

Number of research papers published per teacher in the Journals as notified on UGC CARE list during 2020-2021

S NO	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal
1	Ultrasonic Study of Molecular Interactions in Binary Mixtures of Benzyl Benzoate with 2-alkoxyethanols at Various Temperatures”	Dr.G.Srinivasa Rao	Physics	International Journal: Psychology and Education	2020	1553-6939	http://psychologyandeducation.net/pae/index.php/pae/article/view/3645
2	Thermoacoustic and phase equilibrium studies of cyclohexanone, cyclohexylamine and cyclohexanol in ethyl lactate at different temperatures at 95.3 kPa” in an international Journal: Psychology and Education,	Dr.G.Srinivasa Rao	Physics	International Journal: Psychology and Education	2020	1553-6939	http://psychologyandeducation.net/pae/index.php/pae/article/view/3648
3	Computational Studies of Speeds of Sound in The Binary Mixtures of Green Solvent with Substituted Benzenes at 303.15 K”	Dr.G.Srinivasa Rao	Physics	Sambodhi	2020	2249-6661	https://www.researchgate.net/scientific-contributions/PVS-Sairam-2051172717
4	‘Effect of Some Modifier Ions in CuO Doped Sodium Borosilicate Antibacterial Bioglass’	Dr. G. Sahaya baskaran	Physics	Asian Journal of Chemistry	2021	0975-427X	https://www.researchgate.net/publication/349356413_Effect_of_Some_Modifier_Ions_in_CuO_Doped_Sodium_Borosilicate_Antibacteria

5	Vermiwash-derived Enzyme-Activated ZnO Nanomaterial' Towards Two Cascading Applications: Enhanced Photocatalysis and Effective Irrigation	Dr. G. Sahaya baskaran	Physics	Journal of Materials Science: Materials in Electronics	2020	0957-4522	https://www.researchgate.net/publication/350304703_Vermiwash-derived_enzyme-activated_ZnO_nanomaterial_tow
6	Influence of Al ³⁺ and Sb ³⁺ ions on thermo and photoluminescence properties of Pr ₂ O ₃ doped PbO – SiO ₂ glasses for optical use	Ch. Srinivasa Rao	Physics	Journal of Luminescenc	2020	0022-2313	https://www.researchgate.net/publication/342633305_Influence_of_Al3_and_Sb3_ions_on_thermo_and_photoluminescence_properties_of
7	Structure, and opto-dielectric investigations of Cu ²⁺ - doped calcium bismuth silicate glass ceramics	Ch. Srinivasa Rao ,	Physics	Optical Materials	2021	0925-3467	https://www.researcher-app.com/paper/7016135
8	Zr _x Ca _{30-x} P ₇₀ thermoluminescent bio glass, structure and elasticity	Ch. Srinivasa Rao	Physics	Journal of the Mechanical Behavior of Biomedical Materials	2021	1751-6161	https://www.sciencedirect.com/science/article/abs/pii/S1751616121002022
9	Long-term analysis of thunderstorm related parameters over Visakhapatnam and Machilipatnam	M.C. Rao	Physics	Acta Geophysica	2020	1895-7455	https://doi.org/10.1007/s11600-020-00431-2
10	Satellite Based Interpretation of Stability Parameters on Convective Systems over India and Srilanka	M.C. Rao	Physics	Asian Journal of Atmosphric Environment	2020	19766912	https://doi.org/10.5572/ajae.2020.14.2.119

11	Analysis of various thermodynamic instability parameters and their association with the rainfall during thunderstorm events over Anakapalle (Visakhapatnam district), India	M.C Rao	Physics	Acta Geophysica	2020	1895-7455	http://dx.doi.org/10.1007/s11600-020-00478-1
12	Impact of convection and stability parameters on lightning activity over Andhra Pradesh, India	M.C Rao	Physics	Acta Geophysica	2020	1895-7455	doi: 10.1007/s11600-020-00479-0
13	Structural and electrochemical properties of LiNiO ₂ cathodes prepared by solid state reaction method	M.C Rao	Physics	Ionics	2020	1862-0760	https://link.springer.com/article/10.1007/s11581-020-03751-x
14	AR-ESIHE and ARS-ESIHE-based image enhancement methods on 9oba pure and nanodispersed liquid crystalline compound	M.C Rao	Physics	Molecular Crystals Liquid Crystals	2020	1563-5287	https://doi.org/10.1080/15421406.2020.1724459
15	Spectroscopic studies on liquid crystalline p-n-nonyloxy benzoic acid (9oba) Dispersed citrate capped gold nanoparticles	M.C Rao	Physics	Optik	2020	0030-4026	https://doi.org/10.1016/j.ijleo.2020.165151
16	Modeling of Dielectrophoretic Separation Platelets from Red Blood Cells	M.C Rao	Physics	Journal of Critical Reviews	2020	SN 2394-51	http://www.jcreview.com/fulltext/197-1593955055.pdf
17	Studies on birefringence, order parameter and image analysis of liquid crystalline p-n butyloxy/butyl benzoic acid with dispersed ZnO nanoparticles	M.C Rao	Physics	Zeitschrift für Naturforschung A	2021	0932-0784	doi: 10.1515/zna-2020-0198

18	Enhanced solar-light-driven photocatalytic properties of novel Z-scheme binary BiPO ₄ nanorods anchored onto NiFe ₂ O ₄ nanoplates: Efficient removal of toxic organic pollutants	M.C Rao	Physics	Journal of Environmental Sciences	2021	1001-0742	https://doi.org/10.1016/j.jes.2020.09.021
19	Recent progress in transition metal oxide/sulfide quantum dots-based nanocomposites for the removal of toxic organic pollutants	M.C Rao	Physics	Chemosphere	2021	0045-6535	https://doi.org/10.1016/j.chemosphere.2021.129849
20	A Nematic 5CB Liquid Crystal based Dual Band Microstrip Patch Antenna using Moth Flame Optimization	M.C Rao	Physics	IOP Conference Series Materials Science Engineering	2021	1757-8981	doi:10.1088/1757-899X/1055/1/012093
21	Flexible band pass filter with silver conductive layer for G	M.C Rao	Physics	Materials Today Proceedings	2021	2214-7853	https://doi.org/10.1016/j.matpr.2020.12.1187
22	A compact low frequency dual band liquid crystal polymer antenna for VHF andUHF band applications	M.C Rao	Physics	Materials Today Proceedings	2021	2214-7853	https://doi.org/10.1016/j.matpr.2020.12.1212
23	Circular Monopole Electromagnetic Band Gap Structured Antenna SLLOptimization using Heuristic	M.C Rao	Physics	Journal of Physics Conference Series	2021	1742-6596	doi:10.1088/1742-6596/1804/1/012158
24	Design and analysis of Jeans based Wearable monopole antenna with enhanced gain using AMC backing	M.C Rao	Physics	Journal of Physics Conference Series	2021	1742-6596	doi:10.1088/1742-6596/1804/1/012189

25	Concentric Ring Loaded Monopole Antenna with AMC Backed for Wearable Applications	M.C Rao	Physics	Journal of Physics Conference Series	2021	1742-6596	doi:10.1088/1742-6596/1804/1/012191
26	Design and Analysis of a Circularly polarized flexible, compact and transparent antenna for Vehicular Communication Applications	M.C Rao	Physics	Journal of Physics Con	2021	1742-6596	https://iopscience.iop.org/article/10.1088/1742-6596/1804/1/012192
27	Structural, optical and magnetic properties of Cd doped ZnO nanomaterials for optoelectronic device application	M.C Rao	Physics	Journal of Materials Science Materials in Electronics	2021	0957-4522	https://www.x-mol.com/paperRedirect/13778053_94340106240
28	Novel yellow light emission from vanadyl ions-doped calcium-lithium hydroxyapatite nanopowders: structural, optical and photoluminescence properties	M.C Rao	Physics	Chemical Papers	2021	0366-6352	DOI: 10.1007/s11696-021-01632-9
29	Influence of Al ³⁺ and Sb ³⁺ ions on thermo and photoluminescence properties of Pr ₂ O ₃ doped PbO – SiO ₂ glasses for optical use	Ch. Srinivasa Rao	Physics	Journal of Luminescenc	2020	0022-2313	https://doi.org/10.1016/j.jlum.in.2020.117473
30	Structure, and opto-dielectric investigations of Cu ²⁺ -doped calcium bismuth silicate glass ceramics	Ch. Srinivasa Rao	Physics	Optical Materials	2020	0925-3467	https://doi.org/10.1016/j.optmat.2021.110876
31	Zr _x Ca _{30-x} P ₇₀ thermoluminescent bio glass, structure and elasticity	Ch. Srinivasa Rao	Physics	Journal of the Mechanical Behavior of Biomedical Materials	2021	1751-6161	https://doi.org/10.1016/j.jmbbm.2021.104517

32	Advanced Bus Tracking System using QR Code Visuals	Dr K.B.S. Sastry	Computer Science	Journal of Information and Computational Science	2021	1548-7741	http://www.joics.org/gallery/ics-2738.pdf
33	A facile synthesis of implantation of silver nanoparticles on oxygen-functionalized multi-walled carbon nanotubes: structural and antibacterial activity	R.B. SIVA KUMA	Botany	Springer Nature Switzerland AG 2020	2021	1661-8734	https://link.springer.com/article/10.1007/s42452-020-2797-x
34	Variation of Thermodynamic Indices Over Four Stations of Bangladesh	R.B. SIVA KUMA	Botany	Springer Nature Switzerland AG 2021	2021	1661-8734	https://www.researchgate.net/publication/354763352_Variation_of_Thermodynamic_Indices_Over_Four_Stations_of_Bangladesh
35	Creation of digital database for the soils of Dagala watershed using Remote Sensing and GIS :Multilogic in science	P. SRINIVASA F	Botany	Multilogic in science	2021	ISSN 2277-7601	https://osf.io/2ce5s/
36	2021 Morphological and Anatomical Diversity of Bulbophyllum in India	P. SRINIVASA F	Botany	Current Horticulture 9(1):57-60,January-June2021.	2021	2347-7377	http://www.currenthorticulture.com/download/Current%20Horticulture%209(1)-2021.pdf
37	Land Evaluation and development of optimum land use paln of Watershed using Remote Sensing and GIS Techniques	P. SRINIVASA F	Botany	Chemical Science Review and letters 2021,10(37),01-08,ISSN 2278-6783.	2021	ISSN 2278-6783	https://chesci.com/issue-37/
38	Method Development and Validation of Tivozanib by using RP-HPLC in Bulk and Pharmaceutical Dosage form	MR. K. SANKAR	Botany	International Journal of Applied Pharmaceutics	2021	ISSN-0975-7058	https://innovareacademics.in/journals/index.php/ijap/article/view/42701

39	A New Assay Method Development and Validation of Two Anti-Cancer Drugs by Using Effective Liquid Chromatographic Method	MR. K. SANKAR	Botany	IJPSR	2021	E-ISSN: 0975-8232; P-ISSN: 2320-5148.	https://ijpsr.com/?action=download_pdf&postid=79706
40	Phenotypical, Mycochemicals, Proximate composition and Antifungal activity of Phylloporia ribis (Schumach.) Ryvardeen from India	. PRAVEEN KUM	Botany	Journal of Chemical and Pharmaceutical Research	2021	0975-7384	https://www.jocpr.com/articles/phenotypical-myochemicals-proximate-composition-and-antifungal-activity-of-phyllporia-
41	New Records of Wood Decay Fungi from Eastern Ghats of Andhra Pradesh, India.	. PRAVEEN KUM	Botany	J Pathol Microbiol, 6(12): 451-459	2021	2518-3370	https://saudijournals.com/media/articles/SJPM_612_451-459.pdf
42	Angiosperms from the early Cretaceous of India.	R. CH. CHINNAP	Botany	Geologia USP	2021	2316-9095	https://www.researchgate.net/publication/347441498_Angiosperms_from_the_Early_Cretaceous_sediments_of_India_Angiospermas_de
43	Agathoxylon santacruzense Kloster & Gnaedinger from the middle Jurassic Kota Formation, India and its palaeo-environmental implications.	R. CH. CHINNAP	Botany	Revista Brasileira de Palaeontologia	2021	2236-1715	https://www.researchgate.net/publication/347656268_Agathoxylon_santacruzense_Kloster_Gnaedinger_from_the_Lower-
44	A facile approach of adsorption of acid blue 9 on aluminium silicate-coated Fuller's Earth—Equilibrium and kinetics studies	K. Rayapa Reddy	Chemistry	Surfaces and Interfaces	2020	2468-0230	https://www.researchgate.net/publication/339708914_A_facile_approach_of_adsorption_of_acid_blue_9_on_aluminium_silicate-
45	Computational studies of molecular interactions in the binary mixtures of ethyl lactate and nitro-, chloro- and bromo-benzenes	K. Rayapa Reddy	Chemistry	Meterilas Today: Proceedings	2020	2214-7853	https://www.researchgate.net/publication/339708914_A_facile_approach_of_adsorption_of_acid_blue_9_on_aluminium_silicate-

46	Investigation of molecular interactions by volumetric, transport, spectral Investigation of molecular interactions by volumetric, transport, spectral and DFT studies in some liquid binaries of N-methyl-2-	D B Karun Kumar	Chemistry	Journal of Molecular Liquids	2021	0167-7322	https://www.researchgate.net/publication/339708914_A_facile_approach_of_adsorption_of_acid_blue_9_on_aluminium_silicate-
47	Comparative analysis of nutritive and non-nutritive content of Shatavari – A commercial	GV RAMANA	Chemistry	Indian Chemical Society	2020	0019-4522	

48	A facile approach of adsorption of acid blue 9 on aluminium silicate-coated Fuller's Earth—Equilibrium and kinetics studies	Y.Subbareddy	Chemistry	Surfaces and Interfaces	2020	2468-0230	https://www.researchgate.net/publication/339708914_A_facile_approach_of_adsorption_of_acid_blue_9_on_aluminium_silicate-
49	Thermodynamics and transport properties of binary liquid mixtures at various temperatures (Morpholine, 2-methoxyether, 2-ethoxyether and 2-butoxyether)	D.Bala	Chemistry	International Journal of Ambient Energy	2020	0143-0750	https://www.tandfonline.com/doi/abs/10.1080/01430750.2020.1852112
50	Thermodynamic and spectroscopic properties of binary liquid mixtures of 2-methylcyclohexanone and o-substituted anilines at various temperatures	D.Bala	Chemistry	Journal of physics and Chemistry of liquids	2020	0031-9104	https://www.tandfonline.com/doi/abs/10.1080/00319104.2020.1858417?journalCode=gpch20
51	Designing and fabrication of electrochemical nanosensor employing fullerene-C60 and bimetallic nanoparticles composite film for the detection of vitamin D3 in blood samples	KS Bhavani	Chemistry	Dimond and related materials	2020	0925-9635	https://www.sciencedirect.com/science/article/pii/S0925963519309665
52	Analysis Of Means (ANOM) Based on the new Weibull-Pareto Distribution	K.N.V.R.Lakshmi, B. Srinivasa Rao	Statistics	International Journal of Research and Analytical Reviews (IJRAR)	2021	2349-5138	https://www.ijrar.org/papers/IJRAR21B1927.pdf

53	Acceptance sampling plans for percentiles of the new Weibull-Pareto distribution	B. Srinivasa Rao, K.N.V.R.Lakshmi	Statistics	Journal of Information and Computational Science	2021	1548 - 7741	https://drive.google.com/file/d/1mgM5Vz0cHGRQ71-kYt19hIL7GnI2zBhk/view
54	Hybrid Group Acceptance sampling plans for Life Tests Based on the new Weibull-Pareto distribution	K.N.V.R.Lakshmi, B. Srinivasa Rao	Statistics	International Journal for Research in Engineering Application &	2021	2454-9150	https://www.ijream.org/IJREAM_V07I03.html
55	Analysis of various thermodynamic instability parameters and their association with the rainfall during thunderstorm events over Anakapalle (Vizag District), India.	N Ranga Babu	English	ACTA GEOPHYSICA, SPRINGER	2020	1895-7455	https://www.researchgate.net/publication/344430319_Analysis_of_various_thermodynamic_instability_parameters_and_their_association

56	Long-term Analysis of Thunderstorm-Related Parameters over Vizag and Machilipatnam, India.	N Ranga Babu	English	ACTA GEOPHYSICA, SPRINGER	2020	1895-7455	https://link.springer.com/article/10.1007/s11600-020-00431-2
57	Factors Influencing Lightning Flashes and Convective Systems Over Srilanka.	N Ranga Babu	English	AIP Publishing LLC	2020	1551-7616	https://doi.org/10.1063/5.0001295
58	Analysis of Lightning Flashes Over Bangladesh.	N Ranga Babu	English	AIP Publishing LLC	2020	1551-7616	https://doi.org/10.1063/5.0001294
59	Climatological Analysis of Lightning Flashes Over Kerala.	N Ranga Babu	English	AIP Publishing LLC	2020	1551-7616	https://doi.org/10.1063/5.0001292

60	Satellite Based Interpretation of Stability Parameters on Convective Systems Over India and Srilanka.	N Ranga Babu	English	Asian Journal of Atmospheric Environment	2020	2287-1160	https://doi.org/10.5572/ajae.2020.14.2.119
61	A Study of Thunderstorm Features Over Srikakulam Region on 26 th April 2020	N Ranga Babu	English	Journal of Critical Reviews	2020	2394-5125	DOI:10.31838/jcr.07.09.137
62	Influence of Convective Weather-Related Parameters on Rainfall Over Virajpet Region on 26 April 2013	N Ranga Babu	English	Journal of Critical Reviews	2021	2394-5125	https://www.researchgate.net/publication/344376734_INFLUENCE_OF_CONVECTIVE_WEATHER_RELATED_PARAMETERS_ON_RAINFALL_OVER_VIRAJPET_REGION_ON_26_APRIL_2013

63	Influence of Pressure Level based Parameters on Lightning and Rainfall over Nepal	N Ranga Babu	English	International Journal on Emerging Technologies	2020	2249-3255	https://www.researchgate.net/publication/343228273_Influence_of_Pressure_Level_based_Parameters_on_Lightning_and_Rainfall_over_Nepal
64	Severe Thunderstorm Event over Hindol Region on 22 nd April 2012.	N Ranga Babu	English	Test Engineering & Management,	2020	1934-120	https://www.researchgate.net/publication/344377394_Severe_thunder_Storm_Event_on_Hindol_Region_on_22nd_April_2012
	Building the Gulf between a Conventional Instructor			Research Journal of English Language and			http://www.rjelal.com/8.S1.2020/1-

65	and a Contemporary Learner in the proceedings of National Seminar on “Learning Centered Approaches and Effective Classroom Management”	Dr T Sai Mamata	English	Literature (RJELAL) International Open Access	2020 FEB	2321-3108	3.pdf
66	Building the Gulf between a Conventional Instructor and a	Dr T Sai Mamata	English	Research Journal’ International E-Research Journal, Special Issue-262:	2021	2348-7143	http://www.rjelal.com/8.S1.2020/1-3.pdf
67	<i>My Past-A Hidden Emotion</i>	Dr.L.Subha	English	Research Journal’ International E-Research Journal, Special Issue-262:	2021	2348-7143	file:///E:/Final%20Special%20Issue%20262%20-%20Translation%20Studies%20-%20Sir%20Sayed%20College%20Aurangabad.pdf
68	“Prime Ideals of M-gamma groups”	Mr.P.Venugopala Rao	Mathematics	Journal, Advances in Mathematics: Scientific Journal	2020	1857–8365.	https://www.researchgate.net/publication/341437788_Prime_ideals_of_MGamma-groups
69	A Note on Dimensions in N-Groups”	Mr.P.Venugopala Rao	Mathematics	Italian Journal of Pure and Applied Mathematics	2020	1126–8042.	https://ijpam.uniud.it/online_issue/202044/57%20Kuncham-Bhavanari-Paruchuri-Bhavanari.pdf
70	Stochastic Production Scheduling Model with Generalized Pareto Rate Of Production And Weibull Decay Having Time Dependent Demand”	Dr.D.Madhulatha	Statistics	Journal Of International Academic Research For Multidisciplinary’	2021	2394–3777	https://www.inderscienceonline.com/doi/abs/10.1504/IJKMTH.2017.086813
71	Examination Of Diabetes Mellitus For Ahead Of Schedule Expectation Utilizing Ideal Highlights Determination	Kamalakar Raju Tella,	Computer Science	IEEE	2021	978-1-6654-2641-1	https://drive.google.com/drive/folders/165FQpkOmaUwLwxH8y91DWfI-MGfm53Nj
72	Multiple Crop Pest classificatin using Big Data Analytics	R.P.L.DURGAB AI	MBA	Test Engineering and Management	2020	0193-4120	http://testmagzine.biz/index.php/testmagzine/issue/current

73	Prediction of Cotton Crop Pests using Big Data Analytics	R.P.L.DURGAB AI	MBA	Journal of Critical Reviews	2020	3288-3302	http://dx.doi.org/10.1007/978-3-030-46939-9_4
74	A Hybrid Algorithm in Big Data FrameWork for Pest Classification	R.P.L.DURGAB AI	MBA	International Journal of Advanced Research in Engineering & Technology	2021	0976-6499	https://scholar.google.co.in/scholar?q=A+Hybrid+Algorithm+in+Big+Data+FrameWork+for+Pest+Classification&hl=en&as_sdt=0&as_vis=1&oi=scholart