

Number of Research papers published in the Journals notified on UGC website

Sr. No.	Title of paper	Name of the author/s	Department	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal/Digital Object Identifier (doi) number		
							Link to website of the Journal	Link to article / paper/abstract of the article	Is it listed in UGC Care list
1	Energy build-up factors estimation for BaZr _{0.10} Ti _{0.90} O ₃ , Ba _{0.90} La _{0.10} TiO ₃ and Ba _{0.90} La _{0.10} Zr _{0.10} Ti _{0.90} O ₃ ceramics in shielding applications	Sarabjeet Kaur, Vidushi Karol, Pankaj Kumar, Gurpreet Kaur	Applied Sciences	Nuclear Engineering and Technology	2024	1738-5733	https://www.sciencedirect.com/journal/nuclear-engineering-and-technology	https://www.sciencedirect.com/science/article/pii/S1738573323005910	yes
2	A study of trends of neutron skin thickness and proton radii of mirror nuclei within the framework of covariant density functional theory	Pankaj Kumar, Sarabjeet Kaur	Applied Sciences	Modern Physics Letters A	2024	0217-7323	https://www.worldscientific.com/worldscinet/mpl	https://www.worldscientific.com/doi/10.1142/S0217732324500226	yes
3	Characterization of surface treated flax fiber using fourier transformation infrared (FTIR) analysis	Avtar Singh	Applied Sciences	AIP Conference Proceedings	2024	1551-7616	https://doi.org/10.1063/5.0192266	https://doi.org/10.1063/5.0192266	yes
4	Novel Energy Optimized LDPC Codes for Next-Generation MIMO OFDM Systems	Komal Arora	Applied Sciences	Iraqi Journal for Computer Science and Mathematics	2023	2788-7421	https://journal.esj.edu.iq/index.php/IJCM	https://www.iasj.net/iasj/download/7e63c8665180ce92	Yes

5	A review on surface modification techniques	Swarn Singh, Santosh Kumar	Applied Sciences	Materials Today: Proceedings	2023	2214-7853	https://www.sciencedirect.com/science/article/abs/pii/S2214785323000202	https://doi.org/10.1016/j.matpr.2023.01.010	yes
6	Investigation of Energy storage properties in Lead-free BZT-40BCr relaxor Ceramic	Priyanka Sharma	Applied Sciences	Materials Today: Proceedings	2023	2214-7853	10.1016/j.matpr.2023.02.057	10.1016/j.matpr.2023.02.057	yes
7	Performance evaluation of energy optimized precoded—LDPC encoded system	Komal Arora	Applied Sciences	Wireless Networks	2023	1572-8196	https://link.springer.com/journal/11276	https://link.springer.com/article/10.1007/s11276-023-03284-x	Yes
8	Relativistic approach for the determination of nuclear and neutron star properties in consideration of PREX-II results	Pankaj Kumar	Applied Sciences	Physical Review C	2023	2469-9985	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.107.015803	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.107.015803	yes
9	Observational constraint from the heaviest pulsar PSR J0952-0607 on the equation of state of dense matter in relativistic mean field model	Pankaj Kumar	Applied Sciences	Physical Review C	2023	2469-9985	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.107.055805	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.107.055805	yes
10	Parametric optimization and wear analysis of AISI D2 steel components	Santosh Kumar	Applied Sciences	Materials Today: Proceedings	2023	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.01.247	yes
11	Impact of Operating Parameters on Electric Discharge Machining of Cobalt Based Alloys	Santosh Kumar	Applied Sciences	Materials Today: Proceedings	2023	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.01.234	yes
12	Mathematical modelling for prediction of spread of corona virus and artificial intelligence/machine learning-based technique to detect COVID-19 via smartphone sensors	Sumeet Goyal	Applied Sciences	International Journal of Modelling, Identification	2022	1746-6180	https://www.inderscienceonline.com/journal/ijmic	https://www.inderscienceonline.com/doi/abs/10.1504/IJMIC.2022.127096	

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13	CorrosionBehaviorof Metal, Alloy, andCompositeAn Overview (https://doi.org/10.1201/9781003194910)	Santosh Kumar, Swarn Singh	AppliedSciences	(Taylor & Francis CRC Press)	2022	eBook ISBN- 97810031 94910	https://doi.org/10.1201/9781003194910	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003194910-3/corrosion-behavior-metal-alloy-composite-santosh-kumar-swarn-singh	yes
14	Optimizationofsintering temperaturefordielectric studies ofLa dopedBZT Ceramics	Sarabjeet Kaur	AppliedSciences	Materials Today Proceedin gs	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.02.301	Yes
15	Effect of nuclear deformation on proton bubblestructureinZ=14 isotopes	Pankaj Kumar	AppliedSciences	The European Physical JournalA	2022	1434-6001	https://epja.epj.org/	https://link.springer.com/article/10.1140/epja/s10050-022-00801-y	yes
16	Relativistic Mean Field Modelparameterizationsin the light of GW170817, GW190814andPSRJ0740 +6620	Pankaj Kumar	AppliedSciences	Physical ReviewC	2022	2469- 9985	https://journal.saps.org/prc/	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.106.025803	yes
17	Effects of an isovector scalar meson on the equation of state of dense matterwithinarelativistic meanfieldmodel	Pankaj Kumar	AppliedSciences	Physical ReviewC	2022	2469-9985	https://journal.saps.org/prc/	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.106.045806	yes
18	Implementation And ModelingOfLowPower Sleepy Stack Sram	Sumeet Goyal, Joginder Singh	AppliedSciences	Journal of Advance d Sciences	2022	1908-3238	https://www.joasciences.com/index.php/joas/index	https://www.joasciences.com/index.php/joas/article/view/6	
19	Green-monodispersed Pd- nanoparticles for improved mitigationofpathogensand environmental pollutant	Prabjot Singh	AppliedSciences	Materials Today Commun ications	2022	2352-4928	https://www.sciencedirect.com/science/article/abs/pii/S2	https://doi.org/10.1016/j.mtcomm.2021.103106	yes

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20	Recent Advancements in Abrasive Flow Machining and Abrasive Materials: A review,	Swarn Singh	Applied Sciences	Material today	2022	1369-7021	https://www.sciencedirect.com/science/article/abs/pii/S214785321077841	https://doi.org/10.1016/j.matpr.2021.12.109	yes
21	A Systematic Review on Recent Advancements in Abrasive Flow Machining (AFM)	Swarn Singh, Santosh Kumar	Applied Sciences	Material today	2022	1369-7021	https://www.sciencedirect.com/science/article/abs/pii/S214785321080019	https://doi.org/10.1016/j.matpr.2021.12.273	yes
22	A comprehensive study on minimum quantity lubrication	Swarn Singh, Santosh Kumar	Applied Sciences	Material today	2022	1369-7021	https://www.sciencedirect.com/science/article/abs/pii/S214785321078846	https://doi.org/10.1016/j.matpr.2021.12.158	yes
23	Chitosan Hydrogels with Embedded Thermo- and pH-Responsive Microgels as a Potential Carrier for Controlled Release of Drugs	Nirbhay Singh	Applied Sciences	ACS Applied Bio Materials	2022	2576-6422	https://pubs.acs.org/journal/aabmcb	https://pubs.acs.org/doi/abs/10.1021/acsabm.2c00401	Yes
24	Role of Surface Modification Techniques to Prevent Failure of Components Subjected to the Fireside of Boilers	Santosh Kumar	Applied Sciences	Journal of Failure Analysis and Prevention	2022	1864-1245	https://link.springer.com/journal/11668	DOI: 10.1007/s11668-022-01556-w	yes
25	Tribological and Mechanical Performance of Coatings on Piston to Avoid Failure—A Review	Santosh Kumar	Applied Sciences	Journal of Failure Analysis and Prevention	2022	1864-1245	https://link.springer.com/journal/11668	https://doi.org/10.1007/s11668-022-01436-3	yes

26	Overview of 3D and 4D Printing Techniques and their Emerging Applications in Medical Sectors	Santosh Kumar	Applied Sciences	Current Material Science	2022	2666-1462	https://www.ingentaconnect.com/content/ben/cms	DOI: 10.2174/2666145416666221019105748	yes
27	Effect of Process Parameters on Surface Roughness of 316L Stainless Steel Coated 3D Printed PLA Parts	Santosh Kumar	Applied Sciences	Material Today Proceedings	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2022.06.004	yes
28	Mechanical Properties Assessment of TIG welded SS 304 joints	Santosh Kumar	Applied Sciences	Material Today Proceedings	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2021.12.133	yes
29	Friction Stir Welding: Types, Merits & Demerits, Applications, Process Variables & Effect of Tool Pin Profile	Santosh Kumar	Applied Sciences	Material Today Proceedings	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2021.12.097	yes
30	Overview on Metamaterial: History, Types and Applications	Santosh Kumar	Applied Sciences	Material Today Proceedings	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2021.11.423	yes
31	A Review on Machining Performance of AISI 304 Steel	Santosh Kumar	Applied Sciences	Material Today Proceedings	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2021.11.003	yes
32	Design of a GaN-based Flip Chip Light Emitting Diode (FC-LED) with Au Bumps & Thermal Analysis with different sizes and adhesive materials for performance considerations	Sumeet Goyal	Applied Sciences	Silicon	2021	1876-9918	https://link.springer.com/journal/12633	https://link.springer.com/article/10.1007/s12633-021-01457-x	
33	Non-serial feedback queue model with four servers providing at most once revisit facility with distinct	Meenu Mittal	Applied Sciences	Int. J. Process Management and	2021	1460-6739	https://www.inderscienceonline.com/doi/abs/10.1504/IJ	https://www.inderscienceonline.com/doi/abs/10.1504/IJ-PMB.2021.118322	Yes

	transition probabilities			Benchmarking			PMB.2021.118322		
34	Influence of processing conditions on the properties of thermal sprayed coating: a review	Santosh Kumar	Applied Sciences	Surface Engineering	2021	2166-3831	https://journals.sagepub.com/home/SEN	https://doi.org/10.1080/02670844.2021.1967024	yes
35	Performance of thermal-sprayed coatings to combat hot corrosion of coal-fired boiler tube and effects of process parameters and post coating heat treatment on coating performance: a review	Santosh Kumar	Applied Sciences	Surface Engineering	2021	2166-3831	https://journals.sagepub.com/home/SEN	DOI: 10.1080/02670844.2021.1924506	yes
36	Microstrip Patch Antenna for X band Applications: Design & Analysis	Pankaj Palta, Joginder Singh, Sumeet Goyal, Rahul Kakkar, Dishant Khosla	Applied Sciences	Journal of Xidian University	2020	1001-2400	https://xadzkjdx.cn/	https://www.researchgate.net/profile/Dishant-Khosla/publication/341110448_Microstrip_Patch_Antenna_for_X_band_Applications_Design_Analysis/links/5eae886b299bf18b959109ae/Microstrip-Patch-Antenna-for-X-band-Applications-Design-Analysis.pdf	Yes
37	Mononuclear Pseudostannatranes Possessing Unsymmetrical [4.4.3.01,5]Tridecane Cage: Experimental and Theoretical Aspects of Reverse Kocheshkov Reaction in Phenyl	Neha Srivastav	Applied Sciences	Inorganic Chemistry	2020	0020-1669	https://pubs.acs.org/journal/inocaj	https://pubs.acs.org/doi/10.1021/acs.inorgchem.0c01202	Yes

	Pseudostannatran								
38	Asurveyonchannelcoding techniques for 5G wireless networks	Komal Arora, Jaswinder Singh, Yogeshwar Singh Randhawa	AppliedSciences	Telecom municatio nSystems	2020	1572-9451	https://link.springer.com/article/10.1007/s11235-019-00630-3	https://doi.org/10.1007/s11235-019-00630-3	Yes
39	Spectral efficient and reliableirregularQC-LDPC channel coding scheme for 5G vehicular applications	Komal Arora, Jaswinder Singh, Yogeshwar Singh Randhawa	AppliedSciences	Internatio nal Journalof Sensors Wireless Commun ications and Control	2020	2210-3287	https://www.eurekaselect.com/article/97428	https://www.eurekaselect.com/article/97428	Yes
40	A STUDY AND MATHEMATICAL MODELING OF SYNTHETICAPERTURE RADAR (SAR) MISSILE	JOGINDER SINGH, RAHUL KAKKAR, SUMEET GOYAL and GURINDE RJIT KAUR	AppliedSciences	Advances and Applicati ons in Mathema tical Sciences	2020	0974-6803)	https://www.mililink.com/journals_desc.php?id=59	https://www.mililink.com/upload/article/837668496aams_vol_195_march_2020_a5_p333-340_joginder_singh_and_rahul_kakkar.pdf	
41	A Fuzzy Logic Based Approach on Three Stage Flow Shop Scheduling WithTransportFacilityand JobBlockCriteria	Dr.Meenu Mittal	AppliedSciences	Journalof Xidian Universit y	2020	ISSN No:1001-2400	https://doi.org/10.37896/jxu14.4	https://doi.org/10.37896/jxu14.4/173	Yes
42	A COMPLEX BI-TANDEM FEEDBACK QUEUEMODELFORA DECISION SUPPORT SYSTEM	Dr. Arti Tyagi&Dr. Meenu Mittal	AppliedSciences	Journalof Xidian Universit y	2020	ISSN No:1001-2400	https://doi.org/10.37896/jxu14.4	https://doi.org/10.37896/jxu14.4/233	Yes

43	Tricyclotin(iv)cages: synthetic aspects and intriguing features of stannatranes and pseudostannatranes	Neha Srivasatv	AppliedSciences	New Journal of Chemistry, 2018, 42(11), pp.8756–8764	2020	1369-9261	https://pubs.rsc.org/en/content/articlelanding/2020/nj/c9nj05519c/unauth#:~:text=The%20main%20feature%20of%20stannatranes,triagonal%20bipyramidal%20geometry%20at%20Sn.&text=Herein%2C%20based%20on%20varying%20cage%20skeletons%2C%20stannatranes%20with%20%5B3.3.	Yes	
44	Erosioncorrosionbehavior andmechanicalpropertyof wirearcsprayedNi-Crand Ni-Al coating on boiler steelsinactualboiler environment	Santosh Kumar	AppliedSciences	Material at High Temperature	2020	0960-3409	https://www.tandfonline.com/journals/ymht20	https://doi.org/10.1080/09603409.2020.1810922	yes
45	Overview of Cold Spray CoatingsApplicationsand Comparisons: A Critical Review	Santosh Kumar	AppliedSciences	World Journalof Engineering	2020	1708-5284	DOI:10.1108/WJE-01-2019-0021	DOI:10.1108/WJE-01-2019-0021	yes
46	ModelingandAnalysis of ElectrostaticallyActuated Polysilicon Cantilever MEMS Device	Swarn Singh, Manvinder Sharma, Dishant Khosla,	AppliedSciences	A JOURNAL OF COMPOSITION THEORY	2019	ISSN:0731-6755 & Impact Factor:5.3	http://jctjournal.com/Vol-12-Issue-7-2019/	http://jctjournal.com/Vol-12-Issue-7-2019/	yes
47	Calcium Chloride Based Liquid Desiccant DehumidificationSystem- An Influence of Packing Height	Satwinder Singh, Swarn Singh,	AppliedSciences	A JOURNAL OF COMPOSITION THEORY	2019	ISSN:0731-6755 & Impact Factor:5.3	http://jctjournal.com/Vol-12-Issue-7-2019/	http://jctjournal.com/Vol-12-Issue-7-2019/	yes

48	WAVEGUIDEDIPLEXER DESIGN AND IMPLEMENTATION IN COMMUNICATION SYSTEMS	Sohni Singh, Sumeet Goyal, Manvinder Sharma, Rahul Kakkar	AppliedSciences	CGC Internatio nal Journalof Contemp orary Technolo gy and Research –	2018	2582-0486	https://cgcijctr.com/	https://www.cgcijectr.com/document/18.pdf	yes
49	SIW-basedleakywave antenna: design and analysis for silicon	Pankaj Palta, Manvinder Sharma, Dishant Khosla, Sumeet Goyal	AppliedSciences	Internatio nal.Journ al of Mobile Comput. Devices	2018	2393-9141	https://stmjournals.in	https://www.researchgate.net/profile/Dishant-Khosla/publication/334131915_SIW-Based_Leaky_Wave_Antenna_Design_and_Analysis_for_Silicon/links/5f993aef458515b7cfa41510/SIW-Based-Leaky-Wave-Antenna-Design-and-Analysis-for-Silicon.pdf	yes
50	Parametric Analysis of a Cross-Flow Liquid DesiccantDehumidification System	Satwinder Singh , Vikas Gupta , Swarn Singh	AppliedSciences	Internatio nal Journalof Research and Scientific Innovation(IJRSI)	2018	ISSN 2321– 2705	https://www.rsisinternational.org/journals/ijrsi/digital-library/volume-5-issue-6/68-72.pdf	https://www.rsisinternational.org/journals/ijrsi/digital-library/volume-5-issue-6/68-72.pdf	yes