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Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of	
							Link to website of the Journal	Link to article / paper / abstract of the article
1	Effect of Ag ₂ S on electrical conductivity and dielectric relaxation in Ag ₂ O-MoO ₃ -P ₂ O ₅ ionic glassy systems	Bidyut Kumar Ghosh, Shuma Adhikari, Bijan Deb, Rittwick Mondal, Anindya Sundar Das, Soumyajyoti Kabi, Loitongbam Surajkumar Singh, Chiranjib Chakrabarti, Dipankar Biswas	Electrical Engineering	Journal of Non-Crystalline Solids	2022	0022-3093	https://www.sciencedirect.com/journal/journal-of-non-crystalline-solids	https://doi.org/10.1016/j.jnoncrysol.2022.121893
2	Defects characteristic investigation of bismuth ferrite nanocrystallites through positron annihilation and supportive methods	Shubharaj Mukherjee, Maudud Ahmed, Smruti Medha Mishra, Jincemon Cyriac, Chiranjib Chakrabarti, P.M.G. Nambissan	Basic Science & Humanities	Journal of Physics and Chemistry of Solids	2023	0022-3697	https://www.sciencedirect.com/journal/journal-of-physics-and-chemistry-of-solids	https://doi.org/10.1016/j.jpms.2023.111462
3	Effect of transition metal and alkali oxides on structural, optical and dielectric properties in Zinc-Phosphate amorphous glassy systems	Souvik Brahma Hota, Debasish Roy b, Bidyut Kumar Ghosh, Anindya Sundar Das, Rittwick Mondal, Soumyajyoti Kabi, Chiranjib Chakrabarti, Dipankar Biswas	Electrical Engineering	Journal of Non-Crystalline Solids	2023	0022-3093	https://www.sciencedirect.com/journal/journal-of-non-crystalline-solids	https://doi.org/10.1016/j.jnoncrysol.2023.122235
4	Effect of incorporation of alkali earth metal oxide on structural, optical and DC conduction mechanism in tellurium-phosphate glassy systems	Arpan Mandal, Nipu Modak, Debtanu Patra, Rittwick Monda, Anindya Sundar Das, Soumyajyoti Kabi, Chiranjib Chakrabarti, Dipankar Biswas	Mechanical Engineering	Journal of Materials Science: Materials in Electronics	2023	0957-4522 (print); 1573-482X (web)	https://www.springer.com/journal/10854	https://doi.org/10.1007/s10854-023-09958-8
5	Squeeze Film Effect in Surface Micromachined Nano Ultrasonic Sensor for Different Diaphragm Displacement Profiles	Avik Ghosh Dastidar, Reshmi Maity, Ramesh Chandra Tiwari, Dejan Vidojevic, Tijana S. Kevkic, Vojkan Nikolic, Subhajit Das and Niladri Pratap Maity	Basic Science & Humanities	Sensors, MDPI	2023	1424-8220	https://www.mdpi.com/journal/sensors	https://doi.org/10.3390/s23104665
6	An efficient electrostatic actuation model for MEMS-based ultrasonic transducers with fringing effect	Avik Ghosh Dastidar, Moumita Pal, R. C. Tiwari, Reshmi Maity, N. P. Maity	Basic Science & Humanities	Microsystem Technologies, Springer	2023	1432-1858	https://www.springer.com/journal/542	https://doi.org/10.1007/s00542-023-05412-1
7	Impact of Spotted Hyena Optimized Cascade Controller in Load Frequency Control of Wave-Solar-Double Compensated Capacitive Energy Storage Based Interconnected Power System	Dr. Arindita Saha	Electrical Engineering	Energies	2022	1996-1073	https://www.mdpi.com/journal/energies	https://www.mdpi.com/1996-1073/15/19/6959



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8	Influence of solar and solid oxide fuel cell in AGC learning by utilizing spotted hyena optimized cascade controller	Dr. Arindita Saha	Electrical Engineering	International Journal of Energy and Environmental Engineering	2022	2008-9163	https://www.springer.com/journal/40095	https://link.springer.com/article/10.1007/s40095-022-00547-9
9	Dynamic Stability Evaluation of an Integrated Biodiesel-Geothermal Power Plant-Based Power System with Spotted Hyena Optimized Cascade Controller	Dr. Arindita Saha	Electrical Engineering	Sustainability	2022	2071-1050	https://www.mdpi.com/journal/sustainability	https://www.mdpi.com/2071-1050/14/22/14842
10	Bird Swarm Algorithm Optimized TIDD Controller for Multi-area Load Frequency Control Application	Dr. Arindita Saha	Electrical Engineering	SN Computer Science	2023	2661-8907	https://www.springer.com/journal/42979	https://link.springer.com/article/10.1007/s42979-022-01556-5
11	Crow Search Algorithm-Optimized Cascade Controller in a Multi-Area Thermal Wind Integrated System and Its Real-Time Validation	Dr. Arindita Saha	Electrical Engineering	ELECTRICA	2023	2619-9831	https://electricajournal.org/EN	https://electricajournal.org/en/crow-search-algorithm-optimized-cascade-controller-in-a-multi-area-thermal-wind-integrated-system-and-its-real-time-validation-131149
12	Dynamic stability assessment of interconnected thermal-SsGT-solar photovoltaic-EV power system with ARO optimized IDN-FOID amalgamated controller	Dr. Arindita Saha	Electrical Engineering	IET Renewable Power Generation	2023	1752-1424	https://ietresearch.onlinelibrary.wiley.com/journal/17521424	https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/rpg2.12771
13	Comparative Analysis of Various Energy Storage Systems in a Conventional LFC System Considering RDSTS, PWTS and AHVDC Models	Dr. Arindita Saha	Electrical Engineering	Journal of Engineering Research	2023	2307-1877	https://www.sciencedirect.com/journal/journal-of-engineering-research	https://www.sciencedirect.com/science/article/pii/S2307187723001244?via%3Dihub
14	An Improved Parametric Method for Selecting Different Types of Tesla Transformer Primary Coil to Construct an Artificial Lightning Simulator	Dr. Suman Jana	EEE	IEEE Access	2023	2169-3536	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6287639	https://ieeexplore.ieee.org/document/10056388



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15	Parallel Hardware implementation of Walsh Hadamard Transform	Pulak Mazumder	ECE	JSIR	2022	0022-4456	http://op.niscpr.res.in/index.php/JSIR/index	https://doi.org/10.56042/jsir.v8i107.46536
16	Modeling, Simulation and Performance Analysis of Drain Current for below 10 nm Channel Length Based Tri-Gate FinFET	Panchanan, S., Maity, R., Baishya, S., Maity, N, P	ECE	Silicon	2022	1876-9918	https://www.springer.com/journal/12633	https://doi.org/10.1007/s12633-022-01875-5
17	Role of Fin Shape on Drain Current of SiO ₂ /HfO ₂ Based Trigate FinFET Including Quantum Mechanical Effect	S. Panchanan, R. Maity, A. Baidya, N. P. Maity	ECE	Silicon	2023	1876-9918	https://www.springer.com/journal/12633	https://doi.org/10.1007/s12633-023-02288-8
18	Impact of fin width on nano scale tri-gate FinFET including the quantum mechanical effect	Suparna Panchanan, Reshmi. Maity, A. Baidya and Niladri Pratap Maity	ECE	Engineering Research Express	2023	2631-8695	https://iopscience.iop.org/journal/2631-8695	https://iopscience.iop.org/article/10.1088/2631-8695/acd23a/meta
19	Exploring Virtual Learning Community in the New Normal	Anamika Basu	Basic Science & Humanities	The English Classroom	2022	ISSN 22502831	https://www.riesi.ac.in/english-classroom-journal/	https://www.riesi.ac.in/wp-content/uploads/2022/12/The-Class-Room-Book.pdf
20	Autoregressive moving average based anycast with support vector machine clustering in mobile ad-hoc networks	Subhankar Ghosh , Anuradha Banerjee, Abu Sufian, Sachin Kumar Gupta	CSE	Transactions on Emerging Telecommunications Technologies	2021	2161-5748	https://onlinelibrary.wiley.com/journal/21613915	https://onlinelibrary.wiley.com/doi/10.1002/ett.4432
21	Effect of transition metal and alkali oxides on structural, optical and dielectric properties in Zinc-Phosphate amorphous glassy systems	S B Hota, D Roy, B K Ghosh, A S Das, R Mondal, S Kabi, C Chakrabarti, Dipankar Biswas *	ECE	Journal of Non-Crystalline Solids	2023	0022-3093	https://www.sciencedirect.com/journal/journal-of-non-crystalline-solids	https://www.sciencedirect.com/science/article/abs/pii/S0022309323001047
22	Effect of incorporation of alkali earth metal oxide on structural, optical and DC conduction mechanism in tellurium-phosphate glassy systems	A Mandal, N Modak, D Patra, R Mondal, A S Das, S Kabi, C Chakrabarti, Dipankar Biswas *	ME	Journal of Materials Science: Materials in Electronics	2023	Electronic ISSN: 1573-482X Print ISSN : 0957-4522	https://www.springer.com/journal/10854	https://doi.org/10.1007/s10854-023-09958-8



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23	Structural modifications, optical response, and electrical conductivity mechanism of Bi ₂ O ₃ doped in P ₂ O ₅ -V ₂ O ₅ -MoO ₃ nanocomposite glass systems.	A Mandal, N Modak, A Rakshit, R Mondal, A S Das, S Kabi, S Mondal, Dipankar Biswas *	ME	Materials Chemistry and Physics	2023	Online ISSN: 1879-3312 Print ISSN: 0254-0584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	https://doi.org/10.1016/j.matchemphys.2023.127466
24	Tunable band gap, CB and VB positions of multicomponent Se _{65-x} Te ₂₀ Ge ₁₅ Sn _x Chalcogenide glassy Systems: Effect of Metallic additives on physical and optical parameters	R. Mondal, P. Tudu, P. Chatterjee, S. Kabi, A.S. Das, S. Chattopadhyay, Dipankar Biswas *	ECE	Materials Chemistry and Physics	2023	Online ISSN: 1879-3312 Print ISSN: 0254-0584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	https://doi.org/10.1016/j.matchemphys.2022.127187
25	Influence of V ₂ O ₅ concentration on structural and electrical transport properties of semiconducting ternary glass and glass -ceramics nanocomposite system	A S Das, Dipankar Biswas	ECE	Journal of Non-Crystalline Solids	2022	0022-3094	https://www.sciencedirect.com/journal/journal-of-non-crystalline-solids	https://doi.org/10.1016/j.jnoncrysol.2022.121659
26	Study of mixed modifier effect on dielectric and optical properties of zinc-phosphate based ternary and quaternary nanocomposite systems	R.K.N Ningthemcha, Dipankar Biswas, R Mondal, A S Das, S Kabi, D Ghosh, L S Singh, B Deb	ECE	Journal of Non-Crystalline Solids	2022	0022-3095	https://www.sciencedirect.com/journal/journal-of-non-crystalline-solids	https://doi.org/10.1016/j.jnoncrysol.2022.121701
27	An Energy Efficient Multicast Scheduler for Multicast Protocol WEEM in Ad Hoc Networks	Subhankar Ghosh , Anuradha Banerjee	CSE	International Journal of Advanced Trends in Computer Science and Engineering	2019	2278-3091	https://www.warse.org/IJA-TCSE/	https://doi.org/10.30534/ijatcse/2019/6581.42019
28	Anycast Scheduler For Ad Hoc Networks	Subhankar Ghosh , Anuradha Banerjee	CSE	International Journal of Advanced Trends in Computer Science and Engineering	2019	2278-3091	https://www.warse.org/IJA-TCSE/	https://doi.org/10.30534/ijatcse/2019/6681.42019



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29	A surface potential model for tri-gate metal oxide semiconductor field effect transistor: Analysis below 10 nm channel length	Suparna Panchanan , Reshmi Maity, Srimanta Baishya & Niladri Pratap Maity	ECE	Engineering Science and Technology, an International Journal	2021	2215-0986	https://www.sciencedirect.com/journal/engineering-science-and-technology-an-international-journal	https://doi.org/10.1016/j.jestch.2020.12.020
30	An Efficient DOA Estimation and Jammer Mitigation Method by Means of a Single Snapshot Compressive Sensing Based Sparse Coprime Array	Saurav Ganguly , Jayanta Ghosh, Puli Kishore Kumar & Mainak Mukhopadhyay	ECE	Wireless Personal Communications: An International Journal (Springer-Netherlands)	2021	1572-834X (electronic)	https://www.springer.com/journal/11277	https://doi.org/10.1007/s11277-021-09263-9
31	An Accurate Drain Current Model of Dual Material Double Gate Metal Oxide Semiconductor Field Effect Transistor	Himeli Chakrabarti , Reshmi Maity, S. Baishya & N. P. Maity	ECE	Silicon	2021	1876-9918	https://www.springer.com/journal/12633	https://doi.org/10.1007/s12633-021-01321-y
32	An Accurate Model of Threshold Voltage and Effect of High-K Material for Fully Depleted Graded Channel DMDG MOSFET	Himeli Chakrabarti , Reshmi Maity, S. Baishya & N. P. Maity	ECE	Silicon	2021	1876-9918	https://www.springer.com/journal/12633	https://doi.org/10.1007/s12633-021-01412-w
33	Compositional dependence of structural, physical, and, in particular, optical parameters of $\text{Se}_{50-x}\text{Te}_{30}\text{Sn}_{20}\text{Sb}_x$ chalcogenide glassy systems	Y B Singh, P Chatterjee, R K N Ningthemcha, S Adhikari, R Mondal, A S Das, S Kabi, L S Singh, Dipankar Biswas*	ECE	Materials Chemistry and Physics	2021	0254-0584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	https://doi.org/10.1016/j.matchemphys.2021.125153
34	Effect of Zn incorporation on physical properties of quaternary $0.7\text{Se}-0.2\text{Ge}-(0.1-x)\text{Sb}-x\text{Zn}$ chalcogenide system: A theoretical prediction	R Mondal, Y B Singh, A S Das, S Kabi, L S Singh, Dipankar Biswas*	ECE	Physica B: Condensed Matter	2021	0921-4526	https://www.sciencedirect.com/journal/physica-b-condensed-matter	https://doi.org/10.1016/j.physb.2021.412896
35	A Compact Drain Current Model for Graded Channel DMDG Structure with High-k Material	Michael Lalruatfela, Himeli Chakrabarti, Reshmi Maity, Achinta Baidya, S. Baishya & N. P. Maity	ECE	Silicon	2022	1876-9918	https://www.springer.com/journal/12633	https://doi.org/10.1007/s12633-022-01830-4



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36	The effect of transition metal and heavy metal incorporation on the structural, optical and electrical properties of zinc-phosphate ternary glassy system: A comparative study.	R K N Ningthemcha, R Mondal, A S Das, S Debnath, S Kabi, L S Singh, Dipankar Biswas*	ECE	Materials Chemistry and Physics	2022	0254-0584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	https://doi.org/10.1016/j.matchemphys.2021.125672
37	Microstructure and defects of $0.1P_2O_5-0.65ZnO-0.25(xTeO_2-(1-x)MoO_3)$ quaternary glass nanocomposites using positron annihilation and correlated experimental methods.	Dipankar Biswas , C Chakrabarty, A S Das, M Ahmed, S Mukherjee, P M G Nambission	ECE	Journal of Physics and Chemistry of Solids	2022	0022-3697	https://www.sciencedirect.com/journal/journal-of-physics-and-chemistry-of-solids	https://doi.org/10.1016/j.jpcs.2022.110598
38	Influence of V ₂ O ₅ concentration on structural and electrical transport properties of semiconducting ternary glass and glass-ceramics nanocomposite system	AS Das, Dipankar Biswas	ECE	Journal of Non-Crystalline Solids	2022	0022-3093	https://www.sciencedirect.com/journal/journal-of-non-crystalline-solids	https://doi.org/10.1016/j.jnoncrysol.2022.121659
39	Microstructural and defects characteristics of $xV_2O_5-(1-x)(0.35MoO_3-0.65ZnO)$ glass nanocomposites utilizing positron annihilation spectroscopy and correlated experimental methods	AS Das, Dipankar Biswas	ECE	Materials Today: Proceedings	2022	2214-7853	https://doi.org/10.1016/j.matpr.2022.03.328	https://doi.org/10.1016/j.matpr.2022.03.328
40	Automatic Language Identification using Basic Signal Class	Panchanan Suparna, Saha Arup, Datta Asoke Kr	ECE	Trends in Electrical Engineering	2019	2249-4774	https://engineeringjournals.stmjournals.in/index.php/TEE/index	https://doi.org/10.37591/v9i2.3252
41	ARMA Model Based Anycast AODV (ARMA-AAODV) for Performance Improvement in Scalable Mobile Ad Hoc Networks	Subhankar Ghosh	CSE	International Journal of Wireless Information Networks	2021	1068-9605	https://www.springer.com/journal/10776	https://doi.org/10.1007/s10776-021-00505-y
42	An Analytical Review on Rough Set Based Image Clustering	Kaustav Sarkar	CSE	Archives of Computational Methods in Engineering	2021	1134-3060	https://www.springer.com/journal/11831	https://doi.org/10.1007/s11831-021-09629-z



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43	Investigation of cationic disorder effects on the transport and magnetic properties of perovskite $\text{Pr}_{0.7-x}\text{RE}_x\text{Sr}_{0.3}\text{MnO}_3$ ($x = 0.0, 0.2$; RE= Nd, Sm, & Gd)	Dipankar Biswas	ECE	Journal of Magnetism and Magnetic Materials	2020	0304-8853	https://www.sciencedirect.com/journal/journal-of-magnetism-and-magnetic-materials	https://doi.org/10.1016/j.jmmm.2020.167011
44	Study of microstructure and electrical conduction mechanisms of quaternary semiconducting glassy systems: Effect of mixed modifiers	Dipankar Biswas	ECE	Journal of Non-Crystalline Solids	2020	0022-3093	https://www.sciencedirect.com/journal/journal-of-non-crystalline-solids	https://doi.org/10.1016/j.jnoncrysol.2020.120104
45	Temperature and frequency dependent electrical conductivity and dielectric relaxation of mixed transition metal doped bismuth-phosphate semiconducting glassy systems	Dipankar Biswas	ECE	Materials Chemistry and Physics	2020	0254-0584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	https://doi.org/10.1016/j.matchemphys.2020.123207
46	Structural properties and electrical conductivity mechanisms of semiconducting quaternary nanocomposites: Effect of two transition metal oxides	Dipankar Biswas	ECE	Journal of Physics and Chemistry of Solids	2020	0022-3697	https://www.sciencedirect.com/journal/journal-of-physics-and-chemistry-of-solids	https://doi.org/10.1016/j.jpcs.2020.109505
47	Influence of samarium content on structural, thermal, linear and non-linear optical properties of $\text{ZnO}-\text{TeO}_2-\text{P}_2\text{O}_5$ glasses	Dipankar Biswas	ECE	Materials Chemistry and Physics	2020	0254-0584	https://www.sciencedirect.com/journal/materials-chemistry-and-physics	https://doi.org/10.1016/j.matchemphys.2020.123561
48	A convolutional neural network-driven computer vision system toward identification of species and maturity stage of medicinal leaves: case studies with Neem, Tulsi and Kalmegh leaves	Gunjan Mukherjee	MCA	Soft Computing	2021	1432-7643	https://www.springer.com/journal/500	https://doi.org/10.1007/s00500-021-06139-9
49	An Effective Approach to Reduce the Penetration Potential of SARS-CoV-2 and other Viruses by Spike Protein: Surface Particle Electrostatic Charge Negotiation	Sudip Chatterjee	Basic Science & Humanities	AIJR Preprints	2020	NA	https://preprints.aijr.org/index.php/ap/index	https://doi.org/10.21467/preprints.93



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50	Energy Efficient Route Discovery (EERD) for Time-Constrained Communication in Mobile Ad Hoc Network	Subhankar Ghosh , Anuradha Banerjee	CSE	International Journal of Computing and Technology	2020	2348-6090	http://ijcat.org/	https://www.ijcat.org/articles/7-5/Energy-Efficient-Route-Discovery-EERD-for-Time-Constrained-Communication-in-Mobile-Ad-Hoc-Network.html
51	Antisymmetric distributed Bragg reflector as hybrid filter for compact integrated photonics	Rajorshi Bandyopadhyay & Rajib Chakraborty	EE	Journal of Electromagnetic Waves and Applications	2018	1569-3937	http://www.tandfonline.com/loi/tewa20	https://doi.org/10.1080/09205071.2018.1518731
52	Transmission Filters Utilizing Cavity Resonances in Bandgap-Engineered Monomaterials	Rajorshi Bandyopadhyay and Rajib Chakraborty	EE	IEEE PHOTONICS TECHNOLOGY LETTERS	2018	1041-1135	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=68	https://doi.org/10.1109/LPT.2017.2780825
53	Silicon waveguide as virtual photonic bandgap structure array for realizing compact optical filters	Rajorshi Bandyopadhyay , Saikat Majumder & Rajib Chakraborty	EE	Journal of Electromagnetic Waves and Applications	2020	1569-3937	http://www.tandfonline.com/loi/tewa20	https://doi.org/10.1080/09205071.2020.1839568
54	An Ultra Robust Session Key Based Image Cryptography	H.N. Khan, A. Chaudhuri, A. Das, A. Chaudhuri	CSE	Microsystem Technologies	2019	1432-1858	https://www.springer.com/journal/542	https://doi.org/10.1007/s00542-019-04518-9
55	LOCATION BASED ENERGY EFFICIENT SCHEME (LNE2S) FOR MOBILE AD HOC NETWORKS	Subhankar Ghosh , Anuradha Banerjee	CSE	INFOCOMP Journal of Computer Science	2019	NA	https://infocomp.dcc.ufla.br/index.php/infocomp/index	https://infocomp.dcc.ufla.br/index.php/infocomp/article/view/603
56	FPR: fuzzy controlled probabilistic rebroadcast in mobile ad hoc network	Subhankar Ghosh , Anuradha Banerjee	CSE	International Journal of Information Technology	2019	2511-2112	https://www.springer.com/journal/41870	https://doi.org/10.1007/s41870-019-00288-9
57	Role of roughness geometry function on spatially averaged form induced shear stresses and pressure energy diffusion rates in gravel-bed stream	Ghosh, M., Malakar, P., & Das, R.,	Civil Engg.	ISH Journal of Hydraulic Engineering,	2022	9715010	https://www.tandfonline.com/doi/abs/10.1080/09715010.2021.1892541?journalCode=tish20	https://www.tandfonline.com/doi/abs/10.1080/09715010.2021.1892541?journalCode=tish20



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58	Analysis of different limnological parameters and cultural eutrofication of kalyani lake, West bengal, Nadia	Payel Chakraborty	Civil Engineering	International Journal of advances in engineering and management	2022	ISSN2395-5252	https://ijaem.net	https://ijaem.net/issue_detail/Analysis%20of%20Different%20limnological%20Parameters%20and%20Cultural%20Eutrophication%20of%20Kalyani%20Lake,%20West%20Bengal,%20Nadia.pdf
59	Understanding the Trends in Welding of Copper and Steel	Pabitra Maji, R. K. Bhogendro Meitei, Subrata Kumar Ghosh	ME	U. Porto Journal of Engineering	2022	2183-6493	https://journalengineering.fe.up.pt/	https://journalengineering.fe.up.pt/index.php/upjeng/article/view/2183-6493_008-006_0004
60	Development of a Self-Heated Friction Stir Welding tool for welding of polypropylene sheets	Rahul Kanti Nath, Pabitra Maji, John Deb Barma	ME	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2019	1806-3691	https://www.springer.com/journal/40430	https://link.springer.com/article/10.1007/s40430-019-2059-2
61	An experimental investigation on joining of copper and stainless steel by induction welding technique	RK Bhogendro Meitei, Pabitra Maji, Ashutosh Samadhiya, Ranit Karmakar, Subrata Kumar Ghosh, Subhash Chandra Saha	ME	International Journal of Precision Engineering and Manufacturing	2020	2234-7593	https://www.springer.com/journal/12541	https://link.springer.com/article/10.1007/s12541-019-00284-w
62	Microstructural, mechanical and wear characteristics of aluminum matrix composites fabricated by friction stir processing	Pabitra Maji, Subrata Kumar Ghosh, Rahul Kanti Nath, Ranit Karmakar	ME	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2020	1806-3691	https://www.springer.com/journal/40430	https://link.springer.com/article/10.1007/s40430-020-02279-5
63	A Review on the Nickel Based Metal Matrix Composite Coating	Ranit Karmakar, Pabitra Maji, Subrata Kumar Ghosh	ME	Metals and Materials International	2021	2005-4149	https://www.springer.com/journal/12540	https://link.springer.com/article/10.1007/s12540-020-00872-w
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65	Effect of processing speed on wear and corrosion behavior of novel MoS ₂ and CeO ₂ reinforced hybrid aluminum matrix composites fabricated by friction stir processing	Pabitra Maji, Rahul Kanti Nath, Pritam Paul, R.K. Bhogendro Meitei, Subrata Kumar Ghosh	ME	Journal of Manufacturing Processes	2021	2212-4616	https://www.sciencedirect.com/journal/journal-of-manufacturing-processes	https://doi.org/10.1016/j.jmapro.2021.07.032
66	Surface Modification by Electro-Discharge Machining Using Powder Metallurgy Electrode: A Review	SVVN Siva Rao, Tharra Bhavani, Rahul Kanti Nath, Pabitra Maji, Subrata Kumar Ghosh, John Deb Barma	ME	Surface Review and Letters	2021	1793-6667	https://www.worldscientific.com/worldscinet/srl	https://doi.org/10.1142/S0218625X2030004X
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68	Joining of Advance Engineering Thermoplastic Using Novel Self-Heated FSW Tool	Rahul Kanti Nath, Pabitra Maji, John Deb Barma	ME	JOM	2021	1543-1851	https://www.springer.com/journal/11837	https://link.springer.com/article/10.1007/s11837-021-04686-y
69	Wear and Corrosion Behavior of Al7075 Matrix Hybrid Composites Produced by Friction Stir Processing: Optimization of Process Parameters	Pabitra Maji, Rahul Kanti Nath, Ranit Karmakar, Dileep Madapana, R.K. Bhogendro Meitei, Subrata Kumar Ghosh	ME	JOM	2021	1543-1851	https://www.springer.com/journal/11838	https://link.springer.com/article/10.1007/s11837-021-04945-y
70	Research advancements in machining of metal matrix composites through wire electro discharge machining technique	Ranit Karmakar, Pabitra Maji	ME	Materials Today: Proceedings	2021	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2020.10.717
71	Effect of different electrode angles as well as weld direction on the bead geometry of submerge arc welding process	Rahul Kanti Nath, Pabitra Maji, Atosh Kumar Sinha, Ranit Karmakar, Pritam Paul	ME	Materials Today: Proceedings	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2021.08.019



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73	Characterization of novel molybdenum disulfide and cerium dioxide reinforced hybrid aluminum matrix composites fabricated by friction stir processing	Pabitra Maji, Subrata Kumar Ghosh, Rahul Kanti Nath, Pritam Paul, R.K. Bhogendro Meitei	ME	Material Science and Engineering Technology	2022	1521-4052	https://onlinelibrary.wiley.com/journal/15214052	https://onlinelibrary.wiley.com/doi/abs/10.1002/mawe.202100147
74	An overview on friction stir welding/processing tools	Pabitra Maji, Ranit Karmakar, Rahul Kanti Nath, Pritam Paul	ME	Materials Today: Proceedings	2022	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2022.01.009
75	Effect of tool rotational speed on friction stir welding of polymer using self heated tool	Rahul Kanti Nath, Pabitra Maji, John Deb Barma	ME	Production Engineering	2022	1863-7353	https://www.springer.com/journal/11740	https://www.scilit.net/article/f24bb291106a89b75adfc7448a19670e
76	Fabrication of Aloe vera nanopowder by high energy ball mill process	Sabyasachi Mukherjee, Rahul Kanti Nath, Puspendu Chandra Chandra, Sutanu Samanta, Manapuram Muralidhar	ME	Materials Today: Proceedings	2023	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	https://doi.org/10.1016/j.matpr.2023.01.393
77	An experimental investigation of the effect of tool rotational speed on the force, torque and mechanical behaviour of friction stir welded PVC sheets	Rahul Kanti Nath, John Deb Barma, Nitish Singh	ME	Materials Science and Engineering	2019	1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/577/1/012108/meta	https://iopscience.iop.org/article/10.1088/1757-899X/577/1/012108/meta
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79	Experimental Study on Dissimilar Spot Welded Joints of DP590 and IFHS Steels	Pritish Banerjee	ME	International Journal of Engineering Research & Technology (IJERT)	2019	2214-7853	https://www.ijert.org/our-indexing	https://www.ijert.org/research/experimental-study-on-dissimilar-spot-welded-joints-of-dp590-and-ifhs-steels-IJERTV8IS060730.pdf



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90	ECONOMIC EMISSION DISPATCH OF THERMAL-WIND-SOLAR POWER SYSTEM BY USING NSGA II	S. K. Dey, D.P. Dash, M. Basu	EEE	Ethics and Information Technology	2020	978-1-948012-17-1	https://intelcomp-design.com/	https://www.intelcomp-design.com/paper/2etit2020/2etit2020-05-09.pdf
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92	Multi-Region Combined Heat and Power Economic Emission Dispatch	S. K. Dey, D.P. Dash, M. Basu	EEE	International Journal of Engineering and Advanced Technology	2020	2249-8958	https://www.ijeat.org/	https://www.ijeat.org/wp-content/uploads/papers/v9i3/C5655029320.pdf
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