



REGENT EDUCATION & RESEARCH FOUNDATION GROUP OF INSTITUTIONS

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal
1	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
2	Effect of transition metal and alkali oxides on structural, optical and dielectric properties in Zinc-Phosphate amorphous glassy systems	Souvik Brahma Hota, Debasish Roy, 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
3	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
4	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
5	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
6	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
7	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
8	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
9	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



REGENT EDUCATION & RESEARCH FOUNDATION GROUP OF INSTITUTIONS

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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



REGENT EDUCATION & RESEARCH FOUNDATION GROUP OF INSTITUTIONS

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal
18	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
19	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
20	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
21	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/
22	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
23	Application of NSGA-II for environmental constraint economic dispatch of thermal-wind-solar power system	S. K. Dey, D.P. Dash, M. Basu	EEE	Renewable Energy Focus	2022	1755-0084	https://www.elsevier.com/locate/ref
24	Parallel Hardware implementation of Walsh Hadamard Transform	Pulak Mazumder	ECE	JSIR	2022	0022-4456	http://op.niscpr.res.in/index.php/JSIR/index
25	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
26	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/
27	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
28	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



REGENT EDUCATION & RESEARCH FOUNDATION GROUP OF INSTITUTIONS


Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal
29	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
30	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
31	Microstructure and defects of $0.1P_2O_5-0.65ZnO-0.25(x TeO_2-(1-x)MoO_3)$ 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
32	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
33	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/journals/tish20
34	Induction Welding of 304L Stainless Steel and Copper in Vacuum Environment	R.K. Bhogendro Meitei, Pabitra Maji, Pawan Kumar, Ranit Karmakar, Pritam Paul, Subrata Kumar Ghosh, Subhash Chandra Saha	ME	Journal of Materials Engineering and Performance	2022	1059-9495	https://www.springer.com/journal/11665
35	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
36	An Overview on the Development and Research Work on Coconut Shell as An Aggregate	Ishika Ghosh	Civil Engineering	International Journal for Research in Applied Science	2022	ISSN:2321-9653	www.ijraset.com

Principal
Regent Education & Research Foundation
Bara Kanthalia, P.O. - Sewli Telinipara
Barrackpore, Kolkata- 700121



REGENT EDUCATION & RESEARCH FOUNDATION GROUP OF INSTITUTIONS


Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal
37	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
38	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
39	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
40	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
41	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
42	Compositional dependence of structural, physical, and, in particular, optical parameters of $\text{Se}_{50-x}\text{Te}_{30}\text{Sn}_{20}\text{Sbx}$ 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
43	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
44	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


Principal
Regent Education & Research Foundation
Bara Kanthalia, P.O - Sewli Telinipara
Barrackpore, Kolkata- 700121



REGENT EDUCATION & RESEARCH FOUNDATION GROUP OF INSTITUTIONS

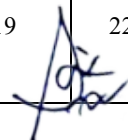
Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal
45	Effect of Zn incorporation on physical properties of quaternary $0.7\text{Se}-0.2\text{Ge}-(0.1-x)\text{Sb}-x\text{Zn}$ chalcogenide system: A theoretical 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
46	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
47	Multi-Objective Economic Environmental Dispatch of Variable Hydro-WindThermal Power System	S. K. Dey, D.P. Dash, M. Basu	EEE	International Journal of Applied Metaheuristic Computing	2021	1947-8291	https://www.igi-global.com/journals/open-access/table-of-contents/international-journal...computing/1139?v=12&iss=2
48	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
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
50	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
51	Characterization of tool wear in similar and dissimilar joints of MS and SS using EAFSW	Debtanu Patra	ME	Materials Today: Proceedings	2020	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings
52	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


Principal
Regent Education & Research Foundation
Bara Kanthalia, P.O. - Sewli Telinipara
Barrackpore, Kolkata- 700121



REGENT EDUCATION & RESEARCH FOUNDATION GROUP OF INSTITUTIONS

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal
53	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
54	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
55	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
56	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/
57	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/
58	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/
59	Economic Environmental Dispatch of Wind Integrated Thermal Power System	S. K. Dey, D.P. Dash, M. Basu	EEE	International Journal of Recent Technology and Engineering	2020	2277-3878	www.ijrte.org
60	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/


Principal
Regent Education & Research Foundation
Bara Kanthalia, P.O -Sewit Telinipara
Barrackpore, Kolkata- 700121



REGENT EDUCATION & RESEARCH FOUNDATION GROUP OF INSTITUTIONS

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to website of the Journal
61	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_TCE/
62	Automatic Language Identification using Basic Signal Class	Panchanan Suparna, Saha Arup, Datta Asoke Kr	ECE	Trends in Electrical Engineering	2019	2249-4774	https://engineeringjournal.sstmjournals.in/index.php/TEE/index
63	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
64	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
65	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
66	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
67	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

Principal
Regent Education & Research Foundation
Bara Kanthalia, P.O.-Sewli Telinipara
Barrackpore, Kolkata- 700121