

List of Publications in Journals - Applied Sciences Department

S. No.	Title of paper	Name of the author/s	Department of the Teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal	Link to article / paper / abstract of the article
1	Hydrogels:An overview of its classifications, Properties and Applications	Dr. Preeti Mehta	Applied science	Journal of the Mechanical Behavior of Biomedical Materials	2023	1751-6161	https://www.sciencedirect.com/journal/journal-of-the-mechanical-behavior-of-biomedical-materials	https://www.sciencedirect.com/science/article/abs/pii/S1751616123004988
2	Investigation of energy storage properties in lead-free BZT-40BCT relaxor ceramic 4t	Dr. Rajat Syal	Applied science	Materials Today: Proceedings	2023	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785323005758?CMX_ID=&SIS_ID=&dcid=STMJ_AUTH_SERV_PUBLISHED&utm_acid=82351269&utm_campaign=STMJ_AUTH_SERV_PUBLISHED&utm_in=DM343780&utm_medium=email&utm_source=AC_
3	Optimization of sintering temperature for dielectric studies of La doped BZT ceramics	Dr. Rajat Syal	Applied science	Materials Today: Proceedings	2023	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/abs/pii/S2214785323008659?via%3Dihub
4	Chemical engineering at morphotropic phase boundary: Interplay with thermally stabilized ultra-high energy storage and electrocaloric response	Dr. Rajat Syal	Applied science	Solid State Sciences	2023	1873-3085	https://www.sciencedirect.com/journal/solid-state-sciences	https://www.sciencedirect.com/science/article/abs/pii/S1293255823000821?via%3Dihub
5	Observation of recoverable energy response in Na _{0.5} Bi _{0.5} TiO ₃ -Ba _{0.85} Sr _{0.15} Zr _{0.1} Ti _{0.9} O ₃ -Ni _{0.7} Zn _{0.3} Fe ₂ O ₄ lead-free composites for energy storage applications	Dr. Rajat Syal	Applied science	Journal of Materials Science: Materials in Electronics	2023	0957-4522	https://www.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-023-10112-7
6	Tb-doped SnO ₂ Nanostructures for Fluorescence sensing and dye degradation applications	Dr.Harsimranjot Kaur	Applied science	Journal of Material Science: Materials in Electronics	2023	0957-4522	https://www.springer.com/journal/10854	https://doi.org/10.1007/s10854-023-10843-7
7	Hydrogels:An overview of its classifications, Properties and Applications	Dr.Meena DeVi	Applied science	Journal of the Mechanical Behavior of Biomedical Materials	2023	1751-6161	https://www.sciencedirect.com/journal/journal-of-the-mechanical-behavior-of-biomedical-materials	https://www.sciencedirect.com/science/article/abs/pii/S1751616123004988
8	Scrutinising the Debasement of a Female Body through Marital Violence and Digital Media in Meena Kandasamy's When I Hit You	Inderjot kaur	Applied science	Literature & Aesthetics	2023	2200-0437	https://openjournals.library.sydnev.edu.au/LA	https://openjournals.library.sydnev.edu.au/LA/article/view/17202
9	A Review on the synthesis, medicinal and biological properties of vanillin and its derivatives	Monika Sharma	Applied science	GIS Science JOURNAL	2023	1869-9391	https://gisscience.net/volume-10-issue-4-2023/	https://gisscience.net/volume-10-issue-4-2023/
10	Hydrogels:An overview of its classifications, Properties and Applications	Monika Sharma	Applied science	Journal of the Mechanical Behavior of Biomedical Materials	2023	1751-6161	https://www.sciencedirect.com/journal/journal-of-the-mechanical-behavior-of-biomedical-materials	https://www.sciencedirect.com/science/article/abs/pii/S1751616123004988
11	Eu-Gd@BIPO ₄ Nano-composite: A potential heterogenous catalyst in Biginelli Reaction	Monika Sharma	Applied science	Journal of Molecular Liquids	2023	0167-7322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732223010218
12	A review on the techniques used in the migration of virtual machine	Ms. Anu Thind	Applied science	International Journal of Creative Research Thoughts	2023	2320-2882	https://ijcrt.org/	http://ijcrt.org/viewfull.php?&p_id=IJCRT23A5415

13	Investigation of energy storage properties in lead-free BZT-40BCT relaxor ceramic	Sham singh	Applied science	Materials Today: Proceedings	2023	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/journal/materials-today-proceedings
14	Process Parameters Variation Effect On Ofet Based Low Power Hydrogen Sensor Design	Dr. Shashi Bala	Applied science	ECS Journal of Solid State Science and Technology	2023	2162-8777	https://iopscience.iop.org/journal/2162-8777	https://drive.google.com/drive/u/1/folders/14ZuifvzXZ9mP6eQqhxDTbl.1tGhioXYx
15	Cosmic-Ray Modulation in relation to Solar and Heliospheric Parameters	Dr Sham Singh	Applied science	Proceedings of Science	2023	1824-8039	https://www.icrc2023.org/	https://pos.sissa.it/444/1310/pdf
16	The Relationship between Cosmic Ray Intensity, Sunspot Cycle with Geomagnetic Activity	Dr Sham Singh	Applied science	Proceedings of Science	2023	1824-8039	https://www.icrc2023.org/	https://pos.sissa.it/444/1312/pdf
17	Interplanetary Origin of Large Geomagnetic Storms ($Dst \leq -100$ nt) During (2017–2021)	Dr Sham Singh	Applied science	Scope	2023	1177-5653	https://www.sciencedirect.com/journal/0169-5733	https://www.sciencedirect.com/journal/0169-5733
18	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	Dr Vidushi Karol	Applied science	Nuclear Engineering and Technology	2023	1738-5733	https://www.sciencedirect.com/science/article/pii/S1738573323000000	http://doi.org/10.1729/Journal.35979
19	Patriarchal High-Handedness and Gender Bigotry: A Barbed Wire for a Sustainable Future	Inderjot kaur	Applied science	Literary Voice	2022	2277-4521	https://www.literaryvoice.in/	https://www.literaryvoice.in/LV%20Special%20Edition%20Dec.%202022.pdf
20	Astrophysical reaction rates with realistic nuclear level densities	Dr. Sangeeta	Applied Science	Physical Review C	2022	2469-9985	https://journals.aps.org/prc/	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.105.044320
21	Metasurface Antennas for Wireless Applications: Applications & Challenges, Design of Metamaterial Unit Cell	Ripple Dhingra	Applied science	NEUROQUANTOLOGY	2022	1303-5150	https://www.neuroquantology.com/article.php?id=8808	https://www.neuroquantology.com/open-access/Metasurface+Antennas+for+Wireless+Applications%253A+Applications+%2526+Challenges%252C+Design+of+Metamaterial+Unit+Cell_10515/
22	Nuclear level densities away from line of β -stability	Dr. Sangeeta	Applied Science	Journal of Physics G: Nuclear and Particle Physics	2022	1361-6471	https://iopscience.iop.org/journal/0954-3899	https://iopscience.iop.org/article/10.1088/1361-6471/ac44ac
23	IoT Application for Home Automation	Ms. Namrata Chopra	Applied Science	Advances in Transdisciplinary Engineering (ATDE)	2022	2352-7528	https://www.iopress.com/catalog/book-series/advances-in-transdisciplinary-engineering	https://doi.org/10.3233/ATDE221236
24	Solat Utility Enhancement in IC engine Cars	Ms. Namarta Thakur	Applied Science	Journal of Xiadin univesity	2022	1001-2400	http://xadzkjdx.cn/	https://drive.google.com/file/d/16MH77feC1aM1IpgbRhQu2tuv3jOK3z/view
25	Implementation And Modeling of Low Power Sleepy Stack Sram	Dr. Sumeet goyal	Applied science	Journal of Advanced Sciences	2022	2198-3844	https://www.joasciences.com/index.php/joas/index	https://www.joasciences.com/index.php/joas/article/view/6
26	Solat Utility Enhancement in IC engine Cars	Dr. Manpreet Kaur	Applied Science	Journal of Xiadin univesity	2022	1001-2400	http://xadzkjdx.cn/	https://drive.google.com/file/d/16MH77feC1aM1IpgbRhQu2tuv3jOK3z/view
27	Implementation And Modeling of Low Power Sleepy Stack Sram	Dr. Rahul kakkar	Applied science	Journal of Advanced Sciences	2022	2198-3844	https://www.joasciences.com/index.php/joas/index	https://www.joasciences.com/index.php/joas/article/view/6

28	Child development, gender incongruity and significance of religious philosophy for sustainability: A comparative study	Inderjot kaur	Applied Science	International Journal of Early Childhood Special Education (INT-JECSE)	2022	1308-5581	https://www.int-jecse.net/	https://www.int-jecse.net/article/Child+development%252C+gender+incongruity+and+significance+of+religious+philosophy+for+sustainability%253A+A+comparative+study_758?download=true&format=pdf
29	Implementation And Modeling of Low Power Sleepy Stack Sram	Dr. Joginder Singh	Applied science	Journal of Advanced Sciences	2022	2198-3844	https://www.joasciences.com/index.php/joas/index	https://www.joasciences.com/index.php/joas/article/view/6
30	Mathematical modelling for prediction of spread of corona virus and artificial intelligence/machine learning-based technique to detect COVID-19 via smartphone sensors	Dr. Sumeet Goyal	Applied science	Int. J. Modelling, Identification and Control,	2022	1746-6172	https://www.inderscienceonline.com/journal/ijmic	https://www.inderscienceonline.com/doi/abs/10.1504/IJMIC.2022.127096
31	Mathematical modelling for prediction of spread of corona virus and artificial intelligence/machine learning-based technique to detect COVID-19 via smartphone sensors	Dr. Rahul Kakkar	Applied science	Int. J. Modelling, Identification and Control,	2022	1746-6172	https://www.inderscienceonline.com/journal/ijmic	https://www.inderscienceonline.com/doi/abs/10.1504/IJMIC.2022.127096
32	Solat Utility Enhancement in IC engine Cars	Ms. Namrata Chopra	Applied Science	Journal of Xiadin univesity	2022	1001-2400	https://xadzkidx.cn/	https://drive.google.com/file/d/16MH77feC1aM1IpqbRhOu2tuv3JfOK3z/view
33	Mathematical modelling for prediction of spread of corona virus and artificial intelligence/machine learning-based technique to detect COVID-19 via smartphone sensors	Dr. Joginder Singh	Applied science	Int. J. Modelling, Identification and Control,	2022	1746-6172	https://www.inderscienceonline.com/journal/ijmic	https://www.inderscienceonline.com/doi/abs/10.1504/IJMIC.2022.127096
34	Solat Utility Enhancement in IC engine Cars	Ms. Ripple Sahni	Applied Science	Journal of Xiadin univesity	2022	1001-2400	https://xadzkidx.cn/	https://drive.google.com/file/d/16MH77feC1aM1IpqbRhOu2tuv3JfOK3z/view
35	A Study on Mathematical model for Image Processing	Dr. Sumeet goyal	Applied science	International Journal of Exploration in Science and Technology	2022	2456-1118	https://ijest.webs.com/	https://ijest.webs.com/7.1.1.pdf
36	A Study on Mathematical model for Image Processing	Gurinderjit Kaur	Applied science	International Journal of Exploration in Science and Technology	2022	2456-1118	https://ijest.webs.com/	https://ijest.webs.com/7.1.1.pdf
37	A Study on Mathematical model for Image Processing	Dr. Joginder Singh	Applied science	International Journal of Exploration in Science and Technology	2022	2456-1118	https://ijest.webs.com/	https://ijest.webs.com/7.1.1.pdf
38	A Study on Mathematical model for Image Processing	Dr. Rahul kakkar	Applied science	International Journal of Exploration in Science and Technology	2022	2456-1118	https://ijest.webs.com/	https://ijest.webs.com/7.1.1.pdf
39	Metasurface Antennas for Wireless Applications: Applications & Challenges, Design of Metamaterial Unit Cell	Ms.Ripple Sahni	Applied science	NEUROQUANTOLOGY	2022	1303-5150	https://www.neuroquantology.com/article.php?id=8808	https://www.neuroquantology.com/open-access/Metasurface+Antennas+for+Wireless+Applications%253A+Applications+%2526+Challenges%252C+Design+of++Metamaterial+Unit+Cell_10515/
40	Decision on the range of peak current during cryogenically assisted electric discharge machining process	Aneesh Goyal	Applied science	Materials Today	2022	2214-7853	https://www.sciencedirect.com/science/article/pii/S221478532106483X	https://doi.org/10.1016/j.matpr.2021.10.004
41	Ultra-high energy storage efficiency in La-doped BCZT relaxor ceramic	Dr. Rajat Syal	Applied science	IEEE Xplore	2022	1944-9380	https://ieeexplore.ieee.org/abstract/document/9928739	https://doi.org/10.1109/NANO54668.2022.9928739
42	Synthesis and characterization of Ca substituted Ni-Zn nanoferrites- microstructural, magnetic and dielectric analysis	Dr. Rajat Syal	Applied science	Elsevier	2022	0925-8388	https://www.sciencedirect.com/science/article/pii/S0925838822036398	https://doi.org/10.1016/j.jallcom.2022.167248

43	Simulation of Mos2 based Asymmetric Nano-Channel Rectifier	Dr. Rajat Syal	Applied science	IEEE Xplore	2022	1944-9380	https://ieeexplore.ieee.org/abstract/document/9928647	https://ieeexplore.ieee.org/document/9928647
44	Patriarchal High-Handedness and Gender Bigotry: A Barbed Wire for a Sustainable Future	Inderjot kaur	Applied science	Literary Voice	2022	2277-4521	https://www.literaryvoice.in/	https://www.literaryvoice.in/LV%20Special%20Edition%20Dec.%202022.pdf
45	Parameter Variation Analysis of Dopingless and Junctionless Nanotube MOSFET	Dr. Shashi Bala	Applied Science	Silicon	2021	1876-9918	https://www.springer.com/journal/12633	https://link.springer.com/article/10.1007/s12633-021-01303-0
46	Silicon Material Based Tunnel FET for Controlling Ambipolar Current	Dr. Harpal Singh	Applied Science	Silicon	2021	1876-9918	https://www.springer.com/journal/12633	https://link.springer.com/article/10.1007/s12633-021-01303-0
47	Analytical Modelling and Simulation Analysis of Junctionless Nanotube (JLNT) MOSFET	Dr. Shashi Bala	Applied Science	Transactions on Electrical and Electronic Materials	2021	1546-1971	link.springer.com/article/10.1007/s42341-021-00349-6	https://doi.org/10.1007/s42341-020-00255-3
48	Silicon Material Based Tunnel FET for Controlling Ambipolar Current	Dr. Shashi Bala	Applied Science	Silicon	2021	1876-9918	https://www.springer.com/journal/12633	https://link.springer.com/article/10.1007/s12633-021-01303-0
49	Passive Image Forensics using Universal Techniques: A Review	Dr. Priyanka Kaushal	Applied Science	Artificial Intelligence Review	2021	1573-7462	https://www.springer.com/journal/10462	https://link.springer.com/article/10.1007/s10462-021-10046-8
50	Synthesis and characterisation of zinc oxide nanoparticles and its antimicrobial activity against Staphylococcus aureus and Micrococcus	Dr. Shalini	Applied science	International journal of nanoparticles	2021	1753-2507	https://www.inderscienceonline.com/journal/11111	https://doi.org/10.1504/IJNP.2021.116775
51	Study and Analysis of Advanced 3D Multi-Gate Junctionless Transistors	Dr. Shashi Bala	Applied Science	Silicon	2021	1876-9918	https://www.springer.com/journal/12633	https://link.springer.com/article/10.1007/s12633-020-00904-5
52	PORTRAYAL OF POWER DYNAMICS IN BAPSI SIDHWA'S NOVEL 'THE PAKISTANI BRIDE'	Inderjot kaur	Applied Science	Psychology and Education Journal	2021	1553-6939	http://psychologyandeducation.net/pae/index.php/pae	https://doi.org/10.17762/pae.v58i1.2062
53	MATHEMATICAL MODELING OF VISCOOTHERMOELASTIC DIFFUSIVE BODY WITH PHASE LAGS	Dr. Priyanka Kaushal	Applied Science	International Journal of Latest Trends in Engineering and Technology	2021	2278-621X	https://www.ijlter.org/index.php	www.ijlter.org/journal_details.php?id=970&j_id=5016
54	Cu ₂ S-CdS Heterojunctions for Solar Cell Applications	Dr. Sham singh	Applied Science	Research Journal of Chemistry and Environment	2020	0972-0626	https://worldresearchersassociations.com/chemistr/home.aspx	https://www.researchgate.net/profile/Sham-Singh-3/publication/347511791_Cu_2_S-CdS_Heterojunctions_for_Solar_Cell_Applications/links/5fd6d5f299bf14088276f0/Cu-2-S-CdS-Heterojunctions-for-Solar-Cell-Applications.pdf
55	SYNTHESIS OF 3, 4-DIHYDROPYRIMIDINE-2(1H)-ONES/THIONES BY CERIUM TRICHLORIDE AS A CATALYST USING DIFFERENT SOLVENTS UNDER SAME REACTION CONDITIONS FOR BETTER YIELD	Monika sharma	Applied Science	WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES	2020	2278 – 4357	https://www.wjpps.com/wjpps_controller/index	https://www.wjpps.com/Wjpps_controller/abstract_id/14364
56	SYNTHESIS OF 3, 4-DIHYDROPYRIMIDINE-2(1H)-ONES/THIONES BY CERIUM TRICHLORIDE AS A CATALYST USING DIFFERENT SOLVENTS UNDER SAME REACTION CONDITIONS FOR BETTER YIELD	Dr. Meena Devi	Applied Science	WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES	2020	2278 – 4357	https://www.wjpps.com/wjpps_controller/index	https://www.wjpps.com/Wjpps_controller/abstract_id/14364
57	Total Ionization Dose (TID) Effects on 2D	Dr. Shashi Bala	Applied Science	Transactions on Electrical and Electronic Materials	2020	2275-2292	link.springer.com/article/10.1007/s42341-020-00255-3	https://doi.org/10.1007/s42341-020-00255-3

58	Novel p-Functionalized Chromen-4-on-3-yl Chalcones Bearing Astonishing Boronic Acid Moiety as MDM2 Inhibitor: Synthesis, Cytotoxic Evaluation and Simulation Studies	Dr. Lakhwinder Singh	Applied Science	Medicinal Chemistry	2020	1875-6638	http://www.eurekaselect.com/journal/50/abstract-journal	https://pubmed.ncbi.nlm.nih.gov/31146672/
59	Effect of nuclear structure and fissility on quasifission	Dr. Sangeeta	Applied Science	Physical Review C	2020	2469-9985	https://journals.aps.org/prc/	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.102.044610
60	Dynamical Study of Quadrating harvesting of prey in a Predator-Prey Model with Monod Haldane functional response Functional Response	Dr. Manpreet Kaur	Applied Science	Journal of Applied Mathematics and Computing	2020	1598-5865	https://www.springer.com/journal/12190	https://doi.org/10.1007/s12190-020-01438-0
61	Green Synthesis of Agar/Gelatin Based Superabsorbent (BGCP) Through Gamma Radiation Cross-Linking Polymerization for Castoff as Sustained Drug Delivery Device and in Soil Treatment for Improved Water Retention	Dr. Preeti Mehta	Applied Science	Journal of Polymers and the Environment	2020	1566-2543	https://www.springer.com/journal/10924	https://doi.org/10.1007/s10924-020-01894-6
62	Effect of excitation wavelength and europium doping on the optical properties of nanoscale zinc oxide	Dr. Arvind Sharma	Applied Science	Journal of Material Science: Materials in Electronics	2020	1573-482X	https://www.springer.com/journal/10854	https://link.springer.com/article/10.1007/s10854-020-04525-x
63	Competence of Cranio Facial Growth in Aphorising Age Through Visage	Dr. A.Deepa	Applied Science	International Journal of Control and Application	2020	2005-4297	http://serisc.org/journals/index.php/IJCA	http://serisc.org/journals/index.php/IJCA/article/view/24721
64	Dynamic Routing and Wavelength Assignment for Efficient Traffic Grooming	Dr. Priyanka Kaushal	Applied Science	Journal of Optical Communications	2020	2191-6322	https://www.degruyter.com/journal/key/joc/htm?lang=en	https://www.degruyter.com/document/doi/10.1515/joc-2019-0309/html
65	Improved Sensitivity of Dielectric Modulated Junctionless Transistor for Nanoscale Biosensor Design	Dr. Shashi Bala	Applied Science	Sensor Letters	2020	1546-1971	https://www.ingentaconnect.com/content/asp/senlet?sessionid=7mmud334bjqx-ic-live-03	https://doi.org/10.1166/sl.2020.4224
66	THE IDEATIONAL FACET OF PLOSIVES, FRICATIVES AND AFFRICATES	Inderjot kaur	Applied Science	Research Journal of English Language and Literature (RJELAL)	2020	2395-2636	http://www.rjelal.com/	http://www.rjelal.com/8.2.20/63-71%20INDERJOT%20KAUR.pdf
67	THE IDEATIONAL FACET OF PLOSIVES, FRICATIVES AND AFFRICATES	Dr.Meena Devi	Applied Science	Research Journal of English Language and Literature (RJELAL)	2020	2395-2636	http://www.rjelal.com/	http://www.rjelal.com/8.2.20/63-71%20INDERJOT%20KAUR.pdf
68	Dynamical Study of Prey-Predator-Scavenger Model with Modified Leslie-Gower Predation and Quadrating Harvesting of Predator and Scavenger	Dr. Manpreet Kaur	Applied Science	Journal of Xiadin univesity	2020	1001-2400	https://xadzkids.cn/	https://drive.google.com/file/d/1R_Eqcawu5Wv6GqJ0dFISoOUfF_sZ0LXu/view?usp=share_link
69	Dynamical Study of Quadrating harvesting of prey in a Predator-Prey Model following Modified Leslie-Gower type Predation and Crowley-Martin type Functional Response	Dr. Manpreet Kaur	Applied Science	International Journal of Control and Automation	2020	2005-4297	http://serisc.org/journals/index.php/IJCA/article/view/5757	http://serisc.org/journals/index.php/IJCA/article/view/5757
70	Collective enhancement in nuclear level density	Dr.Sangeeta	Applied Science	Physical Review C	2019	2469-9993	https://journals.aps.org/prc/	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.100.011602
71	INTENSIFICATION OF LEMPEL-ZIV-WELCH ALGORITHM	A.Deepa	Applied Science	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075	https://www.iitjee.org/	https://library.net/document/nzw71e1q-intensification-of-lempel-ziv-welch-algorithm.html
72	Facial Age Estimation In Human Face By Fractal Directional Code Method	Dr. A.Deepa	Applied Science	International Journal of Electrical Engineering & Education	2019	0020-7209	https://journals.sagepub.com/home/IJE	https://journals.sagepub.com/doi/abs/10.1177/0020720919884243

73	Electro hydrodynamic convection in a rotating dielectric micropolar fluid layer	Harsimran kaur	Applied Science	International Journal of Applied Mechanics and Engineering	2019	2353-9003	https://sciendo.com/es/journal/IJAME	https://sciendo.com/es/article/10.2478/ijame-2019-0052
74	Effect of clusterization algorithm with isospin-dependent nuclear charge radii parameterization on azimuthal angle dependence of elliptical flow	Dr.Sangeeta	Applied Science	Indian Journal of Pure and Applied Physics	2019	0975-1041	http://op.niscair.res.in/index.php/IJPAP/index	https://inspirehep.net/files/3cc5b84ef3ad11b4a35a1d08857835
75	Detection of Involuntary Iris Scanning for enhanced biometric security.	Gurmeet Kaur	Applied Science	International Journal Technology and Exploring of Innovative Engineering	2019	2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v8i9S/110830789S19.pdf
76	A Novel signal scrambling technique for PAPR reduction in OFDM system	Dr. Shikha Saxena	Applied Science	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v8i9S/11240789S19.pdf
77	Photometric Determination of Cobalt (II) after Adsorption of its 1-Benzoyl3-(2-pyrimidyl) thiourea Complex on Polyurethane Foam	Dr Shalini Verma	Applied Science	Asian Journal of research chemistry	2019	0974-4169	https://www.aironline.org/	https://aironline.org/AbstractView.aspx?PID=2019-12-4-4
78	Performance Analysis of Fractional Redundant Wavelet Transform for Watermarking Scheme	Dr.Priyanka kaushal	Applied Science	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v8i9S/110080789S19.pdf
79	INTENSIFICATION OF LEMPEL-ZIV-WELCH ALGORITHM	Ms. Namrata Chopra	Applied Science	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075	https://www.ijitee.org/	https://library.net/document/nzw71e1q-intensification-of-lempel-ziv-welch-algorithm.html
80	A SURVEY ON HUMAN FACES AND FACTORS INVOLVED IN AGING	Dr. A.Deepa	Applied Science	PARIPEX INDIAN JOURNAL OF RESEARCH(2019)	2019	2250-1991	https://www.worldwidejournals.com/paripex/	https://www.worldwidejournals.com/paripex/article/a-survey-on-processing-human-face-and-factors-involved-in-aging-MTE3MzU=?is=1&b1=213&k=54
81	Cosmic Ray Intensity increases during high solar activity period for the solar cycle 22 and 23	Dr.Sham singh	Applied Science	Indian Journal of Physics	2018	0973-1458	https://www.springer.com/journal/12648	https://link.springer.com/article/10.1007/s12648-018-1284-3
82	Validation of RKAS Soil Dielectric Model at C and X-Band Microwave Frequencies	Dr. Arvind Sharma	Applied Science	Journal of Microwaves, Optoelectronics and Electromagnetic Applications	2018	2179-1074	https://www.scielo.br/journal/jmoea/about#about	https://www.scielo.br/j/jmoea/a/WODfiqW5J6t6jc3xGQnqGekb/?format=html&lang=en
83	Axisymmetric distribution of thick circular plate in viscothermoelastic with mass diffusion and phase lags	Dr. Priyanka Kaushal	Applied Science	International Review of Pure and Applied Mathematics	2018	2470-1343	https://www.serialsjournals.com/index.php?route=product/product/volumearticle&issue_id=100&product_id=392	https://serialsjournals.com/abstract/89135_9_raines_h.pdf
84	Interplanetary origin of super and super greatgeomagnetic storms during 1996-2015	Dr.Sham singh	Applied Science	Indian Journal of Scientific Research	2018	0976-2876	https://www.indianjournals.com/ijor.aspx?target=ijor:ijst1&type=home	https://indianjournals.com/ijor.aspx?target=ijor:ijst1&volume=8&issue=1&article=004
85	Two-Dimensional Deformation in a Thermoelastic Solid with Microtemperatures Subjected to an Internal Heat Source	Dr. Joginder Singh	Applied science	International Journal of Applied Mechanics and Engineering	2018	1734-4492	https://sciendo.com/it/journal/IJAME	https://sciendo.com/it/article/10.1515/ijame-2018-0001
86	Transversely Isotropic Magneto- Viscothermoelastic Medium with Vacuum and with and without Energy Dissipation	Dr. Priyanka Kaushal	Applied Science	Journal of Solid Mechanics	2018	2008-7683	https://ism.iau-arak.ac.ir/	http://ism.iau-arak.ac.ir/article_542599.html
87	Dielectric Behavior of dry soil of different districts of Haryana (India) at 5.3 GHz	Dr. Arvind Sharma	Applied Science	Open Access International Journal of Science& Engineering	2017	2456-3293	http://www.oaijse.com/	http://www.oaijse.com/VolumeArticles/FullTextPDF/56_Dielectric_Behavior_Of_Dry_Soil_Of_Different_Districts_Of_Haryana_(India)_At_5.3_Ghz_QAU5E.pdf

88	Eigen value approach for dual phase lag micropolar porous thermoelastic circular plate with ramp type heating	Dr. Priyanka Kaushal	Applied Science	Multidiscipline Modeling in Materials and Structures	2017	1573-6105	https://www.emerald.com/insight/publication/issn/1573-6105	https://www.emerald.com/insight/content/doi/10.1108/MMMS-12-2016-0063/full.html
89	APPLICATIONS OF NANOPARTICLES AS ANTIBACTERIAL AND ANTIMICROBIAL AGENTS WITH REFERENCE TO SILVER, GOLD AND ZINC METALS	Monika Sharma	Applied Science	WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES	2017	2278-4357	https://www.wjpps.com/wjpps_controller/index	https://www.semanticscholar.org/paper/APPLICATIONS-OF-NANOPARTICLES-AS-ANTIBACTERIAL-AND-Sharma/1e565b48db8fdac73bc79f687a70201285e63ba6
90	Designing of Microstrip Patch Antenna at 60 GHz using Stripline Feeding for Defense Applications	Ripple Sahni	Applied Science	International Journal of Control Theory and Applications	2017	0974-5572	https://serialsjournals.com/	https://serialsjournals.com/abstract/34159_ch_9_f_ch_11_f_52.pdf
91	Axisymmetric vibration for micropolar Porous thermoelastic circular plate	Dr. Priyanka Kaushal	Applied Science	Int. J. of Applied Mechanics and Engineering,	2017	2353-9003	https://sciendo.com/journal/IJAME	https://www.ijame-poland.com/Axisymmetric-Vibration-for-Micropolar-Porous-Thermoelastic-Circular-Plate.167037.0.2.html
92	Application of Graph theory in Everyday Life and Technology	Ms.Kiran Kaundal	Applied Science	Imperial Journal of Interdisciplinary Research	2017	2454-1362	https://www.imperialjournals.com/index.php/IJIR/	https://www.semanticscholar.org/paper/Applications-of-Graph-Theory-in-Everyday-Life-and-Kaundal/678432461a7176f6ca2ebf678511bb1de498790e
93	A Study of Linear Algebra for Computer Vision	Ms.Kiran Kaundal	Applied Science	International Journal of Innovative Research in Computer and Communication Engineering	2017	2320-9801	www.ijircc.com	https://library.net/document/z3nj8vdc-a-study-of-linear-algebra-for-computer-vision.html
94	NanoInk: The Recent Technology of Nanography and Xerography	Dr.Sham singh	Applied Science	International Journal of Current Multidisciplinary Studies	2017	2455-3107	http://www.journalijcms.com/	http://www.journalijcms.com/sites/default/files/issue_s.pdf/IJCMS-0285-A1-2017.pdf
95	Performance of Convolutional Code Encoder Structure with Code Rate 1/2 Using Particle Swarm Optimization	Ripple Sahni	Applied Science	International Journal of Engineering Research and General Science	2017	2091-2730	http://ijergrs.org/	http://pnrsolution.org/Datacenter/Vol5/Issue3/8.pdf
96	The Plasma Approximation	Dr.Sham singh	Applied Science	Journal of Scientific Research in Science and Technology	2017	2395-6011	https://ijsrst.com/	https://ijsrst.com/paper/776.pdf
97	Analytical Study of Spatial & Transform Domain Analysis of Image Stenography Techniques	Gurmeet Kaur	Applied Science	International Research Journal of Engineering and Technology	2017	2395-0072	https://www.irjet.net/	https://www.irjet.net/archives/V4/45/IRJET-V4I5790.pdf
98	NanoInk: The Recent Technology of Nanography and Xerography	Gurveer singh Dhaliwal	Applied Science	International Journal of Current Multidisciplinary Studies	2017	2455-3107	http://www.journalijcms.com/	https://journalijcms.com/sites/default/files/issue_s.pdf/IJCMS-0285-A1-2017.pdf
99	Mathematical modeling of torsional surface wave propagation in a non-homogeneous transverse isotropic elastic solid semi-infinite medium under a layer	Dr. Arvind Sharma	Applied Science	International Journal of Applied Mechanics and Engineering	2017	2353-9003	https://sciendo.com/it/journal/IJAME	https://sciendo.com/it/article/10.1515/ijame-2017-0025
100	Mathematical Modeling For The Estimation Of Dielectric Constant Of Dry And Moist Soil At C And X Band Microwave Frequencies	Dr. Arvind Sharma	Applied Science	International Journal for Research in Applied Science & Engineering Technology	2017	2321-9653	https://www.ijraset.com/	https://www.ijraset.com/fileserve.php?FID=10103
101	Creep Stresses in a Rotating Disc having Variable Density and Mechanical Load under Steady-State Temperature	Dr. Joginder Singh	Applied science	International Journal of Structural Integrity and Life.	2017	1451-3749	http://divk.inovacionicentiar.rs/ivk/home.html	http://divk.inovacionicentiar.rs/ivk/ivk17/097.IVK2-2017-PT-SK-JS.pdf
102	Effect of geomagnetic storms and their association with solar wind and IMF during solar cycle 23 and 24.	Dr.Sham Singh	Applied Science	International Journal of Pure and Applied Physics	2017	0973-1776	https://www.ripublication.com/ijpap.htm	https://www.ripublication.com/ijpap17/ijpapv13n1-04.pdf

103	Effect of Geomagnetic Storms and Their Association with Solar Wind Velocity during 1996-2016	Dr.Sham Singh	Applied Science	International Journal of Scientific Research in Science, Engineering and Technology	2017	2395-1990	https://ijsrset.com/	https://ijsrset.com/IJSRSET173498
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Chandigarh Engineering College - CGC
Landran, Mohali, Punjab

List of Publications in Conferences - Applied Sciences Department

S. No.	Name of The Faculty	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN number	Name of the publisher
1	Dr. Priyanka Kaushal	Face and Iris recognition using neural network : Review	Proceeding Under Process	3rd International Conference on Innovative Sustainable Computational Techniques	International	2023	Proceeding Under Process	IEEE
2	Dr. A. Deepa	Repercussion of Expressions in Facial Age Estimation	2022 International Conference on Inventive Computation Technologies (ICICT 2022)	International Conference on Inventive Computation Technologies (ICICT 2022)	International	2022	978-1-6654-0837-0	IEEE
3	Dr.Sham singh	Influence of counter electrode on the photovoltaic properties of Cu2S/CdS heterojunction	AIP Conference Proceedings	AIP Conference	International	2022	1551-7616	AIP Publishing
4	Harpal Singh	Investigations on Millimeter Wave (mmW) Antenna for 5G Technology: Design Considerations and Applications	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2022)	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2022)	International	2022	978-81-19079-29-2	Bharti Publications
5	Dr.Priyanka kaushal	Relevance of Matrices and Image Processing	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2022)	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2022)	International	2022	978-81-19079-29-2	Bharti Publications
6	Dr.Harpal Singh	Relevance of Matrices and Image Processing	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2022)	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2022)	International	2022	978-81-19079-29-2	Bharti Publications
7	Inderjot Kaur	Digital Media and Relationships: A Study of Meena Kandasamy's Novel, 'When I Hit You Or, a Portrait of the Writer as a Young Wife'	Electronic Textual Cultures: A study of digital literature and literature in digital spaces	IJLHM	International	2022	0975-2935	EFL
8	Namrata Chopra	Intensification of Lempel Ziv Welch algorithm	ICIC,CGC College of Engineering, Mohali	ICIC,CGC College of Engineering, Mohali	Scopus	2019	ISSN: 2278-3075	BEIESP

9	Dr. Sangeeta	Effect of entrance channel magicity on fission dynamics	Proceedings of the DAE Symp. on Nucl. Phys. 64 (2019)	DAE Symposium on Nuclear Physics (National)	International	2019	818372083-8	BRNS-DAE, BARC, Mumbai
10	Arvind Kumar	A Review Of Effects Of Technology-Push And Demand-Pull Strategies On Sustainable Development In Manufacturing Industries	International Conference on Contemporary Advances in Mechanical Engineering(ICCAME-2019)	International Conference on Contemporary Advances in Mechanical Engineering(ICCAME-2019)	International	2019	978-81-19079-23-0	Bharti Publications
11	Kiran Kaundal	A review of effect of technology- push and demand -pull strategies on sustainable development in manufacturing industries	International Conference on Contemporary Advances in Mechanical Engineering	ICCAME-2019	International	2019	978-81-19079-23-0	Bharti Publications
12	Dr. Priyanka Kaushal	Waiting Probability Based Traffic Grooming In Optical Networks	SCSTM -2019	Sustainable Computing in Science, Technology and Management, (Published by SCOPUS indexed Elsevier publishers	International	2019	1556-5068	Elsevier publishers
13	Dr. Harpal Singh	Resistivity based low cost mastitis level detection system	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2019)	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2019)	International	2019	978-81-19079-28-5	Bharti Publications
14	Manmeet kaur	Smart routing with segmental routing mechanism for wireless mesh network(WMN)	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2019)	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2019)	International	2019	978-81-19079-28-5	Bharti Publications
15	Dr. Harpal Singh	Performance analysis of fractional Redundant wavelet transform for watermarking scheme	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2019)	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2019)	International	2019	978-81-19079-28-5	Bharti Publications
16	Manpreet Kaur	VLSI Implementation of SVM Based Offline Signature Verification Algorithm	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2019)	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2019)	International	2019	978-81-19079-28-5	Bharti Publications
17	Sumeet Goyal	Design, Modelling And Shear Analysis Of Micro-Sized Piezoelectric Quartz Crystal For Oscillators And Microbalances	International Conference on Contemporary Advances in Mechanical Engineering(ICCAME-2019)	International Conference on Contemporary Advances in Mechanical Engineering(ICCAME-2019)	International	2019	978-81-19079-23-0	Bharti Publications
18	Ms. Kiran Kaundal	Hybrid Machining Processes: A Latest Perspective	International Conference on Contemporary Advances in Mechanical Engineering(ICCAME-2019)	International Conference on Contemporary Advances in Mechanical Engineering(ICCAME-2019)	International	2019	978-81-19079-23-0	Bharti Publications
19	Ms. Sapna	Hybrid Machining Processes: A Latest Perspective	International Conference on Contemporary Advances in Mechanical Engineering(ICCAME-2019)	International Conference on Contemporary Advances in Mechanical Engineering(ICCAME-2019)	International	2019	978-81-19079-23-0	Bharti Publications
20	Archana Thakur	Experimental Study On Hot Die Steel Tool HS21 Using Coated And Uncoated Brass Wire On WEDM	International Conference on Contemporary Advances in Mechanical Engineering(ICCAME-2019)	International Conference on Contemporary Advances in Mechanical Engineering(ICCAME-2019)	International	2019	978-81-19079-23-0	Bharti Publications

21	Dr. Arti Tyagi	Hybrid Machining Processes: A Latest Perspective	International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2019)	International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2019)	International	2019	978-81-19079-23-0	Bharti Publications
22	Rahul Kakkar	Design, Modelling And Shear Analysis Of Micro-Sized Piezoelectric Quartz Crystal For Oscillators And Microbalances	International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2019)	International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2019)	International	2019	978-81-19079-23-0	Bharti Publications
23	Archana Thakur	Analytical Prediction Of Stability Lobes In Drilling In Bending Including Gyroscopic Effect	International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2019)	International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2019)	International	2019	978-81-19079-23-0	Bharti Publications
24	Arvind Kumar	Effect Of Copper And Silicon Addition On Tensile Strength Of Austempered Ductile Iron	International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2019)	International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2019)	International	2019	978-81-19079-23-0	Bharti Publications
25	Sapna	A review of effect of technology- push and demand -pull strategies on sustainable development in manufacturing industries	International Conference on Contemporary Advances in Mechanical Engineering	ICCAME-2019	International	2019	978-81-19079-23-0	Bharti Publications
26	Dr.A.Deepa	Intensification of Lempel Ziv Welch algorithm	International Conference on Innovations in Computing (ICIC 2019)	International Conference on Innovations in Computing (ICIC 2019)	Scopus	2019	2278-3075	Landran, Mohali
27	Joginder Singh	Design, Modelling And Shear Analysis Of Micro-Sized Piezoelectric Quartz Crystal For Oscillators And Microbalances	International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2019)	International Conference on Contemporary Advances in Mechanical Engineering (ICCAME-2019)	International	2019	978-81-19079-23-0	Bharti Publications
28	Ripple sahni	Energy aware nature inspired algorithm for better energy utilization for wireless sensor network	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2019)	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2019)	International	2019	978-81-19079-28-5	Bharti Publications
29	Dr.A.Deepa	Feasibility of Filters in Processing Facial Images	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2019)	International Conference on Innovation in Communication, Computing and Sciences (ICCS 2019)	Scopus	2019	978-81-19079-28-5	Bharti Publications