

3.4.8

Bibliometrics of the publications during the year based on Citation Index in Scopus/ Web of Science/ PubMed

Sr. No.	Department	Supporting Documents
1.	Chemical Sciences	Number of Citations
2.	Physical Sciences	
3.	Mathematical Sciences	
4.	Civil Engineering	
5.	Computer Science & Engineering	
6.	Mechanical Engineering	
7.	Electrical Engineering	
8.	Electronics and Communication Engineering	
9.	Food Science & Technology	
10.	Management & Hospitality	
11.	Journalism and Mass Communication	
12.	Humanities, Languages and Cultural Studies	
13.	IKGPTU Hoshiarpur Campus	
14.	IKGPTU Amritsar Campus	
15.	IKGPTU Mohali Campus-I	
16.	IKGPTU Mohali Campus-II	

3.4.8 Bibliometrics of the publications during the last five years based on average Citation Index in Scopus/ Web of Science/PubMed

Citations Scopus 431

Citations Web of Science 356

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Citations in Scopus	Citation in Web of Science	Weblink
Chemical Sciences								
Photophysical characterization of coumarin and rhodanine derivatives as viscosity sensitive fluorescence turn-on probes	Bhanu Priya, Naresh Kumar, Roopa	Department of Chemistry	Dyes and Pigments	2023	1873-3743	4	4	https://www.sciencedirect.com/science/article/abs/pii/S0143720822006295
A xanthen-based probe with dual reaction sites enables fluorescence turn-on detection of thiophenol in an aqueous medium	Bhanu Priya, Naresh Kumar, Deepak Mishra and Roopa	Department of Chemistry	New Journal of Chemistry	2023	1369-9261	1	1	https://pubs.rsc.org/en/content/articlelanding/2023/nj/d2nj05596a
Deep eutectic solvents with ultrasonic energy as an environmentally benign and green approach for the synthesis of bithioglycolic acid derivatives	Gobind Kumar, Parvesh Singh, Gaurav Bhargava, Baljinder Singh Gill, Jaspreet Kaur Rajput, Rupesh Kumar	Department of Chemistry	Journal of Sulfur Chemistry	2023	1741-5993	0	0	https://www.tandfonline.com/doi/abs/10.1080/17415993.2023.2242994
Morphological and structural analysis of Fe/Sn bimetal system and graphene oxide–chitosan modified Fe/Sn composite - A comparative study and their mechanistic role in degradative fixation of chlorazol black and reactive blue 4 from water	Monika Thakur, Harminder Singh, Jaspreet Kaur Rajput, Rupesh Kumar	Department of Chemistry	Reaction Kinetics, Mechanisms & Catalysis	2023	1878-5204	1	1	https://link.springer.com/article/10.1007/s11144-023-02366-3
A new entrant in ketene family: Generation of 2-(3-Oxo-allyl)-isoindole-1,3-dione and their [4+2] cycloadditions with 1,3-diazabuta-1,3-dienes	Rayees Ahmad Naikoo, Rashmi Sharma, Rupesh Kumar, Gaurav Bhargava	Department of Chemistry	Asian Journal of Organic Chemistry	2023	2193-5815	0	0	https://www.sciencedirect.com/org/science/article/abs/pii/S2193580723000089
Trio role of deep eutectic solvents in the green synthesis of 1,4-dihydropyridine synthesis via Hantzsch reaction	Gobind Kumar, Gaurav Bhargava, Rupesh Kumar	Department of Chemistry	Polycyclic Aromatic Compounds	2022	1040-6638	2	2	https://www.sciencedirect.com/org/science/article/abs/pii/S1040663823001343#:~:text=DEs%20have%20played%20a%20trio,products%2C%20and%20short%20reaction%20time.
Eosin Y Photocatalyzed Access to Biginelli Reaction Using Primary Alcohols via Domino Multicomponent Cascade: An Approach Towards Sustainable Synthesis of 3,4-dihydropyrimidin-2(1H)-ones	Gobind Kumar, Yogesh Kumar, Gaurav Bhargava, Rupesh Kumar	Department of Chemistry	Journal of Chemical Sciences	2022	0973-7103	7	7	https://link.springer.com/article/10.1007/s12039-022-02039-z
Preparation of 70Sr–Zr–HAP.xZn(30-x)Si composites by microwave and conventional processing and characterization.	Ravinder Kumar Chadha kanchan L.Singh; Chetan Sharma Anirudh P.Singh; Vandana Naithani,	Department of Chemistry	Material Chemistry and Physics	2023	127415	0	0	https://www.sciencedirect.com/science/article/abs/pii/S0254058423001232

Ecotope-Based Diversity Monitoring of Wetland Using Infused Machine Learning Technique	Vipan Kumar Verma, Koyel Sur, Chandar Prakash	Department of Chemistry	Water Conservation Science & Engineering	2023	2364-5687	0	0	https://link.springer.com/article/10.1007/s41101-023-00212-0#:~:text=Ecotopes%20in%20wetlands%20can%20be,Lehmann%20et%20al.
Oxa-Michael addition reactions of 3-hydroxy-2-azetidiones: synthesis of 1,3,4-trisubstituted-2-azetidiones	Priyanka Sharma, Maninderjeet Kaur Mann, Gaurav Bhargava,	Department of Chemistry	Letter in Organic Chemistry	2022	1570-1786	0	0	https://www.eurekaselect.com/article/116098
Solvent-free mechanochemical synthesis of bithioglycolic acid derivatives: an efficient and versatile strategy for carbon-sulfur bond formation	Rayees Ahmad Naikoo, Parvesh Singh, Rupesh Kumar, Gaurav Bhargava	Department of Chemistry	Journal of Sulfur Chemistry	2022	1741-5993	2	2	https://www.sciencedirect.com/org/science/article/pii/S174159932000447
Recent Developments in the Synthesis of Bicyclic Condensed Pyrimidinones	Rayees Ahmad Naikoo, Vipan Kumar, Rupesh Kumar, Gaurav Bhargava	Department of Chemistry	Current Organic Chemistry	2022	1385-2728	0	0	https://benthamscience.com/public/article/120139
Eosin Y Photocatalyzed Access to Biginelli Reaction Using Primary Alcohols via Domino Multicomponent Cascade: An Approach Towards Sustainable Synthesis of 3,4-dihydropyrimidin-2(1H)-ones	Gobind Kumar, Yogesh Kumar, Rupesh Kumar, Gaurav Bhargava	Department of Chemistry	Journal of Chemical Sciences	2022	0974-3626	7	7	https://link.springer.com/article/10.1007/s12039-022-02039-z
Facially Selective Oxo-Diels-Alder Cycloadditions of α -Dienyl- β -Lactam: An Entry to Pyrano Tethered β -Lactams Bifunctional Hybrids	Maninderjeet Kaur Mann, Rupesh Kumar and Gaurav Bhargava	Department of Chemistry	Oriental Journal of Chemistry	2022	0970-020X	0	0	https://www.proquest.com/openview/8cc0646103a358028b878ec55f6c3b6c/1?pq-origsite=gscholar&cbl=2050705
Editorial: Protozoal infections: Treatment and challenges	Vipan Kumar, Gaurav Bhargava,	Department of Chemistry	Front. Cell. Infect. Microbiol	2022	2235-2988			https://pubmed.ncbi.nlm.nih.gov/36118046/
A new entrant in ketene family: Generation of 2-(3-Oxo-allyl)-isoindole-1,3-dione and their [4+2] cycloadditions with 1,3-diazabuta-1,3-dienes	Rayees Ahmad Naikoo, Rashmi Sharma, Rupesh Kumar, Gaurav Bhargava	Department of Chemistry	Asian J. Org Chem	2023	2193-5807	0	0	https://www.sciencedirect.com/org/science/article/abs/pii/S2193580723000089
Trio role of deep eutectic solvents in the green synthesis of 1,4-dihydropyridine synthesis via Hantzsch reaction	Gobind Kumar, Gaurav Bhargava and Rupesh Kumar	Department of Chemistry	Polycyclic Aromatic Compounds,	2023	1040-6638	2	2	https://www.sciencedirect.com/org/science/article/abs/pii/S1040663823001343#:~:text=DESS%20have%20played%20a%20trio,products%2C%20and%20short%20reaction%20time.
Deep eutectic solvents with ultrasonic energy as an environmentally benign and green approach for the synthesis of bithioglycolic acid derivatives	Gobind Kumar, Parvesh Singh, Gaurav Bhargava, Baljinder Singh Gill, Jaspreet Kaur Rajput, Rupesh Kumar	Department of Chemistry	Journal of Sulphur Chemistry	2023	1741-5993	0	0	https://www.tandfonline.com/doi/abs/10.1080/17415993.2023.2242994
Highly Regio-/Chemoselective 6-exo-dig Iodo/Bromo Cyclizations of functionalized 5-amino propargyl Pyrimidinones: An Efficient Synthesis of Functionalized Pteridines	Rayees Ahmad, Rashmi Sharma, Rupesh Kumar, Gaurav Bhargava,	Department of Chemistry	RSC Advances	2023	2046-2069	0	0	https://pubs.rsc.org/en/content/article/landing/2023/ra/d3ra05651a

A computational study on the structural prediction of InHA inhibitors	Simranpreet Kaur Wahan, Shelly Pathania, Gaurav Bhargava, Pooja Chawla	Department of Chemistry	Polycyclic Aromatic Compounds	2023	1040-6638	0	0	https://www.tandfonline.com/doi/full/10.1080/10406638.2023.2254901
Diastereo- and π -facially selective Hetero-Diels Alder cycloaddition reactions of 3-butadienyl-2-azetidiones with diazo-dienophiles	Maninderjeet Kaur Maan, Rashmi Sharma, Rupesh Kumar, Pooja Chawla, Gaurav Bhargava	Department of Chemistry	Polycyclic Aromatic Compounds	2023	1040-6638	0	0	https://www.tandfonline.com/doi/full/10.1080/10406638.2023.2257844?srce
A facile, mechanochemical, solvent and catalyst-free synthesis of functionalized 4-thiazolidinones	Simranpreet K. Wahan, Pooja A. Chawla, Parvesh Singh, Rupesh Kumar, Gaurav Bhargava	Department of Chemistry	Synopen	2023	2509-9396	0	0	https://www.thieme-connect.com/products/ejournals/pdf/10.1055/a-2190-9678.pdf
Recent developments in Transformation of 3-Amino-2-Azetidinones	Priyanka Sharma, Rashmi Sharma, Vipin Kumar, Parvesh Singh, Gaurav Bhargava	Department of Chemistry	Current Organic Chemistry	2023	2509-9396	0	0	https://www.eurekaselect.com/article/135568
An eco-friendly, sustainable, and greener approach to the synthesis of Dihydroquinazolin-4(1H)-ones using deep eutectic solvent	Gobind Kumar, Parvesh Singh, Gaurav Bhargava, Neha Manhas, Jaspreet Kaur Rajput, Rupesh Kumar	Department of Chemistry	Journal of Heterocyclic chemistry	2023	0022-152X	0	0	https://onlinelibrary.wiley.com/doi/abs/10.1002/jhet.4764
Chlorophyll: A greener catalyst in Synthetic Transformations	Simranpreet K. Wahan, Gaurav Bhargava Pooja A. Chawla,	Department of Chemistry	Synopen	2023	2509-9396	0	0	https://www.thieme-connect.de/products/ejournals/pdf/10.1055/s-0042-1751515.pdf
Mechanistic Insights into Photocatalytic Oxidation of Aromatic Alcohols for valuable phototransformations: A Critical Review	Gobind Kumar, Gaurav Bhargava, Rupesh Kumar	Department of Chemistry	Inorganica Chimica Acta	2023	0020-1693	0	0	https://mjl.clarivate.com/search-results?issn=0020-1693&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal
Ultrasound assisted synthesis of nitrogen and oxygen containing heterocycles	Simranpreet Kaur Wahan, Gaurav Bhargava, Pooja Chawla	Department of Chemistry	Current Organic Chemistry	2023	1385-2728	0	0	https://benthamscience.com/public/article/134415
Physical Sciences								
Ab initio study of nitrogen and boron-doped dimers.)	Sandeep Kaur, Hitesh Sharma, V. K. Jindal, Vladimir Bubanja & Isha Mudahar	Department of Physical Sciences	Molecular Physics	2022	1362-3028	5	1	https://www.tandfonline.com/doi/abs/10.1080/00268976.2022.2100294
Hydrogen production from water using MoX ₂ (X:S,Se) heterostructures as photocatalysts,	N.K. Sharma , A. Kapila , Vivek, H Sharma	Department of Physical Sciences	Material today Sustainability	2022	2589-2347	7	0	https://www.sciencedirect.com/science/article/abs/pii/S258923472001403
Understanding the Interaction Between Fullerene and Graphene Nanoribbons Using Density Functional Theory,	Sandeep Kaur, Hitesh Sharma and Isha Mudahar	Department of Physical Sciences	ECS Trans	2022	1938-5862	2	0	https://iopscience.iop.org/article/10.1149/10701.19863ecst/meta
Electronic bandstructure modulation of MoX ₂ /ZnO(X:S,Se) heterostructure by applying external electric field,	NehaKapila Sharma, Sandhyarani Sahoo, Mousam Charan Sahu, Sameer Kumar Mallik, AnjanKumar Jena, Hitesh Sharma, SanjeevK. Gupta , Rajeev Ahuja, Satyaprakash Sahoo	Department of Physical Sciences	Surfaces and Interfaces	2022	2468-0230	10	10	https://www.sciencedirect.com/science/article/abs/pii/S2468023022000980
Carbon Nanotubes with periodic Vacancy defects to Phenine Nanotubes: A DFT Study,	Amrisha Sharma a, Isha Mudahar b, Hitesh Sharma c	Department of Physical Sciences	Computational and Theoretical Chemistry	2022	2210-271X	2	2	https://www.sciencedirect.com/science/article/abs/pii/S2210271X2201050
Structural and electronic properties of double perovskite ruthenates; A ₂ GdRuO ₆ (where A = Ba, Sr),	Sahil Dani a, A. Arya b, Hitesh Sharma c, Rakesh Kumar a, Navdeep Goyal d, Ravi Kumar e, Rabia Pandit c	Department of Physical Sciences	Journal of Alloys and Compounds	2022	0925-8388	6	4	https://www.sciencedirect.com/science/article/abs/pii/S0925838822015687

Understanding stability of FeTiVNi and CoFeVNi high entropy alloys using Density functional theory.	Payal .1, Hitesh Sharma2 and Isha Mudahar3	Department of Physical Sciences	ECS Trans	2022	1938-5862	6	0	https://iopscience.iop.org/article/10.1149/10701.20005ecst
Evolution of the Valence state of Ru metal ions in correlation with the structural and electronic properties of double perovskite ruthenates: A ₂ SmRuO ₆ (where A = Ba & Sr)	Sahil Dani, Rabia Pandit, Hitesh Sharma, A. Arya, R. J. Choudhary, Navdeep Goyal, Jarnail Singh and Rakesh Kumar	Department of Physical Sciences	Journal of Materials Chemistry C	2023	2050-7526	0	2	https://pubs.rsc.org/en/content/articlelanding/2023/tc/d2tc05072b
Theroretical investigation of substitutionally doped symmetrical finite phenine nanotubes	Amrsh Sharma1, Hitesh Sharma2 and Isha Mudahar1	Department of Physical Sciences	Physica Scripta	2023	0031-8949	0	0	https://iopscience.iop.org/article/10.1088/1402-4896/acdda6
Proton and neutron exchange as a prelude to fusion at near-barrier energies	J. E. Johnstone, Varinderjit Singh, R. Giri, S. Hudan, J. Vadas, R. T. deSouza, D. Ackermann, A. Chbihi, Q. Hourdille, A. Abbott, C. Balhoff, A. Hannaman, A. B. McIntosh, M. Sorensen, Z. Tobin, A. Wakhle, S. J. Yennello, M. A. Famiano, K. W. Brown, C. Santamaria, J. Lubian, H. O. Soler, and B. V. Carlson	Department of Physical Sciences	Phys. Rev. C	2022	2469-9985	4	3	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.106.L011603
Statistical model calculation of the compound nuclear fission timescale in fusion-fission reactions	Rupinder Kaur, Maninder Kaur, and Santanu Pal	Department of Physical Sciences	Phys. Rev. C	2022	2469-9985	0	0	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.106.024604
Investigating 6,7Li-induced reactions on 235,238U through a collective clusterization approach	Rupinder Kaur, BirBikram Singh, Maninder Kaur, Manoj K. Sharma, and Pushendra P. Singh	Department of Physical Sciences	Phys. Rev. C	2022	2469-9985	0	0	https://journals.aps.org/prc/abstract/10.1103/PhysRevC.108.034611
Mathematical Sciences								
An efficient Adaptive step-size hybrid block method for integrating $w''=f(t,w,w')$ directly.	Rajat Singla, Gurjinder Singh, V. Kanwar, Higinio Ramos	Mathematical Sciences	Computational and Applied Mathematics	2023	1807-0302	1	1	https://www.sciencedirect.com/science/article/pii/S0377042722004368
On a generalized basic series and Rogers Ramanujan type identities.	P.Sonik, D. Ranganatha, M.Goyal	Mathematical Sciences	Contribution to Discrete Mathematics	2023	17150868	1	1	https://cdm.ualgary.ca/article/view/73025
Space time fractional Ito system with variable coefficients: explicit solution, conservation laws and numerical approximation	Kour, B., Inc, M., Arora, A.	Mathematical Sciences	Multidiscipline Modeling in Materials and Structure	2023	15736105	0	0	https://www.emerald.com/insight/content/doi/10.1108/MMMS-05-2022-0097/full/html
Civil engineering								
Stabilizing black cotton soil in subgrade with municipal solid waste incineration ash for lowering greenhouse gas emission: A review	Singh Randhawa karanbir, Rajiv Chauhan	Civil Engineering	Materials Today Proceedings	2022	2214-7853	6	0	https://www.sciencedirect.com/science/article/abs/pii/S221478532105464X
Mitigation of liquefaction-induced hazard using geosynthetics: an experimental study using cyclic triaxial ad large -scale shake table tests	Rajiv Chauhan,Satyendra mittal, Vaibhav sharma	Civil Engineering	Innovative Infrastructure Solutiouns	2022	2364-4176	0	0	https://link.springer.com/article/10.1007/s41062-022-00941-6
Computer Science & Engineering								

A Survey on Malware Classification Using Machine Learning and Deep Learning	Manish Goyal and Raman Kumar	CSE	International Journal of Computer Networks and Applications, (IJCNA)	2022	2395-0455	3	0	https://www.ijcna.org/Manuscripts/IJCNA-2021-O-56.pdf
DSIT: A DYNAMIC LIGHTWEIGHT CRYPTOGRAPHY ALGORITHM FOR SECURING IMAGE IN IOT COMMUNICATION	Navdeep Lata and Raman Kumar	CSE	International Journal of Image and Graphic	2022	1793-6756	2	0	https://www.worldscientific.com/doi/10.1142/S0219467823500353
NMTBR: Normalized Multilevel Trust Based Routing for Security Against Packet Drop Attacks in MANETs	Nitin Khanna, Sandeep Singh, Anshu Bhasin and Kamal Malik	CSE	Ad Hoc & Sensor Wireless Networks	2022	1552-0633	0	1	https://web.p.ebscohost.com/abstract?site=ehost&scope=site&jml=15519899&AN=153860247&h=9%2bS4joN3%2bm3xitYPApiqJmDjltzCXgiJ%2b3aJNXDwaitDwxCI762D3pjX%2fBUoGxeBzO7yq6UIVe1PgXNUFLh%2bHQ%3d%3d&crI=c&resultLocal=ErrCrINoResults&resultNs=Ehost&crIhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authype%3dcrawler%26jml%3d15519899%26AN%3d153860247
Integration of Multi-Class Service Paradigm With Generic Trust Mechanism for Innovation, Customization and Adaptability in MANETs	Sandeep Singh, Anshu Bhasin, Nitin Khanna	CSE	International Journal of Information Retrieval Research (IJIRR). IGI GLOBAL	2022	2155-6377	0	0	https://www.igi-global.com/article/integration-of-multi-class-service-paradigm-with-generic-trust-mechanism-for-innovation-customization-and-adaptability-in-manets/300290
Multi-Level Enhanced Color Image Compression Algorithm using SVD & DCT	Garima Garg and Raman Kumar	CSE	International Journal on Recent and Innovation Trends in Computing and Communication	2023	2321-8169	4	0	https://ijritcc.org/index.php/ijritcc/article/view/5817
Mechanical Engineering								
Effect of post-heat treatment on the microstructural, mechanical, and bioactivity behavior of the microwave-assisted alumina-reinforced hydroxyapatite cladding	Pradeep Singh, Hitesh Vasudev , Amit Bansal	Mechanical Engineering	Journal of Process Mechanical Engineering	2022	20413009	10	8	https://journals.sagepub.com/doi/abs/10.1177/09544089221116168?journalCode=piea
Drug eluting titanium implants for localised drug delivery	Maninder Singh, Amoljit Singh Gill, Parneet Kaur Deol, Anupam Agrawal, Sarabjeet Singh Sidhu	Mechanical Engineering	Journal of Materials Research	2022	0884-2914 / 2044-5326	9	9	https://link.springer.com/article/10.1557/s43578-022-00609-y
Experimental Investigation and Performance Optimization during Machining of Hastelloy C-276 Using Green Lubricants	Gurpreet Singh, Vivek Aggarwal, Sehijpal Singh, Balkar Singh, Shubham Sharma, Jujhar Singh, Changhe Li, R. A. Ilyas, and Abdullah Mohamed	Mechanical Engineering	Materials	2022	1996-1944	14	14	https://www.mdpi.com/1996-1944/15/15/5451
Sustainable machining of Hastelloy C-276 enabling minimum quantity lubrication of environmentally compatible lubricants	Gurpreet Singh, Vivek Aggarwal, Sehijpal Singh, and Balkar Singh	Mechanical Engineering	Journal of Cleaner Production	2022	0959-6526	12	12	https://www.sciencedirect.com/science/article/abs/pii/S0959652622035004

A State-of-the-Art Review on the Misalignment, Failure Modes and Its Detection Methods for Bearings	Rajeev Kumar, Manpreet Singh, Siddique Khan, Jujhar Singh, Shubham Sharma, Harish Kumar, J. S. Chohan, and Vivek Aggarwal	Mechanical Engineering	MAPAN-Journal of Metrology Society of India	2022	0970-3950	4	4	https://link.springer.com/article/10.1007/s12647-022-00605-x
Dry sliding and slurry abrasion behaviour of wire arc additive manufacturing – Cold metal transfer (WAAM-CMT) clad Inconel 625 on EN8 steel”, Tribology International, Elsevier	Hrishav Raushan, Anuj Bansal, Vikrant Singh, Anil Kumar Singla, Jonny Singla, Ankita Omer, Jagtar Singh, Deepak Kumar Goyal, Navneet Khanna, Ranbir Singh Rooprai	Mechanical Engineering	Tribology International	2023	0301-679X	16	10	https://www.sciencedirect.com/science/article/abs/pii/S0301679X22007472
Investigations on erosion performance of carbon fiber–epoxy-based composite adhesion on 16Cr5Ni steel	Mithlesh Sharma, Deepak Kumar Goyal, Anuj Bansal, Anil Kumar Singla, Neel Kanth Grover, Munish Kumar Gupta and Navneet Khanna	Mechanical Engineering	Journal of Process Mechanical Engineering	2023	0954-4089	2	2	https://journals.sagepub.com/doi/abs/10.1177/09544089221150703?journalCode=piea
Performance investigations for sustainability assessment of Hastelloy C-276 under different machining environments	Gurpreet Singh, Vivek Aggarwal, Sehijpal Singh, Balkar Singh, Shubham Sharma, Jujhar Singh, Changhe Li, Grzegorz Królczyk, Abhinav Kumar, and Sayed M. Eldin	Mechanical Engineering	Heliyon	2023	2405-8440	12	12	https://www.sciencedirect.com/science/article/pii/S2405844023011404
Microwave Butt Joining of Stainless Steel (SS-316L) With an SS-316L Powder. Transactions of the Indian Institute of Metals	DS Sahota, Amit Bansal, and Vinod Kumar Verma	Mechanical Engineering	Transactions of the Indian Institute of Metals	2023	9722815	1	1	https://link.springer.com/article/10.1007/s12666-023-03009-w
Development, characterization, and cavitation erosion analysis of high velocity oxy-fuel (HVOF) sprayed TiC and (70Cu-30Ni)-Cr based composite coatings on SS316 steel	Rampal, Anil Kumar Singla, Anuj Bansal, Vikrant Singh, Navneet Khanna, Deepak Kumar Goyal, Jonny Singla, Satish Tailor	Mechanical Engineering	Tribology International	2023	0301-679X	6	6	https://ouci.dntb.gov.ua/en/works/7X2JpM0/
Electrical Engineering								
Improved dynamic performance of permanent magnet synchronous generator-based grid connected wind energy system	Preeti Rani, Ved Parkash Arora & Naveen Kumar Sharma	Department of Electrical Engineering , IKGPTU	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2021	1556-7036	4	3	https://www.tandfonline.com/doi/full/10.1080/15567036.2021.2022814
Modeling and sensitivity analysis of grid-connected hybrid green microgrid system,	Sumit Sharma, Yog Raj Sood, Naveen Kumar Sharma, Mohit Bajaj, Hossam M. Zawbaa, Rania A. Turky, Salah Kamel	Department of Electrical Engineering , IKGPTU	Ain Shams Engineering Journal	2022	2090-4479	12	8	https://www.sciencedirect.com/science/article/pii/S2090447921004573
A Topological Advancement Review of Magnetically Coupled Impedance Source Network Configurations	Arvind Yadav, Subhash Chandra, Mohit Bajaj, Naveen Kumar Sharma, Emad M. Ahmed, and Salah Kamel	Department of Electrical Engineering , IKGPTU	Sustainability	2022	2071-1050	10	8	https://www.mdpi.com/2071-1050/14/5/3123#:~:text=Magnetically%20coupled%20impedance%20source%20networks,of%20conventional%20voltage%20source%20inverters.
Hybrid Local-Global Optimum Search Using Particle Swarm Gravitation Search Algorithm (HLGOS-PSGSA) for Waveguide Selection	Simarpreet Kaur, Mohit Srivastava, Naveen Kumar Sharma, Kamaljit Singh Bhatia, Frie Ayalew Yimam, Harsimrat Kaur, Mohit Bajaj	Department of Electrical Engineering , IKGPTU	IEEE Access	2021	2169-3536	7	5	https://ieeexplore.ieee.org/document/9535484
Economic evaluation of a Hybrid Renewable Energy system (HRES) using Hybrid Optimization Model for Electric Renewable (HOMER) software-A case study of rural India	Kamal Kant Sharma, Akhil Gupta, Raman Kumar, JS Chohan, Shubham Sharma, J Singh, N Khalilpoor, A Issakhov, Somnath Chattopadhyaya, and SP Dwivedi	Department of Electrical Engineering , IKGPTU	International Journal of Low-Carbon Technologies	2021	1748-1325	8	7	https://academic.oup.com/ijlct/article/16/3/814/6141514

Power quality evaluation of photovoltaic grid interfaced cascaded H-bridge nine-level multilevel inverter systems using D-STATCOM and UPQC	Akhil Gupta	Department of Electrical Engineering , IKGPTU	Energy	2021	0360-5442	12	8	https://www.sciencedirect.com/science/article/abs/pii/S0360544221019551
Power quality and transient analysis for a utility-tied interfaced distributed hybrid wind-hydro controls renewable energy generation system using generic and multiband power system stabilizers	Kamal Kant Sharma, Akhil Gupta, Gagandeep Kaur, Raman Kumar, Jasgurpreet Singh Chohan, Shubham Sharma, Jujhar Singh, Nima Khalilpoor, and Alibek Issakhov	Department of Electrical Engineering , IKGPTU	Energy Reports	2021	2352-4847	8	5	https://www.sciencedirect.com/science/article/pii/S2352484721006338
Management of Cattle Dung and Novel Bioelectricity Generation Using Microbial Fuel Cells: An Ingenious Experimental Approach	Gagandeep Kaur, Yadwinder Singh Brar, Jaspreet Kaur, Akhil Gupta, Kamal Kant Sharma, Jasgurpreet Singh Chohan, Raman Kumar, Shubham Sharma, Somnath Chattopadhyaya, Shashi, Prakash Dwivedi, Alibek Issakhov, and Nima Khalilpoor	Department of Electrical Engineering , IKGPTU	International Journal of Chemical Engineering	2021	1687-8078	6	4	https://www.hindawi.com/journals/ijce/2021/5536221/
Coupled field magnetostatic analysis for free buckling in double layer helical winding of a distribution transformer	V Rehalia, Deepika Bhalla, and G. Walia	Department of Electrical Engineering , IKGPTU	International Journal of Perfromability Engineering	2022	0973-1318	4	3	https://www.ijpe-online.com/EN/10.23940/ijpe.22.02.p2.7991
Improvements in deviation settlement mechanism of Indian electricity grid system through demand response management	B Koul, K Singh and Yadwinder Singh Brar	Department of Electrical Engineering , IKGPTU	International journal of Emerging electric power systems	2022	1553-779X	3	2	https://www.degruyter.com/document/doi/10.1515/ijeeps-2021-0241/html?lang=en
Robust and comfortable day-ahead demand side management of residential, industrial and commercial consumers for demand normalization	B Koul, K Singh and Yadwinder Singh Brar	Department of Electrical Engineering , IKGPTU	Electric power components and systems	2022	1532-5016	7	3	https://www.tandfonline.com/doi/abs/10.1080/15325008.2022.2135637
Real-time multi-objective solar-thermal power dispatch using different photovoltaic materials	S. Kaur, Yadwinder Singh Brar, and JS Dhillon	Department of Electrical Engineering , IKGPTU	Renewable energy focus	2022	1755-0084	10	4	https://www.sciencedirect.com/science/article/abs/pii/S1755008422000709
Multi-objective real-time integrated solar-wind-thermal power dispatch by using meta-heuristic technique	S. Kaur, Yadwinder Singh Brar, and JS Dhillon	Department of Electrical Engineering , IKGPTU	AIMS Energy	2022	2333-8326	5	3	https://www.aimspress.com/article/doi/10.3934/energy.2022043
Electronics and Communication Engineering								
Impact of Scintillation Effect on Clear Weather and Fog Conditions using MDM-WDM Modulation Technique	Anuranjana1*, Sanmukh Kaur2, Rakesh Goyal3	ECE	Journal of Physics: Conference Series	2023	1742-6588	0	0	
Improved metaheuristic based cluster scheduling for unmanned aerial vehicles	Palvinder Singh Mann, Shailesh D. Panchal, Satvir Singh	ECE	Wireless personal Communication	2023	0929-6212	0	0	
Food Science & Technology								
Adverse effects of proton pump inhibitors (PPIs) on the renal system using data mining algorithms (DMAs)	Jain Devanshi; Sharma Gazal; KumarAnoop	Department of Food Science and Technology	<i>EXPERT OPINION ON DRUG SAFETY</i>	2023	1474-0338	0	1	https://www.tandfonline.com/doi/abs/10.1080/14740338.2023.2189698
Artificial Intelligence (AI) Based Smart Agriculture ForSustainable Development	Gurwinder Kaur, Barinderjit Singh*, Sanjeev Bansal, Anil Kumar Angrish	Department of Food Science and Technology	The Management Accountants	2022	9723528	0	0	https://icmai-rnj.in/index.php/maj/article/view/170134

Combination Of Multispectral And Machine Learning Approach For Identifying Honey Adulteration	Barinderjit Singh*, Deepayan Padhy, Selva Ganapathy M, Yashi Srivastava, N. Lenin Rakesh, Gurwinder Kaur, D R K Saikanth	Department of Food Science and Technology	IJFANS International Journal of Food and Nutritional Sciences	2022	2320 7876	0	0	https://ijfans.org/uploads/paper/0058b4a41974b028334b3bf5125bb07b.pdf
Jot And Machine Learning Based Effective Plant Disease Classification And Detection For Agricultural Applications	Kusuma Praveen Kumar*, Barinderjit Singh*, Malini K V, Arti Ranjan, Shailejkumar D Bonde, Sandeep Rout, Firos A	Department of Food Science and Technology	IJFANS International Journal of Food and Nutritional Sciences	2022	2320 7876	0	0	https://www.ijfans.org/uploads/paper/a5a8f18227b5f06ea724cbad11605e7f.pdf
A CROSS-SECTIONAL OBSERVATIONAL STUDY TO ANALYSE PRESCRIPTION PATTERN OF PROTON PUMP INHIBITORS IN A TERTIARY CARE TEACHING HOSPITAL	Mehtab Singh , Shabir Sidhu	Department of Food Science and Technology	International Journal of Pharmaceutical Sciences and Drug Research	2022	0975-248X			http://ijpsdr.com/index.php/ijpsdr/article/view/4958
Management & Hospitality								
Up in the air! Airline passenger's brand experience and its impact on brand satisfaction mediated by brand love	Harmeen Soch & Harleen Pabla	Management & Hospitality	Journal of Air Transport Management	2023	1873-2089	1	0	https://www.sciencedirect.com/science/article/abs/pii/S096969722001648
Far More Than Just Flying! Role of Airline Brand Experience in Shaping Brand Satisfaction and Brand Loyalty	Harmeen Soch & Harleen Pabla	Management & Hospitality	International Journal of Internet Marketing and Advertising	2023	1741-8100	0	0	https://www.researchhub.com/paper/4615124/far-more-than-just-flying-role-of-airline-brand-experience-in-shaping-brand-satisfaction-and-brand-loyalty
Sentimental Herding in Stock Market: Evidence from India	Naina and Kapil Gupta	Management & Hospitality	Vision: The Journal of Business Perspectives	2022	ISSN: 0972-2629; Online ISSN: 2249-5304	0	0	https://journals.sagepub.com/doi/abs/10.1177/09722629221133239
FinTech: A Revolution in Financial Access and Financial Usage	Kajal Kiran, Dr. Mandeep Kaur, Dr. Gunjan	Management & Hospitality	Bank Quest: The journal of Indian Institute of Banking and Finance	2022	ISSN 0019-4921	0	0	https://www.iibf.org.in/documents/BankQuest/july-sept2022/3.%20Fintech%20-%20A%20revolution%20in%20Fincial%20Access%20and%20Fincial%20Usage%20-%20Kajal%20Kiran,%20Dr.%20Mandeep%20Kaur%20and%20Dr%20Gunjan.pdf
Differential Effect of Demographics on Employees' Perception towards CSR: Empirical Evidences from Indian Banking	Pooja Mehta and Harleen Kaur	Management & Hospitality	Pacific Business Review International	2023	0974-438X	0	0	http://www.pbr.co.in/2023/2023-month/May/5.pdf
Direct and Mediating Effects of Work Engagement on Organizational Commitment – A Conceptual Framework	Pooja Mehta and Deepali Soni	Management & Hospitality	International Journal of Business Excellence	2023	1756-0055	0	0	https://www.inderscienceonline.com/doi/abs/10.1504/IJBEX.2023.130784
Forecasting annual natural gas consumption in USA: Application of machine learning techniques- ANN and SVM	Singh, Sanjeet, Bansal, Pooja, Hoson, Mosharrof and Bansal Sanjeev K.(2023)	Management & Hospitality	Resources Policy, Volume 80, 2023,103159	2023	0301-4207	13	0	https://www.sciencedirect.com/science/article/abs/pii/S030142072200602X
ਗੁਰਮਤਿ ਦੀ ਵਣਜ ਦ੍ਰਿਸ਼ਟੀ ਅਤੇ ਸੇਧ	Angrish, Dr.Anil, K And Bansal, Sanjeev K.(2022),	Management & Hospitality	Guru Teg Bahadur Journal of Religious Studies , Volume: VIII Issue: II Pp.217-222	2022	2454-8995	0	0	https://www.researchgate.net/publication/365979073_guramati_divanaja_drisati_ate_sedha_SRI_GURU_TEG_BAHADUR_JOURNAL_OF_RELIGIOUS_STUDIES-VolVIIIIssue_II_Sep2022UGC_CARE_Listed_ISSN_2454-8995

Employee engagement & its impacts on the automobile industry, particularly in Punjab, India	Dr.Rajpreet Kaur & Bindu	Management & Hospitality	Madhya Bharti	2023	0974-0066	0	0	
Longitudinal effects of high-performance work practices on job performance Via person-job fit.	Dr.Rajpreet Kaur & Harleen Kaur	Management & Hospitality	The Bottom Line	2023	0888-045X	2	1	https://www.emerald.com/insight/content/doi/10.1108/BL-02-2022-0030/full/html#:~:text=This%20study%20results%20substantiated%20HPWPs.as%20being%20a%20good%20fit.
Journalism and Mass Communication								
COMMUNICATION PATTERNS AND TECHNOLOGIES FOR THE PRISONERS IN JAILS IN INDIA	Dr. Ekta Mahajan	Journalism & mass Communication	Junekhyat	Aug. 2022	22784632	0	0	https://www.researchgate.net/publication/362468658_COMMUNICATION_PATTERNS_AND_TECHNOLOGIES_FOR_THE_PRISONERS_IN_JAILS_IN_INDIA
HLCS								
Dr Harchand Singh Bedi Di Itihas Drishti	Sarabjit Singh	Department of Humanities Languages & Cultural Studies, I.K Gujral Punjab Technical University, Main Campus, Kapurthala	Shabad	2022	2278-5167	0	0	
Vidha Shastar Te Rajnish Bahadar Da Vidha Chintan	Sarabjit Singh	Department of Humanities Languages & Cultural Studies, I.K Gujral Punjab Technical University, Main Campus, Kapurthala	Pravachan	2022	2231-6930	0	0	
Path, Sahit Path Te Pathatamakta	Sarabjit Singh	Department of Humanities Languages & Cultural Studies, I.K Gujral Punjab Technical University, Main Campus, Kapurthala	Sanvad	2022	2395-1273	0	0	
Sri Guru Angad Dev Ji: Mudhle Jeevan Sarot	Sarabjit Singh	Department of Humanities Languages & Cultural Studies, I.K Gujral Punjab Technical University, Main Campus, Kapurthala	GURU TEG BAHADUR JOURNAL OF RELIGIOUS STUDIES	2022	2454-8955	0	0	
Hoshiarpur Campus								

Progressive use of nanocomposite hydrogels materials for regeneration of damaged cartilage and their tribological mechanical properties	Prem Sagar, Gitesh Kumar, Amit Handa	Mech. Engg.	Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems	2023	23977922	0	0	https://journals.sagepub.com/doi/abs/10.1177/23977914231151487
Application of Taguchi design in optimization of performance and emissions characteristics of n-butanol/diesel/biogas under dual fuel mode	Deepam Goyal, Tarun Goyal, Sunil Kumar Mahla, Geetesh Goga, Amit Dhir, Dhinesh Balasubramanian, Anh Tuan Hoang, Makatar Wae-Hayee, JS Femilda Josephin, Ankit Sonthalia, Edwin Geo Varuvel, Kathirvel Brindhadevi	Mech. Engg.	Fuel, science direct	2023	0016-2361	15	15	https://www.sciencedirect.com/science/article/abs/pii/S0016236122040704
Correlation between the Mechanical and Tribological Properties of Rutile Reinforced LM27 Alloy Composite	Pardeep Kumar Nagpal, Suresh Kumar, Jagmohan Datt Sharma, Sunil Kumar Mahla, Sachin Salunkhe, Hussein Mohamed Abdelmoneam Hussein	Mech. Engg.	Lubricants	2023	2075-4442	0	0	https://www.mdpi.com/2075-4442/10/10/251
Performance and exhaust emissions analysis of a diesel engine running on diesel/diethyl ether/biogas as a green fuel	Sunil Kumar Mahla, Seyed Mohammad Safieddin Ardebili, Masoud Rabeti, Geetesh Goga, Amit Dhir, Himanshu Sharma	Mech. Engg.	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2022	1556-7230	0	0	https://www.tandfonline.com/doi/abs/10.1080/15567036.2022.2133194
An Efficient Model for Facial Expression Recognition with Music Recommendation	Brijesh Bakariya, Krishna Kumar Mohbey, Arshdeep Singh, Harmanpreet Singh, Pankaj Raju, Rohit Rajpoot	Computer Science	National Academy Science Letters	2023	2250-1754	0	0	https://link.springer.com/article/10.1007/s40009-023-01346-4
Facial emotion recognition and music recommendation system using CNN-based deep learning techniques	Brijesh Bakariya, Arshdeep Singh, Harmanpreet Singh, Pankaj Raju, Rohit Rajpoot, Krishna Kumar Mohbey	Computer Science	Evolving Systems	2023	1868-6486	0	2	https://link.springer.com/article/10.1007/s12530-023-09506-z#:~:text=The%20proposed%20model's%20accuracy%20is,recognition%20plays%20an%20important%20role.
Implementation of Logistic Regression on Diabetic Dataset using Train-Test-Split, K-Fold and Stratified K-Fold Approach	Meenu Bhagat, Brijesh Bakariya	Computer Science	National Academy Science Letters	2023	2250-1754	3	5	https://link.springer.com/article/10.1007/s40009-022-01131-9
Human activity recognition by combining external features with accelerometer sensor data using deep learning network model	Neeraj Varshney, Brijesh Bakariya, Alok Kumar Singh Kushwaha, Manish Khare	Computer Science	Multimedia Tools and Applications	2022	1573-7721	7	5	https://link.springer.com/article/10.1007/s11042-021-11313-0
Human activity recognition using deep transfer learning of cross position sensor based on vertical distribution of data	Neeraj Varshney, Brijesh Bakariya, Alok Kumar Singh Kushwaha	Computer Science	Multimedia Tools and Applications	2022	1573-7721	4	7	https://link.springer.com/article/10.1007/s11042-021-11131-4
Water Quality Prediction of the Yamuna River in India Using Hybrid Neuro-Fuzzy Models	Ozgur Kisi, Kulwinder Singh Parmar, Amin Mahdavi-Meymand, Rana Muhammad Adnan, Shamsuddin Shahid and Mohammad Zounemat-Kermani	Mathematics	Water	2023	2073-4441		3	https://www.mdpi.com/2073-4441/15/6/1095
Development of a mathematical model to forecast black carbon concentration using ARIMA and soft computing	Jatinder Kaur, Sarbjit Singh, Kulwinder Singh Parmar & Kirti Soni	Mathematics	Arabian Journal of Geosciences	2023	1866-7538	0	2	https://link.springer.com/article/10.1007/s12517-023-11321-4

Autoregressive models in environmental forecasting time series: a theoretical and application review	Jatinder Kaur, Sarbjit Singh, Kulwinder Singh Parmar	Mathematics	Environmental Science and Pollution Research	2023	1614-7499	10	17	https://link.springer.com/article/10.1007/s11356-023-25148-9
The viability of extended marine predators algorithm-based artificial neural networks for streamflow prediction	Rana Muhammad Adnan Ikram, Ahmed A. Ewees, Kulwinder Singh Parmar, Zaher Mundher Yaseen, Shamsuddin Shahid, Ozgur Kisi	Mathematics	Applied Soft Computing	2023	1872-9681	60	68	https://www.sciencedirect.com/science/article/abs/pii/S1568494622007888
Wave Propagation in Generalized Thermoelastic Medium with Impedance Boundary Condition	S.Kaushar, Kulwinder Singh Parmar, Priya	Mathematics	Iranian Journal of Mathematical Sciences and Informatics	2022	2008-9473	0	0	https://ijmsi.ir/article-1-1385-en.pdf
Comparison of hybrid machine learning model for the analysis of black carbon in air around the major coal mines of India	Sachin Kaushal Sidhu Jitendra Singh Makkhan, Sarbjit Singh, Kulwinder Parmar, Kirti Soni	Mathematics	Neural Computing and Applications	2022	1433-3058	0	2	https://link.springer.com/article/10.1007/s00521-022-07909-8
Modeling multistep ahead dissolved oxygen concentration using improved support vector machines by a hybrid metaheuristic algorithm	Rana Muhammad Adnan, Hong-Liang Dai, Reham R Mostafa, Kulwinder Singh Parmar, Salim Heddam, Ozgur Kisi	Mathematics	Sustainability	2022	2071-1050	7	11	https://www.mdpi.com/2071-1050/14/6/3470
Amritsar Campus								
Breast mass segmentation using mammographic data: a systematic review	Harmandeep Singh, Vipul Sharma and Damanpreet Singh	Department of computer science and Engineering, IKGPTU Amritsar Campus	Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization (Taylor and Francis)	2023	2168-1163	0	0	https://www.tandfonline.com/doi/full/10.1080/21681163.2023.2219766
Hot deformation behaviour of Ti alloys: A review on physical simulation and deformation mechanisms	Puja Yadav, Kuldeep K. Saxena, Shankar Sehgal, Tarunpreet Singh, Shashi Bahl	Department of Mechanical Engineering, IKGPTU Amritsar Campus	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2022	0954-4089	0	0	https://journals.sagepub.com/doi/abs/10.1177/09544089221117696?journalCode=peia
Structural design and its analysis of two station notching tool for industrial die	Subhash N. Waghmare, Sagar D. Shelare, Shashi Bahl, Nischal Mungle, Ashok Kumar Bagha, Rakesh Chandmal Sharma	Department of Mechanical Engineering, IKGPTU Amritsar Campus	Materials Today: Proceedings	2022	2214-7853	0	0	https://www.sciencedirect.com/science/article/abs/pii/S2214785322043747
Determination of the material model parameters for high pressure densification induced glass inferred through analytical comparison and its ballistic performance as used in composite laminates	Nitin Thakur, Rabinder Singh Bharj, Pramod Kumar, Prince Sharma, Sumit Sharma, Shashi Bahl	Department of Mechanical Engineering, IKGPTU Amritsar Campus	Physica Scripta	2022	1402-4896	0	2	https://iopscience.iop.org/article/10.1088/1402-4896/aca6d
Detection dogs cases about their sniffing applications in medical and future application for COVID - 19 pandemic	Shashi Bahl, Ashok Kumar Bagha, Abid Haleem, Mohd Javaid	Department of Mechanical Engineering, IKGPTU Amritsar Campus	Current Medicine Research and Practice	2022	2352-0817	0	0	https://journals.lww.com/cmre/fulltext/2022/12050/detection_dogs_cases_about_their_sniffing.11.aspx
Finite element model updating of microwave welded lap joint with direct updating algorithm	Ashok Kumar Bagha, Shivashrit Tiwari, Shivani Kumari, Rahul Samyal, Raman Bedi, Nitin Sharma, Shashi Bahl	Department of Mechanical Engineering, IKGPTU Amritsar Campus	Physica Scripta	2022	1402-4896	1	2	https://iopscience.iop.org/article/10.1088/1402-4896/ac7efd

Significant applications of smart materials and Internet of Things (IoT) in the automotive industry	Mohd Ammar, Abid Haleem, Mohd Javid, Shashi Bahl, Sonu Bala Garg, Ahmad Shamoon, Jatinder Garg	Department of Mechanical Engineering, IKGPTU Amritsar Campus	Materials Today: Proceedings	2022	2214-7853	15	15	https://www.sciencedirect.com/science/article/abs/pii/S2214785322048015
Behavioural Investigation of Hardness Profile for Dissimilar TIG-Weldment between P22 and P91 Steels	Bikram Jit Singh, Srihari Palli, Parmod Kumar, Shashi Bahl	Department of Mechanical Engineering, IKGPTU Amritsar Campus	International Journal of Vehicle Structures & Systems	2023	0975-3060	0	0	https://yanthrika.com/eja/index.php/ijvss/article/view/2420
Strategic Optimization of Post Weld Heat Treatment for Dissimilar TIG Weldment of P22 and P91 Steels	Bikram Jit Singh, Azad Duppala, Parmod Kumar, Shashi Bahl	Department of Mechanical Engineering, IKGPTU Amritsar Campus	International Journal of Vehicle Structures & Systems	2023	0975-3060	0	0	https://yanthrika.com/eja/index.php/ijvss/article/view/2440
Ride Behaviour of Three-Wheel Vehicle using Semi-Active Suspension using Skyhook Control Strategy	Rakesh Chandmal Sharma, Sono Bhardawaj, Sunil Kumar Sharma, Shashi Bahl	Department of Mechanical Engineering, IKGPTU Amritsar Campus	International Journal of Vehicle Structures & Systems	2023	0975-3060	0	0	https://yanthrika.com/eja/index.php/ijvss/article/view/2419
Modeling of a two-axle rail vehicle for state estimation, Noise & Vibration Worldwide	Rakesh Chandmal Sharma, Sono Bhardawaj, LVV Gopala Rao, Shashi Bahl	Department of Mechanical Engineering, IKGPTU Amritsar Campus	Noise & Vibration Worldwide	2023	9574565	1	0	https://journals.sagepub.com/doi/10.1177/09574565231161649?cid=int.sj-full-text.similar-articles.5
Evaluating the dynamic characteristics of microwave-casted metal matrix composite material by using experimental modal analysis	Sahil Nandwani, Sachit Vardhan, Shashi Bahl, Adarsh Kumar Yadav, Rahul Samyal, Ashok Kumar Bagha	Department of Mechanical Engineering, IKGPTU Amritsar Campus	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	2023	0954-4089	3	2	https://journals.sagepub.com/doi/abs/10.1177/09544089231158921
Study of burnishing effect on the thermal spray coatings.	Atul Agnihotri, Sukhminderbir Singh Kalsi & Harmesh Kansal	Mechanical Engineering	Materials Physics and Mechanics.	2023	1605-8119	0	0	https://ipme.ru/en/journals/study-of-burnishing-effect-on-the-thermal-spray-coatings.html
Effect of burnishing on HVOF coated boiler steel against hot corrosion in actual boiler environment	Atul Agnihotri, Sukhminderbir Singh Kalsi & Harmesh Kansal	Mechanical Engineering	Surface Engineering	2023	1743-2944	0	0	https://www.tandfonline.com/doi/full/10.1080/02670844.2023.2242117
Mohali Campus-I								
Effective Brain Tumor Image Classification using Deep Learning	Chandni, M Sachdeva, AKS Kushwaha	Computer Science and Engineering	National Academy Science Letters, 2023	2023	0250-541X / 2250-1754	0	0	https://link.springer.com/article/10.1007/s40009-023-01309-9
The power of deep learning for intelligent tumor classification systems: A review	Chandni, M Sachdeva, AKS Kushwaha	Computer Science and Engineering	COMPUTERS & ELECTRICAL ENGINEERING	2023	0045-7906 / 1879-0755	2	1	https://www.sciencedirect.com/science/article/abs/pii/S0045790623000113#:~:text=In%20era%20of%20technology,diseases%2C%20like%20tumors%20or%20cancer.
Bagging: An Ensemble Approach for Recognition of Handwritten Place Names in Gurumukhi Script	Harmandeep Kaur, Munish Kumar, Aastha Gupta, Monika Sachdeva, Ajay Miittal, Krishan Kumar	Computer Science and Engineering	ACM Transactions on Asian and Low-Resource Language Information	2023	2375-4699 / 2375-4702	0	0	https://www.x-mol.net/paper/article/1649082505076944896

Quantum behaved Intelligent Variant of Gravitational Search Algorithm with Deep Neural Networks for Human Activity Recognition	S Jindal, M Sachdeva, AKS Kushwaha	Computer Science and Engineering	Kuwait Journal of Science,	2023	2307-4108 / 2307-4116	0	0	https://journalskuwait.org/kjs/index.php/KJS/article/view/18531
Human Activity Recognition using Ensemble Convolutional Neural Networks and Long Short-Term Memory	S Jindal, M Sachdeva, AKS Kushwaha	Computer Science and Engineering	International Journal of Performability Engineering	2022	0973-1318	1	0	https://www.ijpe-online.com/EN/abstract/abstract4718.shtml
A novel quantum-behaved binary firefly algorithm with gravitational search algorithm to optimize the features for human activity recognition	S Jindal, M Sachdeva, AKS Kushwaha	Computer Science and Engineering	International Journal of Modern Physics C	2022	0129-1831 / 1793-6586	2	2	https://ui.adsabs.harvard.edu/abs/2022IJMPC...3350146J/abstract
Performance evaluation of machine learning based voting classifier system for human activity recognition	S Jindal, M Sachdeva, AKS Kushwaha	Computer Science and Engineering	Kuwait Journal of Science	2022	2307-4108 / 2307-4116	2	0	https://journalskuwait.org/kjs/index.php/KJS/article/view/19189
Analysis of Alzheimer's Disease Detection using GSVM Algorithm	Raghubir Singh Salaria, Neeraj Mohan	CSE	Neuro Quantology	2022	1303-5150	0	0	
Predicting students' academic performance by mining the educational data through machine learning-based classification model	Padmalaya Nayak · Sk. Vaheed, Surbhi Gupta, Neeraj Mohan	CSE	Education and Information Technologies	2023	1360-2357	3	1	https://link.springer.com/article/10.1007/s10639-023-11706-8
"Application of Taguchi design in optimisation of performance and emissions characteristics of n-butanol/diesel/biogas under dual fuel mode"	Sunil Kumar Mahla, Tarun Goyal, Deepam Goyal, Himanshu Sharma, Amit Dhir, Geetesh Goga,	Mechanical Engineering	Fuel	2023	0016-2361	19	16	https://www.sciencedirect.com/science/article/abs/pii/S0016236122040704#:~:text=Highlights&text=%E2%80%A2-Taguchi%20design%20in%20optimization%20of%20performance%20and%20emissions%20characteristics%20of,the%20CO%20and%20HC%20emissions
"Sustainable development in cold gas dynamic spray coating process for biomedical application: challenges and future perspective review"	Harpinder Singh Sandhu, Deepam Goyal, Ankit Sharma, Tarun Goyal, Sapna Jarial, Anuranjan Sharda,	Mechanical Engineering	<i>International Journal on Interactive design and manufacturing</i>	2023	19552513	1	1	https://link.springer.com/article/10.1007/s12008-023-01474-7
COVID-19 pandemic: A seismically disruptive environmental event	R.K. Dang, D.Goyal, T.Goyal, N.Mago,	Mechanical Engineering	ECS Transactions	2022	1938-5862	0	0	https://iopscience.iop.org/article/10.1149/10701.5553ecst/pdf
"Graphene: A path-breaking discovery for energy storage and sustainability"	Deepam Goyal, Rajeev Kumar Dang, Tarun Goyal, Kuldeep K Saxena *, Kahtan A. Mohammed, Saurav Dixit	Mechanical Engineering	Journal of Materials	2022	1996-1944	9	7	https://www.mdpi.com/1996-1944/15/18/6241#:~:text=Graphene%2C%20being%20a%20path%2Dbreaking,and%20excellent%20electrical%2Fthermal%20conductivity
Mohali Campus-II								
Groundwater Potential Zone Mapping in the Ghaggar River Basin, North-West India, Using Integrated Remote Sensing and GIS Techniques	Upadhyay, Ritambhara K., Gaurav Tripathi, Bojan Đurin, Sanja Šamanović, Naval Kishore, Mukta Sharma et.al	IKGPTU Mohali Campus-II	<i>Water</i> 15, no. 5: 961	2023	ISSN: 2073-4441		0	https://www.mdpi.com/2073-4441/15/5/961

Tethering cellulose fibers with disulphide linkages for rapid and efficient adsorption of mercury ions and dye from wastewater: Adsorption mechanism and process optimization using RSM	Manpreet Kaur(a) , Vijay Kumar a , Kavita Sharma a , Sumant Saini b , Mukta Sharma c , Christian Paulik d , Hideaki Yoshitake e , Gaurav Rattan f , Anupama Kaushik a,f,*	IKGPTU Mohali Campus-II	Separation and Purification Technology	2023	ISSN 1383-5866	3	0	https://www.sciencedirect.com/science/article/abs/pii/S1383586623011838
Geotechnical Stability Assessment of	Mukta Sharma, Shivani Sharma, Gaurav Tripathi, Suraj Kumar Singh, Shruti Kanga and Ritambhara K. Upadhyay	IKGPTU, MOHALI CAMPUS-II	India. Biological Forum – An International Journal, 15(5): 1071-1080,	2023	ISSN No. (Print): 0975-1130 ISSN No. (Online): 2249-3239	0	0	https://www.researchgate.net/publication/371699611_Geotechnical_Stability_Assessment_of_Road-cut_Slopes_A_Case_Study_of_Srinagar_Garhwal_Himalaya_India