IF 4.2	-	https://www.citefactor.org/journal/pdf/Two-Point-Boundary-Value-Problems-Associated-With-First-Order-Fuzzy-Differential-Equations%E2%80%93Existence-and-Uniqueness.pdf
21	Dr.J. Anjaiah	Complex permittivity and permeability properties analysis of NiCuZn Ferrite-Polymer nanocomposites.	International	International Journal of Physics: Conference Series	June 2020	IF 0.21		http://dx.doi.org/10.1088/1742-6596/1495/1/012001
	Dr.J.Shankar,							
	Dr.P.Raju							
	Ch.Kalyani							
Dr. G.Neeraja Rani								
22	Dr. J.Anjaiah	Solid State Root Preparation, Characterization and Electrical Properties of NiCuZnFe ₂ O ₄ / Paraformaldehyde Nanocomposites	International	International Journal of Physics: Conference Series	June 2020	1742-6597 IF 0.21	Scopus	http://dx.doi.org/10.1088/1742-6596/1495/1/012004
	Dr.J.Shankar							
	Dr.P. Raju							
	S.Rajesham							

	Dr. G.Neeraja Rani							
23	Dr. G Mahesh	An iterative method for solving non-linear transcendental equations	International	Journal of Mathematical and Computational Science	29th June 2020	1927-5307 IF 0.22	Scopus/S CI/UR	https://doi.org/10.28919/jmcs/4723
	Dr K Venkateshwarlu							
24	Dr. N.Subhadra	Influence of Slip and Heat and Mass Transfer Effects on Peristaltic motion of Power-law fluid Prone to the Tube	National	Journal of Physics: Conference Series (IOP)	June 2020	1742-6596 IF 0.21	Scopus	http://dx.doi.org/10.1088/1742-6596/1495/1/012039