

Research Publications

S. No	Name of authors	Title of the paper	Year of Publication	Journal Name	ISSN/ISBN No	Volume & Page no	Journal impact factor	SCI/SCOPUS/UGC approved	Whether main author/corresponding author/co-author
1	Dr.Harpal Singh	Sparsity Based Adaptive Channel Estimation By Bacterial Foraging Optimization	2020	Journal of Critical Reviews	ISSN- 2394-5125	Vol 7, Issue-18, pp. 402-407		Scopus	Main author
2	Dr.Harpal Singh	Hierarchal Classification of Satellite Image Using ANN Classifier	2020	Journal of Critical Reviews	ISSN- 2394-5125	Vol 7, Issue-19, pp. 2524-2529		Scopus	Co-author
3	Dr.Harpal Singh	Powering the Electric Vehicle with a Dynamo Using Wind Energy	2020	Journal of Critical Reviews	ISSN- 2394-5125	Vol 7, Issue-19, pp. 1642-1649		Scopus	Co-author
4	Dr.Harpal Singh	A Novel CBIR-Based System using Texture Fused LBP Variants and GLCM Features	2019	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075	Volume-9, Issue-2, pp.1247-1257	5.54	Scopus	Co-author

5	Dr.Harpal Singh	Performance Analysis of Fractional Redundant Wavelet Transform for Watermarking Scheme	2019	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075	Volume-8, Issue-9S, pp.47-52	5.54	Scopus	Main author
6	Dr.Harpal Singh	Resistivity Based Low Cost Mastitis Level Detection System	2019	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075	Volume-8, Issue-9S, pp.42-46	5.54	Scopus	Main author
7	Dr.Harpal Singh	Fuzzy-NN approach with statistical features for description and classification of efficient image retrieval	2019	Modern Physics Letters A	0217-7323 (print); 1793-6632 (web)	Vol. 34 (2019) pp. 1950022-1 to 1950022-24	1.367	SCI	Co-author
8	Dr.Harpal Singh	Statistical Feature Based Image Classification and Retrieval Using Trained Neural Classifiers	2018	International Journal of Applied Engineering Research	Print ISSN 0973-4562, Online ISSN 0973-9769	Volume 13, Number 8, pp. 5766-5771	0.354	Scopus	Co-author

9	Dr.Harpal Singh	Statistical optimization of radial vectors for pattern reconstruction/retrieval	2017	IEEE Xplore, DOI: 10.1109/CIACT.2017.7977279	978-1-5090-6218-8	DOI: 10.1109/CIACT.2017.7977279		Scopus	Co-author
10	Dr.Harpal Singh	Radial Vektored Features For Pattern Enveloping And Retrieval	2016	Journal of Optoelectronics and Advanced Materials	1841 - 7132 - Online, ISSN (Print): 1454 - 4164	Vol. 18, No. 9-10, pp. 878 – 883	0.588	SCI	Co-author
11	Dr.Harpal Singh	Area Reduction in Redundancy Module for an ECC Based Fault Tolerance in Digital Filters	2016	<i>I.J. Image, Graphics and Signal Processing</i> , DOI: 10.5815/ijigsp.2016.08.04	2074-9074	vol. 8, Issue 8, pp. 25-29	0.722	Scopus	Co-author
12	Dr.Harpal Singh	Hybridization of Discrete Wavelet and Singular Value Decomposition using Redundant Wavelet for Robust Video Watermarking	2016	<i>I.J. Image, Graphics and Signal Processing</i> , DOI: 10.5815/ijigsp.2016.05.05.	2074-9074	vol. 8, Issue 5, pp. 61-67	0.722	Scopus	Co-author

13	Dr.Harpal Singh	Fractional M-Band Dual Tree Complex Wavelet Transform for Digital Watermarking	2014	<i>Sadhana-Academy proceedings in Engineering Sciences, DOI: 10.1007/s12046-013-0217-2.</i>	0256-2499	vol. 39(2), pp. 345-361.	0.849	SCI	Main author
14	Dr.Harpal Singh	A Novel Robust Logo Watermarking Scheme Using Fractional M-Band Wavelet Transform	2014	<i>Journal of Communications Technology and Electronics, DOI: 10.1134/S1064226914110199.</i>	1555-6557	vol. 59(11), pp. 1234-1246.	0.483	SCI	Main author
15	Dr. Lakhwinder Singh	Domino routes to substituted benzoindolizines : tandem reorganization of 1,3-dipolar cycloadducts of nitrones with allenic esters/ketones and alternative cycloaddition–palladium catalyzed cyclization pathway.	2009	Tetrahedron	: 0040-4020	65, 4593–4603	2.817	SCI	Co-author

16	Dr. Lakhwinder Singh	Synthesis and Cytotoxic Activity of Some Novel Polycyclic γ -Butyrolactones.	2008	Bioorganic & Medicinal Chemistry Letters	, ISSN: 0960-894X	18, 4809-4812	2.331	SCI	Co-author
17	Dr. Lakhwinder Singh	Synthesis of Unsymmetrical Substituted 1,4-Dihydropyridines through Thermal and Microwave Assisted [4+2] Cycloadditions of 1-Azadienes and Allenic Esters.	2008	J. Organic Chem	ISSN: 1520-6904 (WEB)	73, 2224-2233	4.638	SCI	Main author
18	Dr. Lakhwinder Singh	Investigations on regio- and stereoselectivities in cycloadditions involving α -(3-pyridyl)-N-phenylnitrone: Development of an efficient route to novel nicotine analogs.	2005	J. Heterocyclic Chem.	ISSN: 1943-5193	42, 1047-1054	: 0.873	SCI	Co-author

19	Dr. Lakhwinder Singh	2-(N-methylanilino)-3-formylchromone- a versatile synthon for incorporation of chromone moiety in a variety of heterocyclic systems and macrocycles through reactions with bifunctional nucleophiles.	2002	Tetrahedron	ISSN: 0040-4020	58, 7883-7890	2.817	SCI	Co-author
20	Dr. Lakhwinder Singh	Role of atrial natriuretic peptide in controlling diabetic nephropathy in rats	2018	J Basic Clin Physiol Pharmacol	2191-0286	29(5):499-505	0.699	SCOPUS	Co-author
21	Dr. Lakhwinder Singh	Novel p-Functionalized Chromen-4-on-3-yl Chalcones Bearing Astonishing Boronic Acid Moiety as MDM2 Inhibitor:	2020	Medicinal Chemistry	ISSN (Online): 1875-6638	Volume 16 , Issue 2, [212 - 228]	2.291	SCIE	Co-author

		Synthesis, Cytotoxic Evaluation and Simulation Studies							
22	Dr. Lakhwinder Singh	SYNTHESIS AND PHARMACOLOG ICAL EVALUATION OF SUSTITUTED N- (3-FORMYL-4- OXO-4H- CHROMEN-2- YL)-N- PHENYLBENZEN ESULFONAMIDE AND ITS DERIVATIVES	2017	IJPSR	ISSN (Online): 0975-8232	Vol. 8(10): 4461- 4472.	1.81	ESCI	Co-author
23	Dr. Priyanka Kaushal	Dynamic Routing and Wavelength Assignment for Efficient Traffic Grooming	2020	Journal of Optical Communications	doi: 10.1515/joc-2019-0309		0.9	SCI	Main Author

24	Dr. Priyanka Kaushal	Relevance of Matrices and Image Processing	2020	CGC International Journal of Contemporary Technology and Research	ISSN: 2582-0486 (online)	vol.2, issue 2		Peer Reviewed - UGC Approved	Corresponding author
25	Dr. Priyanka Kaushal	Performance Analysis of Fractional Redundant Wavelet Transform for Watermarking Scheme	2019	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	ISSN: 2278-3075	, Volume-8, Issue-9S, pp- 47-52		SCOPUS	Co-author
26	Dr. Priyanka Kaushal	Transversely Isotropic Magneto-Viscothermoelastic Medium with Vacuum and with and without Energy Dissipation	2018	Journal of Solid Mechanics		Vol. 10, No. 2 , pp. 416-434		SCOPUS	Co-author
27	Dr. Priyanka Kaushal	Axisymmetric distribution of thick circular plate in viscothermoelastic with mass diffusion and phase lags	2018	International Review of Pure and Applied Mathematics		Vol.14, No.2		UGC Approved	Corresponding Author

28	Dr. Priyanka Kaushal	Eigen value approach for dual phase lag micropolar porous thermoelastic circular plate with ramp type heating	2017	Multidiscipline Modeling in Materials and Structures		vol. 13, No. 4, pp 550-567		SCI	Co-author
29	Dr. Priyanka Kaushal	Axisymmetric vibration for micropolar Porous thermoelastic circular plate	2017	Int. J. of Applied Mechanics and Engineering,		vol.22, No.3, pp.583-600		SCImago (SJR)	Co-author
30	Dr. Priyanka Kaushal	Slender Beam Problem under Aerodynamic Coupling	2012	Int. Journal of Mathematical Sciences & Engineering Applications (IJMSEA)		Vol. 6 No. VI,, pp. 395 - 403		UGC Approved	Co-author
31	Dr. Priyanka Kaushal	Relevancy of Fuzzy Concept in Mathematics	2010	Int. Journal of Innovation, Management & Technology (IJIMT)		vol. 1, no. 3, pp. 312-315, 2010.		UGC Approved	Main Author

32	Dr. Sham Singh	Comparative study of solar cycle 22 to 24 in relation to solar output variability.	2012	Natural Science	2150-4091	4, 349-354	0.93	UGC	Main Author
33	Dr. Sham Singh	Effect of Solar and Interplanetary disturbances on space-weather	2012	Indian J.Sci.Res.	0976-2876	3, 121-125	Peer Reviewed	UGC	Main Author
34	Dr. Sham Singh	Characteristic features of geomagnetic storms observed during maxima of solar cycle 24	2013	International Journal of Physics and Astronomy	2051-6851	26, 1103-1110	2.99	UGC	Main Author
35	Dr. Sham Singh	Interaction of solar plasma near-earth with reference to geomagnetic storms during maxima of solar cycle 24.	2015	Indian Journal of Physics	0973-1458	89, 1227-1234	1.22	SCI/SCOPUS/UGC	Main Author

36	Dr. Sham Singh	Effect of solar influences on earth's magnetosphere and upper atmosphere	2016	Journal of Pure Applied and Industrial Physics	0976-5727	6, 190-198	4.7	UGC	Main Author
37	Dr. Sham Singh	The 27-day variation of solar plasma on earth magnetosphere	2016	International Journal of Research in Engineering and Applied Sciences.	2249-3905	6, 134-145	Peer Reviewed	UGC	Main Author
38	Dr. Sham Singh	Effect of geomagnetic storms and their association with interplanetary parameters	2016	International Journal of Research in Pure and Applied Physics.	2278 -134X	6, 1-5	Peer Reviewed	UGC	Main Author
39	Dr. Sham Singh	The Plasma Approximation	2017	Journal of Scientific Research in Science and Technology	2395-6011	3, 108-117	5.3	UGC	Main Author

40	Dr. Sham Singh	NanoInk: The Recent Technology of Nanography and Xerography	2017	International Journal of Current Multidisciplinary Studies	2455-3107	3, 568-571	4.54	UGC	Co-Author
41	Dr. Sham Singh	In Vitro Red Blood Cells Photohemolytic Studies by Antidiabetics, Antihypertensives and their Combination.	2016	International Journal of Pharmaceutical Science and Health Care	2249 – 5738	6, 40-48	3.11	UGC	Co-Author
42	Dr. Sham Singh	Effect of geomagnetic storms and their association with solar wind and IMF during solar cycle 23 and 24.	2017	International Journal of Pure and Applied Physics	0973-1776	13, 35-43	Peer Reviewed	UGC	Main Author
43	Dr. Sham Singh	Interplanetary origin of super and super greatgeomagnetic storms during 1996-2015	2017	Indian Journal of Scientific Research	0976-2876	8, 17-21	Peer Reviewed	UGC	Corresponding Author

44	Dr. Sham Singh	Effect of Geomagnetic Storms and Their Association with Solar Wind Velocity during 1996-2016	2017	IJSRSET	2395-1990	3, 456-459	5.01	UGC	Main Author
45	Dr. Sham Singh	Cosmic Ray Intensity increases during high solar activity period for the solar cycle 22 and 23	2019	Indian Journal of Physics	0973-1458	93, 139-145	1.22	SCI/SCOPUS/UGC	Main Author
46	Dr. Sandeep Kumar Khatkar	A review on mechanical and tribological properties of Graphite reinforced self-lubricating hybrid metal matrix composites		Reviews on Advanced Materials Science	1605-8127	56(1): 1-20	1.828	SCI	Main author
47	Dr. Sandeep Kumar Khatkar	"Hybrid magnesium metal matrix composites a review on reinforcement philosophy, mechanical and tribological	Accepted	Reviews on Advanced Materials Science	1605-8127	Accpeted	1.828	SCI	Main author

		characteristics							
48	Dr. Sandeep Kumar Khatkar	Recent advancements in creep resistant magnesium alloys and composites: a review	2019	Pramana Research Journal	2249-2976	9(6):631-636		UGC	Co-author
49	Dr. Sandeep Kumar Khatkar	Magnesium and its Alloy for Biomedical Applications: a Review on Reinforcement philosophies, Mechanical and Corrosive properties	2019	Pramana Research Journal	2249-2976	9(6):335-341		UGC	Co-author
50	Dr. A. Deepa	Facial Age Estimation Using SFTA And Deep Neural Network	2018	International Journal Of Engineering & Technology	2227-524X	Vol. 7,281-288	0.21	Scopus	Main&Corresponding

51	Dr. A.Deepa	A SURVEY ON HUMAN FACES AND FACTORS INVOLVED IN AGING	2019	PARIPEX INDIAN JOURNAL OF RESEARCH(2019)	2250-1991		0.565	UGC	Main&Corresponding
52	Dr. A.Deepa	INTENSIFICATION OF LEMPEL-ZIV-WELCH ALGORITHM	2019	(IJITEE)International Journal of Innovative Technology and Exploring Engineering	2278-3075	Vol.8	5.54	Scopus	Main&Corresponding
53	Dr. Ishan Choudhary	DIELECTRIC BEHAVIOR OF DRY SOIL OF DIFFERENT DISTRICTS OF HARYANA (INDIA) AT 9 GHZ	2019	International Journal of Management, Technology And Engineering	2249-7455	IX, 5734-5745	N.A	UGC	co-author
54	Dr. Sangeeta	Effect of clusterization algorithm with isospin-dependent nuclear charge radii parameterization on azimuthal angle dependence of	2019	Indian Journal of Pure and Applied Physics	ISSN: 0975-1041 (Online) ISSN: 0019-5596 (Print)	Vol: 57 Page no.: 638-642	0.58	SCI/ SCOPUS/ UGC Approved	main author and corresponding author

		elliptical flow							
55	Dr. Arvind Sharma	Propagation of SH waves in a regular nonhomogeneous monoclinic crustal layer lying over a non-homogeneous semi-infinite medium	2016	Journal of Mechanical Behaviour of Materials	2191-0243	25, 121–127	-	SCOPUS	Co-author
56	Dr. Arvind Sharma	Propagation of SH Waves in a Double Non-Homogeneous Crustal Layers of Finite Depth Lying Over an Homogeneous Half-Space	2016	Latin American Journal of Solids and Structures	1679-7825	13, 2328-2342	-	SCOPUS/	Co-author
57	Dr. Arvind Sharma	Mathematical modeling of torsional surface wave propagation in a non-homogeneous transverse isotropic elastic	2017	International Journal of Applied Mechanics and Engineering	2353-9003	22, 415	-	SCOPUS/	Co-author

		solid semi-infinite medium under a layer							
58	Dr. Arvind Sharma	Validation of RKAS Soil Dielectric Model at C and X-Band Microwave Frequencies	2018	Journal of Microwaves, Optoelectronics and Electromagnetic Applications	2179-1074	1,70,486	-	SCOPUS/	Co-author
59	Daisy Verma	A study on Sustainable product development in manufacturing industries	2020	Journal of Critical Reviews	ISSN 2394-5125	Vol. 7, Issue 19, pp. 2738-2744		Scopus	Co-author
60	Manpreet Kaur	Dynamical Study of Quadrating harvesting of prey in a Predator-Prey Model following Modified Leslie-Gower type Predation and Crowley-Martin type Functional Response	2020	International Journal of Control and Automation	2005-4297	12& 699-709	0.1	Scopus	main author

61	Manpreet Kaur	Dynamical Study of Prey-Predator-Scavenger Model with Modified Leslie-Gower Predation and Quadrating Harvesting of Predator and Scavenger	2020	Journal of Xiadin univesity	1001-2400	14	5.4	scopus	main author
62	Monika Sharma	Hydrotalcite: A novel and reusable solid catalyst for one-pot synthesis of 3,4-dihydropyrimidines and mechanistic study under solvent free conditions	2012	Journal of Molecular Catalysis A: Chemical	ISSN: 1381-1169	Vol.352, 31-37, 2012		SCI	CO-AUTHOR
63	Monika Sharma	Multi-component One-Pot Synthesis of 4-Aryl Substituted Solvent-Free Conditions Using NiO ₂ as Heterogeneous Recyclable	2013	Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci. (July–Sept 2013)	ISSN 0369-8203	(2013) 83:187-193		SCI	CO-AUTHOR

		Green Catalyst							
64	Monika Sharma	APPLICATIONS OF NANOPARTICLES AS ANTIBACTERIAL AND ANTIMICROBIAL AGENTS WITH REFERENCE TO SILVER, GOLD AND ZINC METALS	2017	WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES	ISSN 2278 – 4357	Volume 6, Issue 8, 747-764		UGC	MAIN AUTHOR
65	Monika Sharma	AN UPDATE ON THE SYNTHESIS OF DIHYDROPYRIMIDINONES USING GREEN CHEMISTRY APPROACH	2016	WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES	ISSN 2278 – 4358	Volume 5, Issue 9, 949-967		UGC	MAIN AUTHOR
66	Inderjot Kaur	THE IDEATIONAL FACET OF PLOSIVES, FRICATIVES AND AFFRICATES	2020	Research Journal of English Language and Literature (RJELAL)	ISSN:2395-2636	Vol.8., Issue 2, 63-71	6.899 2	UGC	Main Author

67	Dr.Meena Devi	PREPARATION AND CHARACTERIZATION OF BIO FUEL FROM WASTE BANANA PEEL	2016	International Journal of Engineering Applied Sciences and Technology	e- ISSN No. 2455-2143	Vol. 1(5), 62-65		UGC	MAIN AUTHOR
68	Dr.Meena Devi	Potentiometric Studies on binary complexes of catecholic compounds with organotin(IV) cations	2015	International Journal of Science and Research	ISSN (Online): 2319-7064	Vol. 4 (4),2895-2899		UGC	MAIN AUTHOR
69	Dr.Meena Devi	Speciation Studies of Dimethyltin (IV) and Trimethyltin (IV) - Carboxylates Systems	2015	International Journal of Science and Research	ISSN (Online): 2319-7064.	Vol. 4 (2),1351-1358		UGC	MAIN AUTHOR
70	Dr.Meena Devi	Interaction Of Me ₂ Sn (IV) ²⁺ And Me ₃ Sn (IV) ⁺ Cations With Catecholamines In Aqueous Media	2015	IOSR Journal of Applied Chemistry		Vol. 8(3) Ver.1		UGC	MAIN AUTHOR
71	Dr.Meena Devi	Equilibrium Studies on Interaction of	2014	International Journal of Theoretical &	ISSN No. (Print): 0975-1718 , ISSN No.	Volume 6,issue 1 , 154-163		UGC	MAIN AUTHOR

		Organotin(IV) Cations with Biologically Important Ligands		Applied Sciences	(Online): 2249-3247 ,				
72	Dr. Kiran Mishra	SYNTHESIS AND ASSESSMENT OF SOME NOVEL THIOPHENE AS POTENTIAL ANTIMICROBIAL SUBORDINATES	2015	World Journal of Pharmaceutical Research	2277– 7105	Volume 4, Issue 12, 1439-1446.	5.99	Scopus	Main Author
73	Dr. Kiran Mishra	Zinc Oxide Nanoparticles for Choosy Disastrous of Tumor Cells and Potential for Medicine Freighting Uses	2015	International Journal of Chemistry and Pharmaceutical Sciences	2321-3132	3(12): 2213–2224	3.719	UGC	Main Author
74	Dr. Joginder Singh	<i>Study Thermal Stresses in Solid Disk under heat generation subjected to variable Density.</i>	2016	Kragujevac J. Sci	1450-9636	Vol. 38 , 5-14	0.94	SCOPUS	Co-Author
75	Dr. Joginder Singh	<i>Effect of Density Variation Parameter in a Solid Disk.</i>	2016	International Journal of Structural Integrity and Life.	1451-3749	vol. 16, 143-148	0.53	SCOPUS	Co-Author
76	Dr. Joginder Singh	<i>Creep Stresses in a Rotating Disc having Variable</i>	2017	International Journal of Structural	1451-3749	vol. 18, 97-104	0.53	SCOPUS	Co-Author

		<i>Density and Mechanical Load under Steady-State Temperature</i>		Integrity and Life.					
77	Dr. Joginder Singh	<i>Two-Dimensional Deformation in a Thermoelastic Solid with Microtemperatures Subjected to an Internal Heat Source</i>	2018	International Journal of Applied Mechanics and Engineering.	1425-1655	vol. 23, 5 - 21	0.42	SCOPUS	Co-Author