

3.4.3 Number of research papers per teacher in the Journals notified on UGC website during the last five years (5)

3.4.3.1: Number of research papers in the Journals notified on UGC website during the last five years

S.No	Title of the Papers	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number/ ISBN number	Link to the recognition in UGC enlistment of the Journal
1	Study on Second and Third Order Nonlinear Properties of Tiglycine Sulpho Succinate Single Crystals	S.H.Mohamed Ameen	Physics	Annals of R.S.C.B	May 2021	1583-6258	https://www.annalsofrscb.ro/index.php/journal/article/view/4604/3692
2	Significant enhancement in magnetization value of the K- doped 0.75BiFeO3-0.25BaTiO3 lead-free multiferroics	S.M.Abdul Kader	Physics	Materials Letters	MARCH 2017		https://www.sciencedirect.com/science/article/abs/pii/S0167577X16319991?via%3Dihub
3	Investigations on the effect of Ba and Zr co-doping on the structural, thermal, electrical and magnetic properties of BiFeO3 multiferroics			Ceramics International	DEC 2017		https://www.sciencedirect.com/science/article/pii/S0272884217318023?via%3Dihub
4	Structure, morphology and magnetodielectric investigations of BaTi1-xFexO3-δ ceramics			Journal of Material Science: Materials in Electronics	Feb 2019	0957-4522	https://link.springer.com/article/10.1007/s10854-019-00864-6
5	Novel Synthesis of Undoped and Zinc Doped iron oxide nanoparticles using Apis Mellifera			Materials Today: Proceedings	Sep 2020		https://www.sciencedirect.com/science/article/pii/S2214785320357084

6	Synthesis of Bismuth Oxide nanoflowers using natural honey			Materials Today: Proceedings	2021		https://www.sciencedirect.com/science/article/pii/S2214785320347544?via%3Dihub
7	Studies on Volumetric and Viscometric Properties of Valine in Aqueous Paracetamol Solution Over a Range of Temperature (298.15 to 318.15)K			International Journal of Pharma Sciences and Research (IJPSR)	2017	0975-9492	http://www.ijpsr.info/docs/IJPSR17-08-06-013.pdf
8	Ultrasonic Studies of Valine in Aqueous Paracetamol Solutions at Different Temperatures			International journal of Scientific & Engineering Research	2017	2229-5518	https://www.ijser.org/onlineResearchPaperViewer.aspx?Ultrasonic-Studies-of-Valine-in-Aqueous-Paracetamol-Solutions-at-Different-Temperatures.pdf
9	Ultrasonic Studies of Alanina in Aqueous Paracetamol Solutions at Different Temperatures			Journal of Pharmaceutical Sciences and Research	2017	0975-1459	https://www.jpsr.pharmainfo.in/Documents/Volumes/vol9Issue06/jpsr09061747.pdf
10	Viscosities of L-Proline and L-Threonine in (0.05, 0.10, 0.15, and 0.20) MOL-KG-1 Aqueous Metformin Hydrochloride Solutions at Different Temperatures			European Journal Of Biomedical and Pharmaceutical sciences	2017	2349-8870	https://storage.googleapis.com/journal-uploads/ejbps/article_issue/volume_4_november_issue_11/1509439745.pdf
11	Microscope Supported Measurement of Exact Volume of Solutions in Pycnometer to Calculate the Density of Solutions			International Journal of Advances in Interdisciplinary Research	2017	2348 0696	https://www.researchgate.net/publication/321725080_Microscope_Supported_Measurement_of_Exact_Volume_of_Solutions_in_Pycnometer_to_Calculate_the_Density_of_Solutions

12	Temperature Dependent Volumetric and Viscometric Properties of L-Phenylalanine Aqueous Metformin Hydrochloride Solutions	M.Mohamed Roshan	Physics	World Journal Of Pharmaceutical Research	2017	2277-7105	https://wjpr.s3.ap-south-1.amazonaws.com/article_issue/1509587811.pdf
13	Interactions Of L-Threonine With an Aqueous Anti-Diabetic Drug Solution at Various Temperatures: A Volumetric Approach			European Journal Of Biomedical and Pharmaceutical sciences	2018	2349-8870	https://storage.googleapis.com/journal-uploads/ejbps/article_issue/volume_5_may_issue_5/1525083817.pdf
14	Volumetric Properties of L-Phenylalanine in Aqueous Solutions of Salbutamol Sulphate in the Temperature Range 298.15 to 318.15K			Sadakath: A Research Bulletin	2019	2347-7644	https://drive.google.com/file/d/1YfnOd4fuovO6SdF9VhMWPntwDx1-sDwg/view
15	Volumetric Approach to the interaction of L-Proline in Aqueous Metformin Hydrochloride solutions for temperature range			Journal of Chemical Thermodynamics	2019	0021-9614	https://www.sciencedirect.com/science/article/abs/pii/S0021961418303823
16	Enhancing Structural and Optical properties of ZnO nanoparticles induced by the double co-doping of Iron and Cobalt			Materials Today: Proceedings	2021	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785321048276?via%3Dihub

17	Metastable Zone Width, Growth, Structural, Thermal, Spectral and SHG Studies of Triglycine Sulpho Salicylate (TGSS) Single Crystals	S.Nazarath Begum	Physics	International Journal of Chem Tech Research	2017	2455-9555	https://www.researchgate.net/publication/333356255_Metastable_zone_width_Growth_Structural_Thermal_Spectral_and_SHG_studies_of_Triglycine_Sulpho_Salicylate_TGSS_single_crystals
18	Investigations on the Properties of Triglycine Sulphate Single Crystal Admixture With Perchloric Acid			Asian Journal of Science and Technology	2017	0976-3376	https://www.researchgate.net/publication/333356191_INVESTIGATIONS_ON_THE_PROPERTIES_OF_TRIGLYCINE_SULPHATE_SINGLE_CRYSTAL_ADMIXTURED_WITH_PERCHLORIC_ACID
19	Studies on Optical and Mechanical Properties of Salicylic acid Admixture TGS Single Crystals			International Journal of Trend in Research and Development	2018	2397-9333	https://www.researchgate.net/publication/333356327_Studies_on_Optical_and_Mechanical_Properties_of_Salicylic_acid_Admixture_TGS_Single_Crystals
20	Nucleation Kinetics, Growth, PXRD, FTIR and Dielectric studies of Triglycine sulphate crystal admixture with Dihydrofumaric acid			Journal of Applied Science and Computations	2018	1076-5131	https://www.researchgate.net/publication/333356324_Nucleation_Kinetics_Growth_PXRD_FTIR_and_Dielectric_studies_of_Triglycine_sulphate_crystal_admixture_with_Dihydrofumaric_acid
21	GREEN SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITY OF COPPER OXIDE NANOPARTICLES SYNTHESIZED USING CATHARANTHUS ROSEUS LEAF EXTRACT			Journal of Applied Science and Computations	2019	1076-5131	https://www.researchgate.net/publication/346968801_GREEN_SYNTHESIS_CHARACTERIZATION_AND_ANTIBACTERIAL_ACTIVITY_OF_COPPER_OXIDE_NANOPARTICLES_SYNTHESIZED_USING_CATHARANTHUS_ROSEUS_LEAF_EXTRACT

22	Green Synthesis of Copper Oxide Nanoparticles Using Catharanthus Roseus Leaf Extract and Their Antibacterial Activity			International Journal of Scientific Research in Multidisciplinary Studies	2019	2454-9312	https://www.researchgate.net/publication/346969016_Green_Synthesis_of_Copper_Oxide_Nanoparticles_Using_Catharanthus_Roseus_Leaf_Extract_and_Their_Antibacterial_Activity
23	Study on Secound and Third Order Nonlinear Optical Properties of Triglycine Sulpho Succinate Single Crystals				2021	1549-1561	https://www.annalsofrscb.ro/index.php/journal/article/view/4604/3692
24	Growth Impedence and SHG Studies of Aluminium Fluoride Doped Sodium Fluoro Antimonate Crystals	R.Kumuthini	Physics	Journal of Advanced Scientific Research	2020	0976-9595	https://www.sciensage.info/admin/uploads/paper/11(1)2312193.pdf
25	Photocatalytic and Antimicrobial Activities of Polyaniline Nanocomposites with Molybdates	D.Sathya	Physics	Journal of NanoScience and Technology	2019	2455-0191	https://www.jacsdirectory.com/journal-of-nanoscience-and-technology/admin/issues/20190604094624_5-3-04%20JNST19S11%20%20Photocatalytic%20and%20Antimicrobial%20Activities%20of%20Polyaniline%20Nanocomposites%20with%20Molybdates.pdf

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1	Synthesis and characterization of Barium Oxide Nano Particles	Tmy. A. Zeenath Bazeera	Physics (PG)	IOSR Journal of Applied Physics	2017	2278-4861	https://www.iosrjournals.org/iosr-jap/papers/Conf.17002/Volume-1/13.%2076-80.pdf
2	Biosynthesis of Silver Nano Particles using Indian Nettle Leaves			IJTRD	2017	2394-9333	http://www.ijtrd.com/papers/IJTRD7704.pdf
3	Synthesis and characterization of L- isoleucine maleate and L- isoleucine oxalate crystals			JETIR	2018	2349-5162	https://www.jetir.org/papers/JETIR1808360.pdf
4	Structural and vibrational analysis of DL Norleucine tartarate by DFT methods			IJRAR	2018	2348-1269	https://www.ijrar.org/papers/IJRAR1904809.pdf
5	Structural , Linear and Non linear optical properties of L- Serine Single Crystal			IJTRD	2018	2394-9333	http://www.ijtrd.com/ViewFullText.aspx?id=15965
6	First Order Hyperpolarizability,HOMO-LUMO and Vibrational Analysis of L-Isoleucine,L-Isoleucine Maleate (LIM) and L-Isoleucine Oxalate (LIO) By DFT methods			J. Adv. Sci. Res,	2020	0976-9595	https://www.sciensage.info/admin/uploads/paper/11(1)2312198.pdf
7	Spectroscopy anlysis (Raman, FT-IR, UV, NMR), HUMO, LUMO and first order hyper polarizability calculations of Nor Leucine Maleate (DLNM) using DFT methods			Wutan Huatan Jisuan Jishu	2020	1001-1749	http://wthtsjs.cn/gallery/31-whji-oct-2020.pdf
8	Enhanced Antifungal Activity of Pure and Iron-Doped ZnO Nanoparticles Prepared in the Absence of Reducing Agents			Journal of inorganic and organometallic polymers and materials	2019	1574-1451	https://link.springer.com/article/10.1007/s10904-019-01400-z

9	Antifungal Activity of Iron-gold and Cobalt-gold co-doped ZnO Nanoparticles	A. Ferin Fathima	Physics (PG)	Advanced Materials Letters	2021	0976-397X	https://www.researchgate.net/publication/350439242_Antifungal_Activity_Of_Iron-Gold_And_Cobalt-Gold_Co-Doped_ZnO_Nanoparticles
10	Enhancing structural and optical properties of ZnO nanoparticles induced by the double co-doping of iron and cobalt			Materials today: PROCEEDINGS	2021	2214-7853	https://www.researchgate.net/publication/353162665_Enhancing_structural_and_optical_properties_of_ZnO_nanoparticles_induced_by_the_double_co-doping_of_iron_and_cobalt
11	Role of Green Synthesized CuO Nanoparticles of Trigonella Foenum-Graecum L. Leaves and their Impact on Structural, Optical and Antimicrobial Activity	Dr.T.Sainta Jostar	Physics (PG)	Int. J. NanoSci. Nanotechnol.,	2021	2423-5911	http://www.ijnnonline.net/article_244184_cb0359f96a960029a66e509209a20a02.pdf
12	Chaos,Hysteresis and Vibrational resonace in a single scroll chua,s circuit driven by Frequency modulated force			IJTAP	2017	2250-0634	https://www.ascent-journals.com/IJTAP/Vol7No1/V.%20%20CHINNATHAMBI-710.pdf
13	Bifurcatios and chaos in two coupled periodically driven DVP oscillator			Chinese Journal of Physics	2017	0577-9073	https://www.researchgate.net/publication/319051885_Bifurcations_and_Chaos_in_Two-Coupled_Periodically_Driven_Four-Well_Duffing-van_der_Pol_Oscillators
14	Coexistence of multiple attractors, hysteresis and vibrational resonance in chua's ckt driven by an AM force			Annual Review of Chaos, theory,bifurcations and dynamical systems	2017	2253-0371	https://www.arctbds.com/volume7/paper4.pdf
15	Analytical estimates of the effect of AM signal in nonlinearly damped DVP oscillator			Chinese Journal of Physics	2017	0577-9073	https://www.researchgate.net/publication/320120458_Analytical_Estimates_of_the_Effect_of_Amplitude_Modulated_Signal_in_Nonlinearly_Damped_Duffing-vander_Pol_Oscillator

16	Hysteresis and vibrational resonance in two coupled van der oscillators driven by an AM signal
17	Effect of frequency modulated signal on chaotic motion in brusselator chemical reaction
18	Vibrational resonance in two coupled DVP oscillators driven by frequency modulated signal
19	Homoclinic Bifurcation in a Parametrically Driven Nonlinearly Damped DVP Oscillator
20	Effect of Fractional Damping in Double-Well Duffing-vander Pol Oscillator Driven by Different sinusoidal Forces
21	Horseshoe dynamics in Duffing oscillator with fractional damping and multi-frequency excitation
22	Horseshoe dynamics in fractionally damped DVP oscillator driven by non sinusoidal forces
23	Prediction of Horseshoe Chaos in a Nonlinearly Damped Asymmetrical Systems
24	Effect of Amplitude signal on Vibrational resonance in a nonlinearly damped dynamical systems

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International j. of Trend in research and development	2018	2394-9333	https://www.researchgate.net/publication/336999769_Hysteresis_and_Vibrational_Reasonance_in_Two_Coupled-Van_Der_Pol_Oscillators_Driven_by_A_n_Amplitude_Modulated_Signal
International Journal of Chemical Studies	2018	2321-4902	https://www.chemijournal.com/archives/?year=2018&vol=6&issue=2&ArticleId=2023&si=false
Sadakath – A Research Bulletin	2018	2347-7644	https://drive.google.com/file/d/1Vb70fy1uMx7PaMFeVdc7neOxuNQ9Gmwl/view
International Journal of Advances in Applied Mathematics and Mechanics	2018	2347-2529	http://www.ijaamm.com/uploads/2/1/4/8/21481830/v6n1p2_10-20.pdf
International Journal of Nonlinear Science and Numerical simulation(IJNSNS)	2019	2191-0294	https://www.degruyter.com/document/doi/10.1515/ijnsns-2016-0165/html
Journal of Mathematical Modeling (Elsevier)	2019	2345-394X	https://imm.guilan.ac.ir/article_3466.html
International Journal of Nonlinear science	2019	1749-3897	https://drive.google.com/file/d/1jCoD7PsnkPnP7FIVlxagOZjuaqL5-SxB/view
Chaotic Modeling and Simulation (CMSIM)	2020	2241-0503	http://www.cmsim.eu/papers_pdf/april_2020_papers/April_4_2020_CMSIM_Chinnathambi-133-146.pdf
Sadakath – A Research Bulletin	2020	2347-7644	https://drive.google.com/file/d/1SZ0W_V_QG5hPDjgpizTBXpdLlnJDxBNn/view?usp=sharing

25	Numerical Prediction of certain nonlinear phenomena in fractionally damped and driven DVP oscillator
26	Effect of Different Forms of Periodic Piecewise Linear Forces on Duffing Oscillator
27	Nonlinear Dynamics of Three Particular Two-Dimensional Maps Under an Additive Constant Perturbation
28	Enhanced vibrational resonance by an amplitude modulated signal in a nonlinear dissipative two-fluid plasma model
29	Dynamics of Nonlinearly Damped Duffing – Van Der Pol Oscillator Driven by Frequency Modulated Signal
30	Analysis of Homoclinic bifurcation in a nonlinearly damped doffing-van der pol oscillator under the excitation of two-forcing terms
31	Effect of Modulated signals on vibrational Resonance in a Harmonically Trapped Potential System
32	Vibrational Resonance in Two-Dimensional Nonlinear Maps
33	Dynamics of a Quasiperiodically Forced Brusselator Chemical Reaction

Annual Review of Chaos Theory, Bifurcations and Dynamical systems	2020	2253-0371	https://www.researchgate.net/publication/349074088_Numerical_Prediction_of_Certain_Nonlinear_Phenomena_in_Fractionally_Damped_and_Driven_Duffing-vander_Pol_Oscillator
JOURNAL OF SCIENTIFIC RESEARCH	2021	2070-0245	https://www.researchgate.net/publication/351312303_Effect_of_Different_Forms_of_Periodic_Piecewise_Linear_Forces_on_Duffing_Oscillator
Communications on Applied Nonlinear Analysis	2021	1074-133X	https://drive.google.com/file/d/11CuOk1Xlp_3Dbel-cHhltYNLdv7xJn6e/view
Contribution to Plasma Physics	2021	1521-3986	https://onlinelibrary.wiley.com/doi/10.1002/ctpp.202100099?af=R
Non Linear Dynamics and Systems Theory	2021	1813-7385	https://drive.google.com/file/d/1M1BUURAs3gGhnS67HaWubhQ27tKJhAa2/view
Non linear studies	2021	2153-4373	http://www.nonlinearstudies.com/index.php/nonlinear/article/view/2033
JOURNAL OF SCIENTIFIC RESEARCH	2021	2070-0237	https://www.banglajol.info/index.php/JSR/article/view/52318
Chaotic Modeling and Simulation	2021	2241-0503	https://www.researchgate.net/publication/354473808_Vibrational_Resonance_in_Two-Dimensional_Nonlinear_Maps
International Journal of Innovative Research in Science, Engineering and Technology	2021	2319-8753	http://www.ijirset.com/upload/2021/icetstm/71_Dynamics.pdf

34	Growth and Characterization of organic 4-Aminopyridinium oxalate single crystals	Ms. A. Ponchitra	Physics (PG)	Journal of Chemical and Pharmaceutical Sciences	2016	0974-2115	https://www.researchgate.net/publication/301655731_Growth_and_characterization_of_organic_4-aminopyridinium_oxalate_single_crystals
35	Growth & Characterization of pure & Metal doped Ninhydrin single crystals			International journal of latest research in Engineering and Technology (IJLRET)	2016	2454-5031	http://www.ijlret.com/Papers/ISMSA-2016/ISMSA-027.pdf
36	Effect of Zinc Substitution on Structural, Optical and Mechanical Properties of Ninhydrin Crystals			International Journal of Scientific & Engineering Research	2017	2229-5518	https://www.ijser.org/researchpaper/Effect-of-Zinc-Substitution-on-Structural-Optical-and-Mechanical-Properties-of-Ninhydrin-Crystals.pdf
37	Effect of Ni ²⁺ ions on the structural optical & Mechanical properties of Ninhydrin crystals			International Journal of Applied Physics (IOSR-JAP)	2017	2278-4861	https://www.researchgate.net/publication/312937321_Effect_of_Ni2_ions_on_the_Structural_Optical_and_Mechanical_Properties_of_Ninhydrin_Crystals
38	Growth, Structural, Optical and Mechanical Properties of Oxalic Acid Single Crystals			International Journal of Science, Engineering and Management (IJSEM)	2017	2456 -1304	https://drive.google.com/file/d/1tVnvyYkgL3Xs3LmgE5IOwMYAHTY4j85d/view
39	Z-scan measurement of LAAN crystals			International Journal of current science Research	2016	2454- 5422	https://www.researchgate.net/publication/326400271_Z-Scan_measurement_and_impedance_analysis_of_L-alanine_alaninium_nitrate_single_crystals_LAAN
40	Influence of ammonium sulphate on LAAS crystal for NLO applications			International journal of applied physics	2017	2278-4861	https://www.iosrjournals.org/iosr-jap/papers/Conf.17002/Volume-3/21.%20113-117.pdf
41	Effect of Nickel sulphate on Growth, Structural, Optical, Mechanical and Thermal properties of L-alanine single crystals (LANS)			IOP Conf. Series: Material Science and Engineering	2017	1757-899X	https://www.researchgate.net/publication/319602264_Effect_of_Nickel_sulphate_on_Growth_Structural_Optical_Mechanical_and_thermal_properties_of_L-alanine_Single_Crystals_LANS

42	Linear optical constants of succinic acid single crystals (SA)	Dr. R. Jothimani	Physics (PG)	IFERP	2017	2456-1304	https://drive.google.com/file/d/1IM_B12Fti9XOOdPwMChoJ8zV08EqS905/view
43	Morinda Citrifolia Leaf extract Assisted Green Synthesis of Silver Nanoparticles: Study of Structural and Optical properties			International Journal of trend in Research and Development	2018	2394-9333	http://www.ijtrd.com/ViewFullText.aspx?id=15971
44	Green Synthesis of Copper Oxide Nano particles Using Moringa Oleifera Leaf Extract			International Journal of trend in Research and Development	2018	2394-9333	https://www.researchgate.net/publication/326400375_Green_Synthesis_of_Copper_Oxide_Nano_Particles_Using_Moringa_Oleifera_Leaf_Extract
45	Green Synthesis of Cobalt Nano particles Using Mangifera Indica Medicinal Plants			International Journal of trend in Research and Development	2018	2394-9333	http://www.ijtrd.com/ViewFullText.aspx?id=15972
46	Structural Observation of Silver Nanoparticles Using Seed Extract of Caesalpinia Bonducella			International Journal of trend in Research and Development	2018	2394-9333	https://www.researchgate.net/publication/323991700_Structural_Observation_of_Silver_Nanoparticle_Using_Seed_Extract_of_Caesalpinia_Bonducella
47	Electrical properties of hydrofluoric acid admixed L-alanine single crystals			International Journal of trend in Research and Development	2018	2394-9333	https://www.researchgate.net/publication/326400377_Electrical_properties_of_hydrofluoric_acid_admixed_L-alanine_single_crystals_LAHF
48	Enhanced vibrational resonance by an amplitude modulated signal in a nonlinear dissipative two-fluid plasma model	Dr. K. Amutha	Physics (PG)	Contribution to Plasma Physics	2021	1521-3986	https://onlinelibrary.wiley.com/doi/10.1002/ctpp.202100099?af=R