3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years (15)

3.4.5.1: Number of research papers in the Journals notified on UGC website during the last five years

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 the Journal			Year wise number of research papers
							Link to website of the Journal	Link to article/paper /abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science /other, mention	
1	Catalase inhibition an anti cancer property of Flavonoids: A kinetic and structural evaluation	Debashis Majumder, Asmita Das and Chabita Saha*.	Renewable Energy Engineering	International Journal of Biological Macromolecules	2017	0141-8130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.sciencedirect.com/science/article/abs/pii/S0141813017315441?via%3Dihub	Yes-SCIE	41
2	Correlation of binding efficacies of DNA to flavonoids and their induced cellular damage	Asmita Das, Debashis Majumder, and Chabita Saha*.	Renewable Energy Engineering	Journal of Photochemistry and Photobiology B: Biology	2017	1011-1344	https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-b-biology	https://www.sciencedirect.com/science/article/abs/pii/S1011344173027 49?via%3Dihub	Yes-SCI	
3	Triangular Membership Function Based Real-time Gesture Monitoring System for Physical Disorder Detection	Sriparna Saha, Monalisa Pal and Amit Konar	Computer Science & Engineering	Computing and Visualization in Science, Springer	2017	1433-0369	https://link.springer.com/journal/791/volumes-and-issues	https://link.springer.com/article/10.1007/s00791-017-0281-y	Yes	
4	Phyto-assisted synthesis of bio-functionalised silver nanoparticles and their potential anti-oxidant, anti-microbial and wound healing activities	Mohanta, Y.K., Biswas, K., Panda, S.K., Bandyopadhyay, J., De, D., Jayabalan, R., Bastia, A.K. and Mohanta, T.K.	Dept. of Biotechnology	IET Nanobiotechnology	2017	1751-875X	https://ietresearch.onlinelibrary.wiley.com/journal/1751875X	DOI : https://doi.org/10.1049/iet-nbt.2017.0017	Yes	
5	A unique cysteine selective water soluble fluorescent probe operable in multiple sensing cycles for the detection of biogenic cysteine in multicellular living species	Das, S., Sarkar, Y., Majumder, R., Mukherjee, S., Bandyopadhyay, J., Ray, A. and Parui, P.P.	Dept. of Biotechnology	New Journal of Chemistry	2017	1144-0546	https://pubs.rsc.org/en/journals/journalissues/nj#!recentarticles&adv	https://doi.org/10.1039/C6NJ03291E	Yes	
6	Enhanced polarization, magnetic response and pronounced antibacterial activity of bismuth ferrite nanorods	Biswas, K., De, D., Bandyopadhyay, J., Dutta, N., Rana, S., Sen, P., Bandyopadhyay, S.K. and Chakraborty, P.K.	Dept. of Biotechnology	Materials Chemistry and Physics	2017	1751-875X	https://www.journals.elsevier.com/materials-chemistry-and-physics	https://doi.org/10.1016/j.matchemphys.2017.04.020	Yes	
7	Bandgap Engineering of Graphene Nanosheets Upon Heavily Doping with Silver Atoms	Biswas, K., Sinha, S., Shaw, S., Bandyopadhyay, J. and De, D.	Dept. of Biotechnology	Materials Focus (American Scientific Publishers)	2017	2169-4303	http://www.aspbs.com/mat/	DOI: https://doi.org/10.1166/mat.2017.1390	Yes	
8	Green-Route Mediated Synthesis of Silver Nano-Particles from Aegle marmelos and Evaluating Its Antimicrobial Activity	Singh, S., Biswas, K., Chowdhury, S., Mohanta, Y.K. and Bandyopadhyay, J.	Dept. of Biotechnology	Materials Focus (American Scientific Publishers)	2017	2169-4303	http://www.aspbs.com/mat/	DOI: https://doi.org/10.1166/mat.2017.1406	Yes	
9	Angle of deflection and time delay due to electromagnetic charged black hole	Dr. Banashree Sen	Dept of Applied Mathematics	Canadian Journal of Physics, 0008-4204, NRC Research Press	2017	1208-6045	https://cdnsciencepub.com/journal/cjp	https://doi.org/10.1139/cjp-2016-0818	Yes	
10	Design of binary subtractor using actin quantum cellular automata	Tapatosh Sadhu, Biplab Das, Debashis De, Jadav Chandra Das	IT	IET Nanobiotechnology	2017	1751-875X	https://ietresearch.onlinelibrary.wiley.com/journal/1751875x	https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-nbt.2017.0149	Yes	
11	Circuit switching with quantum-dot cellular automata	Jadav Chandra Das, Debashis De	IT	Nano Communication Networks	2017	1878-7789	https://www.sciencedirect.com/journal/nano-communication-networks	https://www.sciencedirect.com/science/article/abs/pii/S1878778917300376	Yes	
12	Nanocommunication network design using QCA reversible crossbar switch	Jadav Chandra Das, Debashis De	IT	Nano Communication Networks	2017	1878-7789	https://www.sciencedirect.com/journal/nano-communication-networks	https://www.sciencedirect.com/science/article/abs/pii/S187877891630028X#!	Yes	
13	Atbash cipher design for secure nanocommunication using QCA	Jadav Chandra Das, Debashis De	IT	Nanomaterials and Energy	2017	2045-9831	https://www.icevirtuallibrary.com/toc/jnaen/current	https://www.icevirtuallibrary.com/doi/abs/10.1680/jnaen.16.00001	Yes	
14	Design of novel carry save adder using quantum dot-cellular automata	Debashis De, Jadav Chandra Das	IT	Journal of Computational Science	2017	1877-7503	https://www.sciencedirect.com/journal/journal-of-computational-science	https://www.sciencedirect.com/science/article/abs/pii/S1877750317301722	Yes	
15	Reversible binary subtractor design using quantum dot-cellular automata	Jadav Chandra Das, Debashis De	IT	Frontiers of Information Technology & Electronic Engineering	2017	2095-9184	https://www.springer.com/journal/11714	https://link.springer.com/article/10.1631/FITEE.1600999	Yes	
16	Design of novel carry save adder using quantum dot-cellular automata	De, Debashis, and Jadav Chandra Das.	CSE	Journal of computational science	2017	1877-7503	https://www.sciencedirect.com/journal/journal-of-computational-science	https://www.sciencedirect.com/science/article/pii/S1877750317301722	Yes	
17	"Application-aware cloudlet selection for computation offloading in multi-cloudlet environment."	Roy, Deepsubhra Guha, Debashis De, Anwesha Mukherjee, and Rajkumar Buyya.	CSE	The Journal of Supercomputing	2017	1672-1690.	https://www.springer.com/journal/11227	https://idp.springer.com/authorize/casa?redirect_uri=https://link.springer.com/article/10.1007/s11227-016-1872-y&casa_token=TD8yH9Jx2gMAAAAA:T-2LIKxOqpRyLUCxNq5w_siGuX3p823UDLFaz3H9bR0dgkmA6ZTFxyy-boRVvQwwyVW_daAyKEVyfkk3	Yes	

18	A systematic review of wearable systems for cancer detection: current state and challenges.	Ray, Partha Pratim, Dinesh Dash, and Debashis De.	CSE	Journal of Medical Systems	2017	1573-689X	https://www.springer.com/journal/10916	https://idp.springer.com/authorize/casa?redirect_uri=https://link.springer.com/article/10.1007/s10916-017-0828-y&casa_token=xU9nJC-iidsAAAAA:UG3-bVrGcirblu_wH5WN-O7-rtDBaa0hmLxod-YCFntvnHtYcp-ICExwvLOvvV1Lbg6Awm9lzKkQnU7g	Yes
19	Time-based raga recommendation and information retrieval of musical patterns in Indian classical music using neural networks	Roy, Samarjit, Sudipta Chakrabarty, and Debashis De.	CSE	IAES International Journal of Artificial Intelligence	2017	2252-8938	https://ijai.iaescore.com/index.php/IJAI	https://icmacyfoundation.org/wp-content/uploads/2021/03/Time-Based-Raga-Recommendation-and-Information.pdf	Yes
20	Detection of ammonia and phosphine gas using heterojunction biomolecular chain with multilayer GaAs nanopore electrode.	Dey, Debarati, Pradipta Roy, and Debashis De.	CSE	Journal of Nanostructures	2017	2251-788X	https://jns.kashanu.ac.ir/	http://jns.kashanu.ac.ir/article_44855.html	Yes
21	"Atomic scale modeling of electrically doped pin FET from adenine based single wall nanotube.	Dey, Debarati, Pradipta Roy, and Debashis De.	CSE	Journal of Molecular Graphics and Modelling	2017	18734243	https://www.sciencedirect.com/journal/journal-of-molecular-graphics-and-modelling	https://www.sciencedirect.com/science/article/abs/pii/S1093326317301171	Yes
22	Cloud smoke sensing using iarp, ierp and zrp routing protocols for wireless senor network.	Alam, Sahabul, and Debashis De	CSE	CSI transactions on ICT	2017	2277-9086	https://www.springer.com/journal/40012	https://link.springer.com/article/10.1007/s40012-016-0143-7	Yes
23	"Modeling of Song Pattern Similarity using Coefficient of Variance."	Chakrabarty, Sudipta, Md Ruhul Islam, and Debashis De.	CSE	International Journal of Computer Science & Information Security	2017	1947-5500	https://sites.google.com/site/ijcsis/	https://www.academia.edu/31932007/Modeling_of_Song_Pattern_Similarity_using_Coefficient_of_Variance	Yes
24	Small cell zooming based green congestion control in mobile network.	Mukherjee, Anwesha, Priti Deb, and Debashis De.	CSE	CSI transactions on ICT	2017	2277-9086	https://www.springer.com/journal/40012	https://link.springer.com/article/10.1007/s40012-016-0141-9	Yes
25	Group handoff management in low power microcell-femtocell network.	De, Debashis, and Anwesha Mukherjee.	CSE	Digital Communications and Networks	2017	2468-5925	https://www.sciencedirect.com/journal/digital-communications-and-networks	https://www.sciencedirect.com/science/article/pii/S2352864816300852	Yes
26	Performance evaluation of tree based data aggregation for real time indoor environment monitoring using wireless sensor network	Ray, A., De, D.	CSE	Microsystem Technologies	2017	4307–4318	https://www.springer.com/journal/542	https://link.springer.com/article/10.1007/s00542-017-3339-3	Yes
27	"Radio frequency/analog and linearity performance of a junctionless double gate metal–oxide–semiconductor field-effect transistor."	Baral, Biswajit, Sudhansu Mohan Biswal, Debashis De, and Angsuman Sarkar.	CSE	Simulation	2017	1741-3133	https://journals.sagepub.com/home/SIM	https://journals.sagepub.com/doi/abs/10.1177/0037549717704308	Yes
28	"Study of indoor path loss computational models for femtocell based mobile network."	Deb, Priti, Anwesha Mukherjee, and Debashis De.	CSE	Wireless Personal Communications	2017	3031-3056	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s11277-017-3983-z	Yes
29	Optimized secondary user selection for quality of service enhancement of two-tier multi-user cognitive radio network: a game theoretic approach	A Roy, S Midya, K Majumder, S Phadikar, A Dasgupta	CSE	Computer Networks 123	2017	1389-1286	https://www.sciencedirect.com/journal/computer-networks	https://www.sciencedirect.com/science/article/abs/pii/S1389128617301949	Yes
30	Ids using reinforcement learning automata for preserving security in cloud environment	P Ghosh, M Bardhan, NR Chowdhury, S Phadikar	CSE	International Journal of Information System Modeling and Design (IJISMD)	2017	1947-8194	https://www.igi-global.com/journal/international-journal-information-system-modeling/1157	https://www.igi-global.com/article/ids-using-reinforcement-learning-automata-for-preserving-security-in-cloud-environment/205594	Yes
31	RECAL—A language identification system	H Mukherjee, A Dhar, S Phadikar, K Roy	CSE	2017 International Conference on Signal Processing and Communication (ICSPC)	2017	10.1109/CSPC.2017.8305857	https://ieeexplore.ieee.org/xpl/conhome/8302442/proceeding	https://ieeexplore.ieee.org/abstract/document/8305857	Yes
32	Identification of Disease Critical Genes Using Collective Meta-heuristic Approaches: An Application to Preeclampsia	Biswas S, Dutta S, Acharyya S	CSE	Interdisciplinary Sciences: Computational Life Sciences volume	2017	1913-2751	https://www.springer.com/journal/12539	https://link.springer.com/article/10.1007/s12539-017-0276-x	Yes
33	Identification of disease critical genes causing Duchenne muscular dystrophy (DMD) using computational intelligence	Surama Biswas & Sriyankar Acharyya	CSE	CSI Transactions on ICT	2017	2277-9078	https://www.springer.com/journal/40012	https://link.springer.com/article/10.1007/s40012-016-0131-y	No
34	Regulation of HepG2 Fat Metabolism by IL1β and IL1 Receptor Antagonist	Susmita Chandra	Food Science	Cancer Research Journal 2017; 5(4): 24-34	2017	ISSN: 2330-8214 doi: 10.11648/j.crj.20170504.11	http://www.sciencepublishinggroup.com/j/crj	https://www.sciencepublishinggroup.com/journal/paperinfo?journalid=158&doi=10.11648/j.crj.20170504.11	Yes

35	Application-aware cloudlet selection for computation offloading in multi-cloudlet environment	Deepsubhra Guha Roy, D De, A Mukherjee, R Buyya,	IT	The Journal of Supercomputing	2017	1573-0484	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-016-1872-y	Yes-SCI	
36	Sonochemical syntheses of iron doped zinc oxide nanoparticles at different sonication powers and temperatures with their application for photocatalytic degradation of PVC-ZnO composite film	Anirban Roy, Saikat Maitra, Sampa Chakrabarti	Materials Science & Technology	International Journal of Nanoparticles	2018	1753-2515	https://www.inderscience.com/jhome.php?jcode=ijnp	https://www.inderscience.com/info/inarticle.php?artid=94040	Yes-Scopus	
37	Interaction of flavonols with human serum albumin: A biophysical study showing structure-activity relationship and enhancement when coated on silver nanoparticles	Pratyusa Das, Sunil Kumar Chaudhari, Asmita Das, Somashree Kundu and Chabita Saha*	Renewable Energy Engineering	Journal of Biomolecular Structure and Dynamics	2018	1538-0254	https://www.tandfonline.com/journals/tbsd20	https://www.tandfonline.com/doi/full/10.1080/07391102.2018.1462732	Yes-SCI	
38	Metal to semiconductor conversion by hydrogenation in guanine functionalized SWCNT	Sinha S. and Bandyopadhyay J.	Dept. of Biotechnology	Microsystem Technologies	2018	0946-7076	https://www.springer.com/journal/542	https://doi.org/10.1007/s00542-018-3723-7	Yes	
39	Differential antibacterial response exhibited by graphene nanosheets toward gram-positive bacterium Staphylococcus aureus	Biswas, K., De, D., Bandyopadhyay, J. and Sen, P.	Dept. of Biotechnology	IET Nanobiotechnology	2018	1751-875X	https://ietresearch.onlinelibrary.wiley.com/journal/1751875X	DOI: 10.1049/iet-nbt.2017.0200	Yes	
40	Multi-functional neuroprotective activity of neohesperidin dihydrochalcone: A novel scaffold for Alzheimer's disease therapeutics identified via drug repurposing screen	Chakraborty, S., Rakshit, J., Bandyopadhyay, J.* and Basu, S.	Dept. of Biotechnology	New Journal of Chemistry	2018	1144-0546	https://pubs.rsc.org/en/journals/journalissues/nj#!recentarticles&adv	DOI: 10.1039/c8nj00853a	Yes	
41	A computational study on the quantum transport properties of silicene–graphene nano-composites	Biswas, K., Bandyopadhyay, J. and De, D.	Dept. of Biotechnology	Microsystem Technologies	2018	0946-7076	https://www.springer.com/journal/542	DOI: https://doi.org/10.1007/s00542-018-3726-4	Yes	
42	Abutilon indicum (L.) Sweet Leaf Extracts Assisted Bio-Inspired Synthesis of Electronically Charged Silver Nano-Particles with Potential Antimicrobial, Antioxidant and Cytotoxic Properties	Mohanta, Y.K., Biswas, K., Bandyopadhyay, J., Tamang, A., De, D., Mohanta, D., Panda, S.K., Jayabalan, R., Mohanta, T.K. and Bastia, A.K.	Dept. of Biotechnology	Materials Focus (American Scientific Publishers)	2018	2169-4303	http://www.aspbs.com/mat/	DOI: https://doi.org/10.1166/mat.2018.1484	Yes	**39**
43	Conductivity Modulation of SWCNT by Its Sidewall Functionalization Through Heavily Doping with DNA Nucleobase Adenine	Sinha, S., Biswas, K., Shaw, S., De, D., Sarkar, A. and Bandyopadhyay, J.	Dept. of Biotechnology	Materials Focus (American Scientific Publishers)	2018	2169-4303	http://www.aspbs.com/mat/	DOI: https://doi.org/10.1166/mat.2018.1485	Yes	
44	Existence of wormhole supported by the Einasto density profile	Dr. Banashree Sen	Dept of Applied Mathematics	Canadian Journal of Physics, 0008-4204, NRC Research Press	2018	1208-6045	https://cdnsciencepub.com/journal/cjp	https://doi.org/10.1139/cjp-2017-0524	Yes	
45	QCA based design of Polar encoder circuit for nano communication network	Jadav Chandra Das, Debashis De	IT	Nano Communication Networks	2018	1878-7789	https://www.sciencedirect.com/journal/nano-communication-networks	https://www.sciencedirect.com/science/article/abs/pii/S1878778918300346#!	Yes	
46	Design of single layer banyan network using quantum-dot cellular automata for nanocommunication	Jadav Chandra Das, Debashis De	IT	optik	2018	0030-4026	https://www.sciencedirect.com/journal/optik	https://www.sciencedirect.com/science/article/abs/pii/S003040261831091X	Yes	
47	Qca based secure nanocommunication block cipher design based on electronic code book	Jadav Chandra Das, Debashis De	IT	Malaysian Journal of Computer Science	2018	0127-9084	https://ejournal.um.edu.my/index.php/MJCS	https://ejournal.um.edu.my/index.php/MJCS/article/view/11639	Yes	
48	Design of Reversible Fingerprint Authenticator Circuit using Quantum-Dot Cellular Automata (QCA)	Bikash Debnath, Jadav Chandra Das, Debashis De	IT	Journal of Active & Passive Electronic Devices	2018	1555-0281	https://www.oldcitypublishing.com/journals/japed-home/	https://web.s.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=15550281&AN=130956681&h=iUWERzXN%2feJwR2VqaowP%2fvVU96qGZzglVpghuyxDxP%2b53ktS6Urs9xyBNSSOxaJMjF%2fOfI00K8Ck7UhrsVLBwg%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d15550281%26AN%3d130956681	Yes	

49	Irreversible thermodynamics of the universe with interacting; modified Chaplygin gas as dark energy	Atreyee Biswas	Applied Mathematics	Astrophysics and Space Science	2018	0004-640X	https://www.springer.com/journal/10509	https://link.springer.com/article/10.1007/s10509-018-3425-8	Yes
50	Internet of Things (IoT) for Smart Precision Agriculture and Farming in Rural Areas	N. Ahmed, D. De and I. Hussain	CSE	IEEE Internet of Things Journal	2018	4890-4899	https://ieeexplore.ieee.org/xpl/aboutJournal.jsp?punumber=6488907	https://ieeexplore.ieee.org/abstract/document/8521668	Yes
51	C2OF2N: a low power cooperative code offloading method for femtolet-based fog network	Mukherjee, Anwesha, Priti Deb, Debashis De, and Rajkumar Buyya.	CSE	The Journal of Supercomputing	2018	2412-2448	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-018-2269-x	Yes
52	"Internet of Things (IoT) for smart precision agriculture and farming in rural areas.	Ahmed, Nurzaman, Debashis De, and Iftekhar Hussain.	CSE	IEEE Internet of Things Journal	2018	4890-4899	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6488907	https://ieeexplore.ieee.org/abstract/document/8521668	Yes
53	Internet of Music Things: an edge computing paradigm for opportunistic crowdsensing	Roy, Samarjit, Dhiman Sarkar, Sourav Hati, and Debashis De.	CSE	The Journal of Supercomputing	2018	6069-6101	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-018-2511-6	Yes
54	Application-aware end-to-end delay and message loss estimation in Internet of Things (IoT)—MQTT-SN protocols	Roy, Deepsubhra Guha, Bipasha Mahato, Debashis De, and Rajkumar Buyya.	CSE	Future Generation Computer Systems	2018	0167-739X	https://www.sciencedirect.com/journal/future-generation-computer-systems	https://www.sciencedirect.com/science/article/pii/S0167739X17329990	Yes
55	Analysis of power consumption and delay of an inverter circuit using TMJLSRG MOSFET for the design of digital integrated circuit.	Bari, Surajit, and Debashis De.	CSE	International Journal of Nanoparticles	2018	1753-2515	https://www.inderscienceonline.com/journal/ijnp	https://www.inderscienceonline.com/doi/abs/10.1504/IJNP.2018.092682	Yes
56	Design of a low cost and novel Naive Bayes classifier based NodeMCU web server for fever type detection	Ray, Partha Pratim, Dinesh Dash, and Debashis De.	CSE	Biomedical Research	2018	2500-2503	https://www.alliedacademies.org/biomedical-research/	https://www.alliedacademies.org/articles/design-of-a-low-cost-and-novel-naive-bayes-classifier-based-nodemcu-web-server-for-fever-type-detection-10488.html	Yes
57	"Planar fault-tolerant quantum cellular automata full adder."	Purkayastha, Tamoghna, Tanay Chattopadhyay, and Debashis De.	CSE	Nanomaterials and Energy 7, no. 1 (2018): 9-15.	2018	2045-984X	https://www.icevirtuallibrary.com/toc/jnaen/current	https://www.icevirtuallibrary.com/doi/abs/10.1680/jnaen.17.00007	NA
58	Multi-objective optimization technique for resource allocation and task scheduling in vehicular cloud architecture: A hybrid adaptive nature inspired approach	S Midya, A Roy, K Majumder, S Phadikar	CSE	Journal of Network and Computer Applications 103	2018	10848045, 10958592	https://www.sciencedirect.com/journal/journal-of-network-and-computer-applications	https://www.sciencedirect.com/science/article/abs/pii/S1084804517303958	Yes
59	Line spectral frequency-based features and extreme learning machine for voice activity detection from audio signal	H Mukherjee, S Obaidullah, KC Santosh, S Phadikar, K Roy	CSE	International Journal of Speech Technology 21 (4)	2018	1572-8110	https://www.springer.com/journal/10772	https://link.springer.com/article/10.1007/s10772-018-9525-6	Yes
60	A novel system for generating simple sentences from complex and compound sentences	B Das, M Majumder, S Phadikar	CSE	International Journal of Modern Education and Computer Science 11 (1)	2018	2075-017X	https://www.mecs-press.org/ijmecs/	https://www.mecs-press.org/ijmecs/ijmecs-v10-n1/IJMECS-V10-N1-6.pdf	Yes
61	MISNA-A musical instrument segregation system from noisy audio with LPCC-S features and extreme learning	H Mukherjee, SM Obaidullah, S Phadikar, K Roy	CSE	Multimedia Tools and Applications 77 (21)	2018	27997-28022	https://www.springer.com/journal/11042	https://link.springer.com/article/10.1007/s11042-018-5993-6	Yes
62	Importance of Thermal Features in the Evaluation of Bacterial Blight in Rice Plant	I Bhakta, S Phadikar, K Majumder	CSE	Annual Convention of the Computer Society of India	2018	DOI: 10.1007/978-981-13-1343-1_27	https://www.springer.com/series/7899	https://link.springer.com/chapter/10.1007/978-981-13-1343-1_27	Yes
63	Complete Genome Sequence of Thermoanaerobacterium sp. Strain RBIITD, a Butyrate- and Butanol-Producing Thermophile	Biswas R et al.	Biotechnology	Microbiology Resource Announcements® (MRA)	2018	Online ISSN: 2576-098X	https://journals.asm.org/doi/full/10.1128/genomeA.01411-17	https://journals.asm.org/doi/full/10.1128/genomeA.01411-17	Web of Science
64	Dietary Nano Particle—The Food Safety Perspectives	Susmita Chandra and S K Dey	Food Science	International Journal of Food and Nutrition Science	2018	e-ISSN 2320 -7876	www.ijfans.com	https://www.ijfans.org/uploads/paper/d154759acfb783fee361c3386f5e6cc9.pdf	Yes
65	Application-aware end-to-end delay and message loss estimation in Internet of Things (IoT)—MQTT-SN protocols	Deepsubhra Guha Roy, Bipasha Mahato, D De, R Buyya	IT	Future Generation Computer Systems	2018	0167-739X	https://www.sciencedirect.com/journal/future-generation-computer-systems	https://www.sciencedirect.com/science/article/abs/pii/S0167739X17329990?via%3Dihub	Yes-SCIE
66	Physicochemical characterization of dual action liposomal formulations: anticancer and antimicrobial	Das A, Konyak P. M, Das A, Dey S. K., Saha C*	Renewable Energy Engineering	Heliyon	2019	2405-8440	https://www.sciencedirect.com/journal/heliyon	https://pubmed.ncbi.nlm.nih.gov/31497672/	Yes-ESCI
67	Wnt Signaling: Pathogen Incursion and Immune Defense	Jati S, Sarraf TR, Naskar D*, Malini Sen	Dept. of Biotechnology	Frontiers in Immunology	2019	1664-3224	https://www.frontiersin.org/journals/immunology	https://www.frontiersin.org/articles/10.3389/fimmu.2019.02551/full	Yes

68	Iron induced apoptotic cell death and autophagy dysfunction in human neuroblastoma cell line SH-SY5Y	Jyotirmoy Rakshit, Arijit Mallick, Susmita Roy, Arpita Sarbajna, Moumita Dutta, Jaya Bandyopadhyay	Dept. of Biotechnology	Biological Trace Element Research Springer (DOI: 10.1007/s12011-019-01679-6)	2019	1559-0720	https://www.springer.com/journal/12011	(DOI: 10.1007/s12011-019-01679-6)	Yes	
69	Glutathione selective "off-on" fluorescence response by probe displaced modified ligand for its detection in biological domain	Sanju Das, Yeasmin Sarkar, Snigdha Roy, Rini Majumder, Tanaya Paul, Jaya Bandyopadhyay, Ambarish Ray, and Partha Pratim Parui	Dept. of Biotechnology	New Journal of Chemistry (DOI 10.1039/C8NJ05784B)	2019	1144-0546	https://pubs.rsc.org/en/journals/journalissues/nj#!recentarticles&adv	(DOI 10.1039/C8NJ05784B)	Yes	
70	UNSTEADY MHD MICROPOLAR FLUID IN A STRETCHING SHEET OVER AN INCLINED PLATE WITH THE EFFECT OF NON-LINEAR THERMAL RADIATION AND SORET-DUFOUR	S. Mishra H. Mondal,P.K.Kundu,P. Sibanda	Dept. of Applied Mathematics	Journal of Thermal Engineering	2019	2148-7847	https://dergipark.org.tr/en/pub/thermal	https://dergipark.org.tr/en/pub/thermal/issue/49381/654344	Yes	
71	Mathematical modeling of compact anisotropic relativistic fluid spheres in higher spacetime dimension	Banashree Sen, Theophanes Grammenos, Piyali Bhar, Farook Rahaman	Dept of Applied Mathematics	Mathematical Methods in the Applied Sciences	2019	1099-1476	https://onlinelibrary.wiley.com/journal/10991476	https://doi.org/10.1002/mma.4128	Yes	
72	Silybin-conjugated gold nanoparticles for antimicrobial chemotherapy against Gram-negative bacteria	German A.Islan, Suvadra Das,Maximiliano L.Cacicedo, Asim Halder,Asmita Mukherjee,María Luján Cuestas, Partha Roy, Guillermo R.Castro, Arup Mukherjee,	Department of Biotechnology	Journal of Drug Delivery Science and Technology	2019	1773-2247	https://www.sciencedirect.com/journal/journal-of-drug-delivery-science-and-technology	https://www.sciencedirect.com/science/article/pii/S1773224719305453	Yes	
73	Biopolymer nanoparticle surface chemistry dictates the nature and extent of protein hard corona	Aalok Basu,Sonia Kundu, Chitra Basu, Sumanta Kumar Ghosh, Runa Sur, Arup Mukherjeea	Departemnet of Biotechnology	Journal of Molecular Liquids	2019	0167-7322	https://www.sciencedirect.com/journal/journal-of-molecular-liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732218344155	Yes	
74	Design and simulation of priority based dual port memory in quantum dot cellular automata	KunalDas, Arindam Sadhu, Debashis, De, Jadav Chandra Das	IT	Microprocessors and Microsystems	2019	0141-9331	https://www.sciencedirect.com/journal/microprocessors-and-microsystems	https://www.sciencedirect.com/science/article/abs/pii/S0141933117304684#!	Yes	
75	QCA based error detection circuit for nano communication network	Jadav Chandra Das, Debashis De, Sankar Prasad Mondal, Ali Ahmadian, Ferial Ghaemi, Norazak Senu	IT	*IEEE Access*	2019	2169-3536	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6287640	https://ieeexplore.ieee.org/abstract/document/8718600	Yes	
76	Interaction landscape of a 'CaNN' motif with arsenate and arsenite: a potential peptide-based scavenger of arsenic	Subhankar Sahu, Tridip Sheet and Raja Banerjee*	Biotechnology	RSC Advances	2019	2046-2069	https://pubs.rsc.org/en/journals/journalissues/ra#!issueid=ra012051&type=current&issnonline=2046-2069	https://pubs.rsc.org/en/content/articlelanding/2019/ra/c8ra08225a	Yes	
77	Functional data analysis to explore platelet aggregation - a systems approach.	Souvik K Bandyopadhyay; Anjan K Dasgupta; Bhaswati Ganguli; Sugata SenRoy; Suryyani Deb.	Biotechnology	Frontiers in Bioengineering and Biotechnology	2019	ISSN: 2296-4185	https://www.dovepress.com/vascular-health-and-risk-management-journal	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4340464/	Yes	
78	Rational nanotoolbox with theranostic potential for medicated pro-regenerative corneal implants.	Hirak K. Patra, Mohammad Azharuddin, Mohammad M. Islam, Georgia Papapavlou, Suryyani Deb, Johannes Osterrieth, Geyunjian Harry Zhu, Thobias Romu, Ashis K. Dhara, Mohammad J. Jafari, Amineh Gadheri, Jorma Hinkula, Madhavan S Rajan, Nigel K. H. Slater.	Biotechnology	Advance Functional Material	2019	ISSN: 1616-3028	https://onlinelibrary.wiley.com/journal/16163028	https://onlinelibrary.wiley.com/doi/full/10.1002/adfm.201903760	Yes	
79	Irreversible Thermodynamics of Universe in f(R) Gravity	Atreyee Biswas	Applied Mathematics	Journal of Astrophysics and Astronomy	2019	0250-6335 ; 0973-7758	https://www.springer.com/journal/12036/	https://link.springer.com/article/10.1007/s12036-019-9609-y	Yes	
80	Mobility-aware task delegation model in mobile cloud computing.	Anwesha Mukherjee, DeepsubhraGuha Roy, Debashis De	CSE	The Journal of Supercomputing 01/2019; 75(18).	2019	1573-0484	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-018-02729-x	Yes	
81	E2R-F2N: Energy-efficient retailing using a femtolet-based fog network.	Anwesha Mukherjee, Debashis De, RajkumarBuyya	CSE	Software Practice and Experience	2019	1097-024X	https://onlinelibrary.wiley.com/journal/1097024x	https://onlinelibrary.wiley.com/doi/abs/10.1002/spe.2673	Yes	**75**
82	State-of-the-art technologies in precision agriculture: a systematic review	I Bhakta, S Phadikar, K Majumder	CSE	Journal of the Science of Food and Agriculture 99 (11)	2019	4878-4888	https://onlinelibrary.wiley.com/journal/10970010	https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.9693	Yes	
83	CS-PSO based intrusion detection system in cloud environment	P Ghosh, A Karmakar, J Sharma, S Phadikar	CSE	Emerging Technologies in Data Mining and Information Security	2019	2194-5365	https://link.springer.com/book/10.1007/978-981-13-1951-8	https://link.springer.com/chapter/10.1007/978-981-13-1951-8_24	Yes	
84	Deep learning for spoken language identification: Can we visualize speech signal patterns?	H Mukherjee, S Ghosh, S Sen, O Sk Md, KC Santosh, S Phadikar, K Roy	CSE	Neural Computing and Applications 31 (12)	2019	8483-8501	https://www.springer.com/journal/521	https://link.springer.com/article/10.1007/s00521-019-04468-3	Yes	

85	Automatic generation of fill-in-the-blank question with corpus-based distractors for e-assessment to enhance learning	B Das, M Majumder, S Phadikar, AA Sekh	CSE	Computer Applications in Engineering Education 27 (6)	2019	1485-1495	https://onlinelibrary.wiley.com/journal/10990542	https://onlinelibrary.wiley.com/doi/abs/10.1002/cae.22163	Yes
86	Enhancing QoS in 5th generation Het-Net via synergistic TVWS spectrum sharing for distributed adaptive small cells	A Roy, S Midya, K Majumder, S Phadikar	CSE	Physical Communication 36	2019	https://doi.org/10.1016/j.phycom.2019.100760	https://www.sciencedirect.com/journal/physical-communication	https://www.sciencedirect.com/science/article/abs/pii/S1874490719300771	Yes
87	Segregating musical chords for automatic music transcription: a LSTM-RNN approach	H Mukherjee, A Dhar, S Obaidullah, KC Santosh, S Phadikar, K Roy	CSE	International Conference on Pattern Recognition and Machine Intelligence	2019	DOI: 10.1007/978-3-030-34872-4_47	https://link.springer.com/book/10.1007/978-3-030-34872-4	https://link.springer.com/chapter/10.1007/978-3-030-34872-4_47	Yes
88	Circuit Level Modeling of Electrically Doped Adenine–Thymine Nanotube Based Field Effect Transistor	Dey, D., De, D., Ghaemi, F., Ahmadian, A., & Abdullah, L. C.	CSE	IEEE Access	2019	ISSN 2169-3536	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6287639	https://ieeexplore.ieee.org/document/8946542	Yes-Scopus
89	Mobility-aware task delegation model in mobile cloud computing	Anwesha Mukherjee, DeepsubhraGuha Roy, Debashis De	CSE	The Journal of Supercomputing	2019	DOI:10.1007/s11227-018-02729-x	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-018-02729-x	Yes-SCI
90	Real-time event-driven sensor data analytics at the edge-Internet of Things for smart personal healthcare	Ray, P. P., Dash, D., & De, D.	CSE	The Journal of Supercomputing	2019	https://doi.org/10.1007/s11227-019-03089-w	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-019-03089-w	Yes-SCI
91	Nanoscale cryptographic architecture design using quantum-dot cellular automata	Debnath, B., Das, J. C., & De, D.	CSE	Frontiers of Information Technology & Electronic Engineering	2019	https://doi.org/10.1631/FITEE.1800458	https://www.springer.com/journal/11714/	https://link.springer.com/article/10.1631/FITEE.1800458	Yes-SCIE
92	i Sleep: thermal entropy aware intelligent sleep scheduling algorithm for wireless sensor network	Banerjee, P. S., Mandal, S. N., De, D., &Maiti, B.	CSE	Microsystem Technologies	2019	https://doi.org/10.1007/s00542-019-04706-7	https://www.springer.com/journal/542	https://link.springer.com/article/10.1007/s00542-019-04706-7	Yes-SCIE
93	IoT-F2N: An energy-efficient architectural model for IoT using Femtolet-based fog network	Mukherjee, A., Deb, P., De, D., &Buyya, R	CSE	The Journal of Supercomputing	2019	https://doi.org/10.1007/s11227-019-02928-0	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-019-02928-0	Yes-SCIE
94	QoS-aware secure transaction framework for internet of things using blockchain mechanism	Roy, D. G., Das, P., De, D., &Buyya, R.	CSE	Journal of Network and Computer Applications	2019	https://doi.org/10.1016/j.jnca.2019.06.014	https://www.sciencedirect.com/journal/journal-of-network-and-computer-applications	https://www.sciencedirect.com/science/article/abs/pii/S108480451930219X	Yes-SCIE
95	Practical Implementation of Femtolet Based Peer-to-Peer Network	Roy, D. G., Mukherjee, A., De, D., &Srirama, S. N.	CSE	Wireless Personal Communications	2019	https://doi.org/10.1007/s11277-019-06534-4	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s11277-019-06534-4	Yes-Scopus
96	An energy-aware multi-sensor geo-fog paradigm for mission critical applications	Mishra, M., Roy, S. K., Mukherjee, A., De, D., Ghosh, S. K., & Buyya, R.	CSE	Journal of Ambient Intelligence and Humanized Computing,	2019	https://doi.org/10.1007/s12652-019-01481-1	https://www.springer.com/journal/12652	https://link.springer.com/article/10.1007/s12652-019-01481-1	Yes-SCIE
97	A Systematic Review and Implementation of IoT-Based Pervasive Sensor-Enabled Tracking System for Dementia Patients	Ray, P. P., Dash, D., & De, D.	CSE	Journal of medical systems	2019	DOI: 10.1007/s10916-019-1417-z	https://www.springer.com/journal/10916	https://pubmed.ncbi.nlm.nih.gov/31317281/	Yes-Scopus
98	Bio-inspired smog sensing model for wireless sensor networks based on intracellular signalling	Alam, S., & De, D.	CSE	Information Fusion	2019	https://doi.org/10.1016/j.inffus.2018.09.005	https://www.sciencedirect.com/journal/information-fusion	https://www.sciencedirect.com/science/article/abs/pii/S1566253517306218	Yes-Scopus
99	Power analysis attack resistable hardware cryptographical circuit design using reversible logic gate in quantum cellular automata	Pain, P., Das, K., Sadhu, A., Kanjilal, M. R., & De, D.	CSE	Microsystem Technologies	2019	https://doi.org/10.1007/s00542-019-04581-2	https://dl.acm.org/toc/mite/2022/28/3	https://dl.acm.org/doi/abs/10.1007/s00542-019-04581-2	Yes-Scopus
100	An unconventional Arithmetic Logic Unit design and computing in Actin Quantum Cellular Automata	Das, B., Paul, A. K., & De, D.	CSE	Microsystem Technologies	2019	10.1007/s00542-019-04590-1	https://www.springer.com/journal/542	https://link.springer.com/article/10.1007/s00542-019-04590-1	Yes-Scopus
101	Novel implementation of IoT based non-invasive sensor system for real-time monitoring of intravenous fluid level for assistive e-healthcare	Partha Pratim Ray, Nishant Thapa, Dinesh Dash, Debashis De	CSE	Circuit World	2019	https://doi.org/10.1108/CW-01-2019-0008	https://www.emerald.com/insight/publication/issn/0305-6120	https://www.emerald.com/insight/content/doi/10.1108/CW-01-2019-0008/full/html	Yes-Scopus
102	Performance assessment of new dual-pocket vertical heterostructure tunnel FET-based biosensor considering steric hindrance issue	Bhattacharyya, A., Chanda, M., & De, D.	CSE	IEEE Transactions on Electron Devices	2019	10.1109/TED.2019.2928850	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=16	https://ieeexplore.ieee.org/document/8782138	Yes-SCI
103	Analysis and monitoring of IoT-assisted human physiological galvanic skin responsefactor for smart e-healthcare	Ray, P. P., Dash, D., & De, D.	CSE	Sensor Review	2019	https://doi.org/10.1108/SR-07-2018-0181	https://www.emerald.com/insight/publication/issn/0260-2288	https://www.emerald.com/insight/content/doi/10.1108/SR-07-2018-0181/full/html	Yes-Scopus

104	Disjunctive representation of triangular bipolar neutrosophic numbers, de-bipolarization technique and application in multi-criteria decision-making problems	Chakraborty, A., Mondal, S. P., Alam, S., Ahmadian, A., Senu, N., De, D., &Salahshour, S.	CSE	Symmetry	2019	https://doi.org/10.3390/sym11070932	https://www.mdpi.com/journal/symmetry	https://www.mdpi.com/2073-8994/11/7/932	Yes-Scopus
105	DNA sequence compression using RP/GP 2 method with information storage and security.	Hossein, S. M., De, D., &Mohapatra, P. K. D.	CSE	Microsystem Technologies	2019	https://doi.org/10.1007/s00542-019-04481-5	https://www.springer.com/journal/542	https://link.springer.com/article/10.1007/s00542-019-04481-5	Yes-SCIE
106	WmA-MiFN: A weighted majority and auction game based green ultra-dense micro-femtocell network system	Mukherjee, A., Deb, P., De, D., & Obaidat, M. S.	CSE	IEEE Systems Journal	2019	10.1109/JSYST.2019.2911977	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=4267003	https://ieeexplore.ieee.org/abstract/document/8716517	Yes-SCI
107	Computational Investigation of Quantum Transport to Design Single-Strand DNA Logic Gate Using Silicon Carbide Nanotube Electrode	Roy, P., Dey, D., & De, D.	CSE	IETE Journal of Research	2019	https://doi.org/10.1080/03772063.2019.1604171	https://www.tandfonline.com/journals/tijr20	https://www.tandfonline.com/doi/abs/10.1080/03772063.2019.1604171?journalCode=tijr20	Yes-SCI
108	Service aware resource management into cloudlets for data offloading towards IoT	Roy, D. G., Mahato, B., Ghosh, A., & De, D	CSE	Microsystem Technologies	2019	https://doi.org/10.1007/s00542-019-04450-y	https://www.springer.com/journal/542	https://link.springer.com/article/10.1007/s00542-019-04450-y	Yes-SCIE
109	Energy and spectrum optimization for 5G massive mimo cognitive femtocell based mobile network using auction game theory	Ghosh, S., De, D., & Deb, P.	CSE	Wireless Personal Communications	2019	https://doi.org/10.1007/s11277-019-06179-3	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s11277-019-06179-3	Yes-SCIE
110	A computational study on the quantum transport properties of silicene–graphene nano-composites.	Biswas, K., Bandyopadhyay, J., & De, D.	CSE	Microsystem Technologies	2019	https://doi.org/10.1007/s00542-018-3726-4	https://www.springer.com/journal/542	https://link.springer.com/article/10.1007/s00542-018-3726-4	Yes-SCIE
111	Simulation and comparative study on analog/RF and linearity performance of III–V semiconductor-based staggered heterojunction and InAs nanowire (nw) Tunnel FET	Biswal, S. M., Baral, B., De, D., & Sarkar, A.	CSE	Microsystem Technologies	2019	10.1007/s00542-017-3642-z	https://www.springer.com/journal/542	https://dl.acm.org/doi/abs/10.1007/s00542-017-3642-z	Yes-SCIE
112	Design of low power, high speed 4 bit binary to Gray converter with 8 × 4 barrel shifter using nano dimensional MOS transistor for arithmetical, logical and telecommunication circuit and system application	Surajit Bari, Debashis De & Angsuman Sarkar	CSE	Microsystem Technologies	2019	https://doi.org/10.1007/s00542-017-3435-4	https://www.springer.com/journal/542	https://link.springer.com/article/10.1007/s00542-017-3435-4	Yes-SCIE
113	Design of Green Smart Room Using Fifth Generation Network Device Femtolet	Debashis De &	CSE	Wireless Personal Communications	2019	https://doi.org/10.1007/s00542-017-3435-4	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s00542-017-3435-4	Yes-SCIE
114	Electronic transport properties of electrically doped cytosine-based optical molecular switch with single-wall carbon nanotube electrodes	Angsuman Sarkar	CSE	IET Nanobiotechnology	2019	https://doi.org/10.1049/iet-nbt.2018.5375	https://ietresearch.onlinelibrary.wiley.com/journal/1751875x	https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-nbt.2018.5375	Yes-SCI
115	Internet of things-based real-time model study on e-healthcare: Device, message service and dew computing	Ray, P. P., Dash, D., & De, D.	CSE	Computer Networks	2019	https://doi.org/10.1016/j.comnet.2018.12.006	https://www.sciencedirect.com/journal/computer-networks	https://www.sciencedirect.com/science/article/abs/pii/S1389128618304973	Yes-Scopus
116	The Pentagonal Fuzzy Number: Its Different Representations, Properties, Ranking, Defuzzification and Application in Game Problems	Chakraborty, A., Mondal, S. P., Alam, S., Ahmadian, A., Senu, N., De, D., &Salahshour, S.	CSE	Symmery	2019	https://doi.org/10.3390/sym11020248	https://www.mdpi.com/journal/symmetry	https://www.mdpi.com/2073-8994/11/2/248	Yes-Scopus
117	Mobility-aware task delegation model in mobile cloud computing.	Mukherjee, A., Roy, D. G., & De, D.	CSE	The Journal of Supercomputing	2019	https://doi.org/10.1007/s11227-018-02729-x	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-018-02729-x	Yes-SCIE
118	Bio-inspired innovative green fault recovery modelling for macro-femtocell mobile network	Hati, S., De, D., & Mukherjee, A.	CSE	International Journal of Bio-Inspired Computation	2019	10.1504/IJBIC.2019.10025280	https://www.inderscience.com/jhome.php?jcode=ijbic	https://www.inderscience.com/info/inarticle.php?artid=103602	Yes-Scopus
119	Repository and Mutation based Particle Swarm Optimization (RMPSO): A new PSO variant applied to reconstruction of Gene Regulatory Network	BiswajitJana, SumanMitra & SriyankarAcharyya	CSE	Applied Soft Computing	2019	1568-4946	https://www.sciencedirect.com/journal/applied-soft-computing	https://www.sciencedirect.com/science/article/abs/pii/S1568494618305441	Yes

120	A Bi-Objective RNN Model to Reconstruct Gene Regulatory Network: A Modified Multi-Objective Simulated Annealing Approach	Surama Biswas; Sriyankar Acharyya	CSE	IEEE/ACM Transactions on Computational Biology and Bioinformatics	2019	1545-5963	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8857	https://ieeexplore.ieee.org/abstract/document/8100952?casa_token=xBnMUj5C2p0AAAAA:MA5XWQWaJDJpVX8N9afor1BBEb_AkqcXPpf2qsuj7bUumiIWXgAlCWqTSyM9wVv3Z4Qlswam16xmjw	Yes
121	Curbing Consumption by the Wealthy for Managing Environmental Impact: The Scenario and Road Ahead for Marketers	Shreyo Sadhu & Sujit Mukherjee	Management	THINK INDIA, Vol-22-Issue-10	2019	ISSN: 0971-1260	https://thinkindiaquarterly.org/index.php/think-india/	https://thinkindiaquarterly.org/index.php/think-india/article/view/11801	Yes
122	Impact of Demographic Factors on the Determinants of Purchase Intention toward Fashion Apparels among College Students	Dibyendu Chattaraj & Sujit Mukherjee	Management	History Research Journal, Vol. 5, Issue 6	2019	ISSN : 0976 – 5425	https://thematicsjournals.org/index.php/hrj/index	https://thematicsjournals.org/index.php/hrj/article/view/11941	Yes
123	Service aware resource management into cloudlets for data offloading towards IoT	Deepsubhra Guha Roy, Bipasha Mahato, A Ghosh, D De	IT	Microsystem Technologies	2019	1432-1858	https://www.springer.com/journal/542/	https://link.springer.com/article/10.1007/s00542-019-04450-y	Yes-SCI
124	Mobility-aware task delegation model in mobile cloud computing	A Mukherjee, Deepsubhra Guha Roy, D De,	IT	The Journal of Supercomputing	2019	1573-0485	https://www.springer.com/journal/11228	https://link.springer.com/article/10.1007/s11227-018-02729-x	Yes-SCI
125	Practical implementation of Femtolet based Peer-to-Peer network	D Guha Roy, A Mukherjee, D De	IT	SN Srirama, Wireless Personal Communications	2019	1572-834X	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s11277-019-06534-4	Yes-SCIE
126	QoS-aware secure transaction framework for internet of things using blockchain mechanism	DG Roy, P Das, D De, R Buyya	IT	Journal of Network and Computer Applications	2019	10848045/ 10958592	https://www.sciencedirect.com/journal/journal-of-network-and-computer-applications	https://www.sciencedirect.com/science/article/abs/pii/S108480451930219X	Yes-SCIE
127	Edge computing for Internet of Things: A survey, e-healthcare case study and future direction	Ray, P. P., Dash, D., & De, D.	CSE	Journal of Network and Computer Applications	2019	https://doi.org/10.1016/j.jnca.2019.05.005	https://www.sciencedirect.com/journal/journal-of-network-and-computer-applications	https://www.sciencedirect.com/science/article/abs/pii/S1084804519301651	Yes-Scopus
128	Metal to semimetal conversion by band structure engineering of SWCNT by DNA nucleobase functionalization	Sinha, S., Biswas, K., De, D., Bandyopadhyay, J. and Sarkar, A.	Dept. of Biotechnology	Microsystem Technologies	2019	0946-7076	https://www.springer.com/journal/542	https://doi.org/10.1007/s00542-017-3628-x	Yes
129	Polyphenol capping on gold nanosurface modulates human serum albumin fibrillation	Aalok Basu, Sonia Kundu, Aatrayee Das, Chitra Basu, Sagar Bhayye, Suvadra Das and Arup Mukherjee	Department of Biotechnology & The Pharmaceutical Science and Technology, MAKAUT, WB	Materials Advances	2020	2633-5409	https://www.rsc.org/journals-books-databases/about-journals/materials-advances/	https://pubs.rsc.org/en/content/articlehtml/2020/ma/d0ma00274g	Yes-Scopus
130	Guar gum cinnamate ouzo nanoparticles for bacterial contact killing in water environment	Aatrayee Das, Sonia Kundu, Sumanta Kumar Ghosh, Aalok Basu, Mradu Gupta and Arup Mukherjee	Department of Biotechnology & Department of Pharmaceutical Science and Technology, MAKAUT, WB	Carbohydrate Research	2020	0008-6215	https://www.journals.elsevier.com/carbohydrate-research	https://www.sciencedirect.com/science/article/abs/pii/S0008621519307049	Yes-Scopus
131	Effect of quercetin loaded AgNPs on gram negative bacteria E.Coli and gram positive bacteria	Chabita Saha* Asmita Das, Pratyusa Das, Aphrodite Chakraborty,	Renewable Energy Engineering	Indian Journal of Experimental Biology	2020	0975-1009	http://op.niscair.res.in/index.php/IJEB	http://op.niscair.res.in/index.php/IJEB/article/view/45727	No
132	A Novel Immunocompetent Mouse Model for Testing Antifungal Drugs Against Invasive Candida albicans Infection	Ryan LK, Hise AG, CM Hossain, Ruddick W, Parveen R, Freeman KB, Weaver DG, Narra HP, Scott RW, Diamond G.	Department of Pharmaceutical Technology	Journal of Fungi	2020	2309-608X	https://www.mdpi.com/journal/jof	https://www.mdpi.com/2309-608X/6/4/197/htm	Yes-Scopus
133	Toxicological evaluation, brine shrimp lethality assay, in vivo and ex vivo antioxidant assessment followed by GC–MS study of the extracts obtained from Olax psittacorum (Lam.) Vahl	Majumder R, Adhikari L, CM Hossain, Dhara M, Sahu J.	Department of Pharmaceutical Technology	Advances in Traditional Medicine.	2020	26624060	https://www.springer.com/journal/13596	https://link.springer.com/article/10.1007/s13596-019-00384-y	Yes-Scopus
134	Elucidating the molecular interaction of Zebrafish (Danio rerio) peptidoglycan recognition protein 2 with diaminopimelic acid and lysine type peptidoglycans using in silico approaches	A.K. Rout, S. Paramanik, B. Dehury, V. Acharya, H.S. Swain, S.K. Pradhan, B. Behera, Soumen K. Pati, B.K. Behera, B.K. Das	Department of Bioinformaticvs	Journal of Biomolecular Structure and Dynamics	2020	1538-0254	https://www.tandfonline.com/journals/tbsd20	https://www.tandfonline.com/doi/full/10.1080/07391102.2019.1666742	Yes-SCI
135	Bi-directional Long Short-Term Memory Model to Analyze Psychological Effects on Gamers	Lidia Ghosh, Sriparna Saha and Amit Konar	Computer Science & Engineering	*Applied Soft Computing, Elsevier*	2020	1568-4946	https://www.sciencedirect.com/journal/applied-soft-computing	https://www.sciencedirect.com/science/article/abs/pii/S1568494620305111	Yes
136	Designing of RNA aptamer against DNA binding domain of the glucocorticoid receptor: A Response element-based in-silico approach.	Thirukumaran K, Sudhamalla B, Naskar D	Dept. of Biotechnology	Biomolecular Structure & Dynamics	2020	1538-0254	https://www.tandfonline.com/toc/tbsd20/current	https://www.tandfonline.com/doi/abs/10.1080/07391102.2020.1822918	Yes

137	Neuroprotective Role of Quercetin on Rotenone-Induced Toxicity in SH-SY5Y Cell Line Through Modulation of Apoptotic and Autophagic Pathways.	Pakrashi, S., Chakraborty, J. and Bandyopadhyay, J.	Dept. of Biotechnology	Neurochemical Research	2020	0364-3190	https://www.springer.com/journal/11064	https://link.springer.com/article/10.1007/s11064-020-03061-8	Yes
138	Favorable influence of ssDNA-functionalized SWCNT on the navigation pattern of C. elegans.	Sinha, S., Shaw, S., Biswas, K., De, D., Das, S.C., Sarkar, A. and Bandyopadhyay, J.	Dept. of Biotechnology	Microsystem Technologies	2020	0946-7076	https://www.springer.com/journal/542	(DOI 10.1007/s00542-020-04906-6)	Yes
139	Iron chelator Deferoxamine protects human neuroblastoma cell line SH-SY5Y from 6-Hydroxydopamine-induced apoptosis and autophagy dysfunction.	Rakshit, J., Priyam, A., Gowrishetty, K.K., Mishra, S. and Bandyopadhyay, J.	Dept. of Biotechnology	Journal of Trace Elements in Medicine and Biology	2020	0946-672X	https://www.sciencedirect.com/journal/journal-of-trace-elements-in-medicine-and-biology	(DOI 10.1016/j.jtemb. 2019. 126406)	Yes
140	Conductivity modulation of interstitially chemisorbed Manganese atom on Graphene for nanoelectronic application.	Kunal Biswas, Suranjana Mukherjee, Swati Sinha, Jaya Bandyopadhyay & Debashis De	Dept. of Biotechnology	Microsystem Technologies (DOI 10.1007/s00542-018-3912-4)	2020	0946-7076	https://www.springer.com/journal/542	(DOI 10.1007/s00542-018-3912-4)	Yes
141	Thermo-chemical micro-sensing system of a biological model organism C. elegans towards a chemical stimulus.	Paul, T., Biswas, K., Mishra, S., Sinha, S. and Bandyopadhyay, J	Dept. of Biotechnology	Microsystem Technologies, Springer (ISSN 0946-7076, DOI 10.1007/s00542-019-04568-z)	2020	0946-7076	https://www.springer.com/journal/542	DOI 10.1007/s00542-019-04568-z	Yes
142	Entropy Generation of Variable Viscosity and Thermal Radiation on Magneto Nanofluid Flow with Dusty Fluid	Hiranmoy Mondal, Shweta Mishra, Prabir Kumar Kundu, Precious Sibanda	Dept. of Applied Mathematics	Journal of Applied and Computational Mechanics	2020	2383-4536	https://jacm.scu.ac.ir/	https://jacm.scu.ac.ir/article_14243.html	Yes
143	Fe3O4 coated guargum nanoparticles as non-genotoxic materials for biological application	Janmejaya Bag, Sumit Mukherjee, Sumanta Kumar Ghosh, Aatrayee Das, Arup Mukherjee, Jitendra Kumar Sahoo, Kshyama Subhadarsini Tung, Harekrushna Sahoo and Monalisa Mishra,	Dept. of Biotechnology	International journal of biological Macromolecules	2020	0141-8130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.sciencedirect.com/science/article/abs/pii/S0141813020345025	Yes
144	Reversible priority encoder design and implementation using quantum-dot cellular automata	Jadav Chandra Das, and Debashis De	IT	IET Quantum Communication	2020	2632-8925	https://ietresearch.onlinelibrary.wiley.com/journal/26328925	https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-qtc.2020.0009	Yes
145	Reversible Palm Vein Authenticator Design With Quantum Dot Cellular Automata for Information Security in Nanocommunication Network	Bikash Debnath, Jadav Chandra Das, Debashis De, Ferial Ghaemi, Ali Ahmadian, Norazak Senu	IT	*IEEE Access*	2020	2169-3536	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=628763	https://ieeexplore.ieee.org/abstract/document/9203806	Yes
146	Security analysis with novel image masking based quantum-dot cellular automata information security model	B Debnath, JC Das, D De, SP Mondal, A Ahmadian, M Salimi, M Ferrara	IT	*IEEE Access*	2020	2169-3536	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=628764	https://ieeexplore.ieee.org/abstract/document/9115653	Yes
147	Feynman gate based design of n-bit reversible inverter and its implementation on quantum-dot cellular automata	Jadav Chandra Das, Debashis De	IT	Nano Communication Networks	2020	1878-7789	https://www.sciencedirect.com/journal/nano-communication-networks	https://www.sciencedirect.com/science/article/abs/pii/S1878778919301310#!	Yes
148	Nanocomputing channel fidelity of QCA code converter circuits under thermal randomness	Jadav Chandra Das, Debashis De	IT	Journal of Computational Electronics	2020	1569-8025	https://www.springer.com/journal/10825	https://link.springer.com/article/10.1007/s10825-019-01411-6	Yes
149	New facets of Larger Nest Motifs	Debnath Pal, Subhankar Sahu and Raja Banerjee*	Biotechnology	Proteins	2020	1097-0134	https://onlinelibrary.wiley.com/journal/10970134	https://onlinelibrary.wiley.com/doi/abs/10.1002/prot.25961	Yes
150	Control of solvent exposure of cationic polypeptides in anionic	Piya Patra, Raja Banerjee and Jaydeb Chakrabarti	Biotechnology	Chemical Physics Letters	2020	0009-2614	https://www.sciencedirect.com/journal/chemical-physics-letters	https://www.sciencedirect.com/science/article/abs/pii/S0009261420304188?via%3Dihub	Yes
151	Design of peptide-based model leads for scavenging anions;	Tridip Sheet and Raja Banerjee*	Biotechnology	ACS Omega,	2020	2470-1343	https://pubs.acs.org/journal/acsodf	https://pubs.acs.org/doi/full/10.1021/acsomega.9b04180	NA
152	A Pilot Study on Probing of Imatinib Induced Platelet Dysfunction in Patients with Chronic Myeloid Leukemia-Chronic Phase and Absence of Associated Bleeding Manifestation: Trying to Solve an Enigma	Rajib De, Ranjini Chowdhury, Tuphan Kanti Dolai, Biswajit Bhar, Mohammad Mirazul Islam, Prantar Chakrabarty, Suryyani Deb.	Biotechnology	Indian Journal of Hematology and Blood Transfusion	2020	0974-0449	https://www.springer.com/journal/12288	https://pubmed.ncbi.nlm.nih.gov/33707851/	Yes

153	Varying effects of tyrosine kinase inhibitors on platelet function-A need for individualized CML treatment to minimize the risk for hemostatic and thrombotic complications?	Suryyani Deb, Niklas Boknäs, Clara Sjöström, Anjana Tharmakulanathan, Kourosh Lotfi, Sofia Ramström.	Biotechnology	Cancer Medicine	2020	2045-7634	https://onlinelibrary.wiley.com/journal/20457634	https://pubmed.ncbi.nlm.nih.gov/31714021/	Yes	
154	Molecular engineering of tyrosine and tyrosine derived peptides to produce organogel	Mrittika Mohar, Tanmay Das, Arijit Bag	Department of Applied Chemistry	Colloid and Interface Science Communications	2020	2215-0382	https://www.sciencedirect.com/journal/colloid-and-interface-science-communications	https://www.sciencedirect.com/science/article/abs/pii/S2215038220300509	Yes	
155	Search for Natural Alkaloids as SARS-CoV-2 Proteas and RdRp Inhibitors: A Docking-Based Study	Abhrajit Bag, Arijit Bag*	Department of Applied Chemistry	Acta Scientific Pharmaceutical Sciences	2020	2581-5423	https://actascientific.com/ASPS-Article-Inpress.php	https://actascientific.com/ASPS/pdf/ASPS-04-0620.pdf	Yes	
156	DFT based Computational Methodology of IC 50 Prediction	Arijit Bag*	Department of Applied Chemistry	Current Computer-Aided Drug Design	2020	1573-4099	https://www.eurekaselect.com/issue/11916/1	https://www.eurekaselect.com/article/104647	Yes	**80**
157	Insights into mesoporous nitrogen-rich carbon induced synergy for the selective synthesis of ethanol	Subhasis Das, Manideepa Sengupta, Renata Lippi, Jim Patel, Arijit Bag, Chandrani Nayak, Shambhu Nath Jha, Ankur Bordoloi	Department of Applied Chemistry	Carbon	2020	0008-6223	https://www.sciencedirect.com/journal/carbon	https://www.sciencedirect.com/science/article/abs/pii/S000862232030645X	Yes	
158	Regioselective nitration of a biphenyl derivative to derive a fluorescent chloride sensor	Tanmay Das, Mrittika Mohar, Arijit Bag	Department of Applied Chemistry	Tetrahedron Letters	2020	0040-4039	https://www.sciencedirect.com/journal/tetrahedron-letters	https://www.sciencedirect.com/science/article/abs/pii/S004040392031265X#:~:text=A%20regioselective%20nitration%20of%20a,to%20produce%202'%20substituted%20product.&text=Methyl%202'%2Daminobiphenyl%2D4,was%20utilized%20for%20chloride%20sensing.&text=The%20designed%20chloride%20sensor%20works%20based%20on%20the%20restricted%20rotation%20of%20biphenyl.	Yes	
159	"Performance analysis of mixed natural dye and nanostructured TiO 2 based DSSC."	Ayaz, A., D. Sinha, and D. De.	CSE	Int. J. Innov. Technol. Explor. Eng	2020	2278-3075	https://www.ijitee.org/	https://srv15-bcrec.in/vc/NAAC_SSR/CRITERIA_3/3_3/3_3_2/ADDITIONAL_INFORMATION/2019_20/2020_19.pdf	Yes	
160	A lazy learning-based language identification from speech using MFCC-2 features	H Mukherjee, SM Obaidullah, KC Santosh, S Phadikar, K Roy	CSE	International Journal of Machine Learning and Cybernetics 11 (1)	2020	1868-808X	https://www.springer.com/journal/13042	https://link.springer.com/article/10.1007/s13042-019-00928-3	Yes	
161	A deep learning approach for the classification of rice leaf diseases	S Bhattacharya, A Mukherjee, S Phadikar	CSE	Intelligence enabled research	2020	2194-5365	https://link.springer.com/book/10.1007/978-981-15-2021-1	https://link.springer.com/chapter/10.1007/978-981-15-2021-1_8	Yes	
162	Detection of DDoS attack and classification using a hybrid approach	S Nandi, S Phadikar, K Majumder	CSE	2020 Third ISEA Conference on Security and Privacy (ISEA-ISAP)	2020	2331–8422	https://ieeexplore.ieee.org/xpl/conhome/9070089/proceeding	https://ieeexplore.ieee.org/abstract/document/9079340	Yes	
163	An ensemble learning-based language identification system	Himadri Mukherjee, Sahana Das, Ankita Dhar, Sk Obaidullah, KC Santosh, Santanu Phadikar, Kaushik Roy	CSE	Computational Advancement in Communication Circuits and Systems	2020	1876-1119	https://link.springer.com/book/10.1007/978-981-13-8687-9	https://link.springer.com/chapter/10.1007/978-981-13-8687-9_12	Yes	
164	Linear predictive coefficients-based feature to identify top-seven spoken languages	H Mukherjee, A Dhar, SM Obaidullah, KC Santosh, S Phadikar, K Roy	CSE	International Journal of Pattern Recognition and Artificial Intelligence	2020	https://doi.org/10.1142/S0218001420580069	https://www.worldscientific.com/worldscinet/ijprai	https://www.worldscientific.com/doi/abs/10.1142/S0218001420580069	Yes	
165	QoS aware distributed dynamic channel allocation for V2V communication in TVWS spectrum	S Midya, A Roy, K Majumder, S Phadikar	CSE	Computer Networks 171	2020	https://doi.org/10.1016/j.comnet.2020.107126	https://www.sciencedirect.com/journal/computer-networks	https://www.sciencedirect.com/science/article/abs/pii/S1389128618309228	Yes	
166	Image-based features for speech signal classification	H Mukherjee, A Dhar, SM Obaidullah, S Phadikar, K Roy	CSE	Multimedia Tools and Applications 79 (47)	2020	34913–34929	https://www.springer.com/journal/11042	https://link.springer.com/article/10.1007/s11042-019-08553-6	Yes	
167	An improved intrusion detection system to preserve security in cloud environment	P Ghosh, S Biswas, S Shakti, S Phadikar	CSE	International Journal of Information Security and Privacy (IJISP) 14 (1)	2020	DOI: 10.4018/IJISP.2020010105	https://www.igi-global.com/journal/international-journal-information-security-privacy/1096	https://www.igi-global.com/article/an-improved-intrusion-detection-system-to-preserve-security-in-cloud-environment/241286	Yes	
168	Visual computing for blast and brown spot disease detection in rice leaves	N Guchait, I Bhakta, S Phadikar, K Majumder	CSE	Proceedings of the 2nd International Conference on Communication, Devices and Computing	2020	DOI: 10.1007/978-981-15-0829-5_56	https://link.springer.com/book/10.1007/978-981-15-0829-5	https://link.springer.com/chapter/10.1007/978-981-15-0829-5_56	Yes	
169	Distributed resource management in dew based edge to cloud computing ecosystem: A hybrid adaptive evolutionary approach	A Roy, S Midya, K Majumder, S Phadikar	CSE	Transactions on Emerging Telecommunications Technologies 31 (8)	2020	https://doi.org/10.1002/ett.4018	https://onlinelibrary.wiley.com/journal/21613915	https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.4018	Yes	

170	Estimation of time dependent reproduction number for the ongoing COVID-2019 pandemic	A Sau, S Phadikar, I Bhakta	CSE	Available at SSRN 3556672	2020	https://dx.doi.org/10.2139/ssrn.3556672	https://www.ssrn.com/index.cfm/en/	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3556672	Yes
171	A Novel SNN-ANN based IDS in Cloud Environment	D Majumder, A Singh, P Ghosh, S Phadikar	CSE	2020 International Conference on Electronics and Sustainable Communication Systems (ICESC)	2020	10.1109/ICESC48915.2020.9155705	https://ieeexplore.ieee.org/xpl/conhome/9145513/proceeding	https://ieeexplore.ieee.org/abstract/document/9155705	Yes
172	An adaptive resource placement policy by optimizing live VM migration for ITS applications in vehicular cloud network	S Midya, A Roy, K Majumder, S Phadikar	CSE	Transactions on Emerging Telecommunications Technologies 31 (2)	2020	https://doi.org/10.1002/ett.3827	https://onlinelibrary.wiley.com/journal/21613915	https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.3827	Yes
173	Enhancing live virtual machine migration process via optimized resource allocation in next generation mobile edge network: A hybrid evolutionary approach	A Roy, S Midya, K Majumder, S Phadikar	CSE	International Journal of Communication Systems 33 (12)	2020	https://doi.org/10.1002/dac.4442	https://onlinelibrary.wiley.com/journal/10991131	https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.4442	Yes
174	Intelligence enabled research	S Bhattacharya, A Mukherjee, S Phadikar	CSE	Singapore: Springer) A deep learning approach for the classification of rice leaf diseases	2020	978-981-19-0489-9	https://link.springer.com/book/10.1007/978-981-19-0489-9	https://link.springer.com/book/10.1007/978-981-19-0489-9	Yes
175	Fractional frequency reuse based frequency allocation for 5G HetNet using master–slave algorithm	PritiDebaAnweshaMukherjeebDebashisDe	CSE	Physical Communication	2020	https://doi.org/10.1016/j.phycom.2020.101158	https://www.sciencedirect.com/journal/physical-communication	https://www.sciencedirect.com/science/article/abs/pii/S1874490720302354	Yes-Scopus
176	Entropy-aware ambient IoT analytics on humanized music information fusion	Samarjit Roy, Dhiman Sarkar & Debashis De	CSE	Journal of Ambient Intelligence and Humanized Computing	2020	https://doi.org/10.1155/2013/917923	https://www.springer.com/journal/12652	https://link.springer.com/article/10.1007/s12652-019-01261-x	Yes-SCIE
177	LFMTCN: A Green Ultra-Dense Multi-tier Small Cell Network Using Leader–follower Strategy	Anwesha Mukherjee, Priti Deb & Debashis De	CSE	Wireless Personal Communications	2020	https://doi.org/10.1007/s11277-019-06726-y	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s11277-019-06726-y	Yes-SCIE
178	Power and Delay Efficient Multilevel Offloading Strategies for Mobile Cloud Computing	Debashis De, Anwesha Mukherjee & Deepsubhra Guha Roy	CSE	Wireless Personal Communications	2020	https://doi.org/10.1007/s11277-020-07144-1	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s11277-020-07144-1	Yes-SCIE
179	Area-Delay-Energy aware SRAM memory cell and M × N parallel read/write memory array design for quantum dot cellular automata	ArindamSadhuaKunalDasaDebashisDebcMaitreyi RayKanjilala	CSE	Microprocessors and Microsystems	2020	https://doi.org/10.1016/j.micpro.2019.102944	https://www.sciencedirect.com/journal/microprocessors-and-microsystems	https://www.sciencedirect.com/science/article/abs/pii/S0141933118300668	Yes-Scopus
180	EdgeDrone: QoS aware MQTT middleware for mobile edge computing in opportunistic Internet of Drone Things	AmartyaMukherjeeaNilanjanDeybDebashisDec	CSE	Computer Communications	2020	https://doi.org/10.1016/j.comcom.2020.01.039	https://www.sciencedirect.com/journal/computer-communications	https://www.sciencedirect.com/science/article/abs/pii/S0140366419315750	Yes-Scopus
181	FogIoHT: A weighted majority game theory based energy-efficient delay-sensitive fog network for internet of health things	AnweshaMukherjeeaDebashisDebSoumya K.Ghoshc	CSE	Internet of Things	2020	https://doi.org/10.1016/j.iot.2020.100181	https://www.sciencedirect.com/journal/internet-of-things	https://www.sciencedirect.com/science/article/abs/pii/S2542660520300214	Yse-Scopus
182	Nanocomputing channel fidelity of QCA code converter circuits under thermal randomness	Debashis De & Jadav Chandra Das	CSE	Journal of Computational Electronics	2020	https://doi.org/10.1007/s10825-019-01411-6	https://www.springer.com/journal/10825	https://link.springer.com/article/10.1007/s10825-019-01411-6	Yes-SCIE
183	Lightweight sustainable intelligent load forecasting platform for smart grid applications	AmartyaMukherjeeaPrateetiMukherjeebNilanjanDeycDebashisDedB.KPanigrahie	CSE	Sustainable Computing: Informatics and Systems	2020	https://doi.org/10.1016/j.suscom.2019.100356	https://www.sciencedirect.com/journal/sustainable-computing-informatics-and-systems	https://www.sciencedirect.com/science/article/abs/pii/S2210537918303421	Yes-Scopus
184	Genetic Algorithm based Internet of Precision Agricultural Things (IopaT) for Agriculture 4.0	Sayan KumarRoyDebashisDe	CSE	Internet of Things	2020	https://doi.org/10.1016/j.iot.2020.100201	https://www.sciencedirect.com/journal/sustainable-computing-informatics-and-systems	https://www.sciencedirect.com/science/article/abs/pii/S2542660519300071	Yes-Scopus
185	FIS-RGSO: Dynamic Fuzzy Inference System Based Reverse Glowworm Swarm Optimization of energy and coverage in green mobile wireless sensor networks	AparajitaChowdhuryaDebashisDea	CSE	Computer Communications	2020	https://doi.org/10.1016/j.comcom.2020.09.002	https://www.sciencedirect.com/journal/sustainable-computing-informatics-and-systems	https://www.sciencedirect.com/science/article/abs/pii/S0140366420319162	Yes-Scopus
186	Tea leaf disease detection using multi-objective image segmentation	Somnath Mukhopadhyay, Munti Paul, Ramen Pal & Debashis De	CSE	Multimedia Tools and Applications	2020	https://doi.org/10.1007/s11042-020-09567-1	https://www.springer.com/journal/11042	https://link.springer.com/article/10.1007/s11042-020-09567-1	Yes-SCIE
187	iGridEdgeDrone: Hybrid Mobility Aware Intelligent Load Forecasting by Edge Enabled Internet of Drone Things for Smart Grid Networks	Amartya Mukherjee, Prateeti Mukherjee, Debashis De & Nilanjan Dey	CSE	International Journal of Parallel Programming volume	2020	https://doi.org/10.1007/s10766-020-00675-x	https://www.springer.com/journal/10766	https://link.springer.com/article/10.1007/s10766-020-00675-x	Yes-SCIE
188	Design of synchronous decimal counter using reversible Toffoli–Fredkin Netlist	Mahamuda Sultana, Ayan Chaudhuri, Diganta Sengupta, Debashis De & Atal Chaudhuri	CSE	Innovations in Systems and Software Engineering	2020	https://doi.org/10.1007/s11334-020-00369-0	https://www.springer.com/journal/11334	https://link.springer.com/article/10.1007/s11334-020-00369-0	Yes-SCIE

189	Lightweight sustainable intelligent load forecasting platform for smart grid applications	AmartyaMukherjeeaPrateetiMukherjeebNilanjanDeycDebashisDedB. KPanigrahie	CSE	Sustainable Computing: Informatics and Systems	2020	https://www.sciencedirect.com//	https://www.sciencedirect.com/journal/sustainable-computing-informatics-and-systems	https://www.sciencedirect.com/science/article/abs/pii/S2210537918303421	Yes-Scopus
190	SSTRNG: self starved feedback SRAM based true random number generator using quantum cellular automata	Arindam Sadhu, Kunal Das, Debashis De & Maitreyi Ray Kanjilal	CSE	Microsystem Technologies volume	2020	https://doi.org/10.1007/s00542-019-04525-w	https://www.springer.com/journal/542/	https://link.springer.com/article/10.1007/s00542-019-04525-w	Yes-SCIE
191	DewMusic: crowdsourcing-based internet of music things in dew computing paradigm	Samarjit Roy, Dhiman Sarkar & Debashis De	CSE	Journal of Ambient Intelligence and Humanized Computing	2020	https://doi.org/10.1007/s12652-020-02309-z	https://www.springer.com/journal/12652	https://link.springer.com/article/10.1007/s12652-020-02309-z	Yes-SCIE
192	Distributed bandwidth selection approach for cooperative peer to peer multi-cloud platform	Bipasha Mahato, Deepsubhra Guha Roy & Debashis De	CSE	Peer-to-Peer Networking and Applications	2020	https://doi.org/10.1007/s12083-020-00917-2	https://www.springer.com/journal/12083	https://link.springer.com/article/10.1007/s12083-020-00917-2	Yes-SCIE
193	Intelligent Internet of Things Enabled Edge System for Smart Healthcare	Partha Pratim Ray, Dinesh Dash & Debashis De	CSE	National Academy Science Letters	2020	https://doi.org/10.1007/s40009-020-01003-0	https://www.springer.com/journal/40009	https://link.springer.com/article/10.1007/s40009-020-01003-0	Yes-SCIE
194	Router design for nano-communication using actin quantum cellular automata	Biplab Das,Debashis De	CSE	IET Nanobiotechnology	2020	https://doi.org/10.1049/iet-nbt.2020.0186	https://ietresearch.onlinelibrary.wiley.com/journal/1751875x	https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-nbt.2020.0186	Yes-SCIE
195	Design of synchronous decimal counter using reversible Toffoli–Fredkin Netlist	Mahamuda Sultana, Ayan Chaudhuri, Diganta Sengupta, Debashis De & Atal Chaudhuri	CSE	Innovations in Systems and Software Engineering	2020	https://doi.org/10.1007/s11334-020-00369-0	https://www.springer.com/journal/11334	https://link.springer.com/article/10.1007/s11334-020-00369-0	Yes-SCIE
196	Estimation of resemblance and risk level of a breast cancer patient by prognostic variables using microarray gene expression data	Madhurima Das, Biswajit Jana, Suman Mitra & Sriyankar Acharyya	CSE	Innovations in Systems and Software Engineering	2020	1614-5046	https://www.springer.com/journal/11334	https://link.springer.com/article/10.1007/s11334-020-00367-2	Yes
197	Matching formulation of the Staff Transfer Problem: meta-heuristic approaches	S. Acharyya & A. K. Datta	CSE	OPSEARCH	2020	0030-3887	https://www.springer.com/journal/12597	https://link.springer.com/article/10.1007/s12597-019-00432-w	Yes
198	Multi-objective Simulated Annealing Variants to Infer Gene Regulatory Network: A Comparative Study	Surama Biswas & Sriyankar Acharyya	CSE	IEEE/ACM Transactions on Computational Biology and Bioinformatics	2020	1545-5963	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8857	https://ieeexplore.ieee.org/abstract/document/8100952?casa_token=xBnMUj5C2p0AAAAA:MA5XWQWaJDJpVX8N9afor1BBEb_AkqcXPpf2qsuj7bUumiIWXgAICWqTSyM9wVv324Qlswam16xmjw	Yes
199	An Analytical Study – How Marketing Strategies of Selected Home Appliances Provide A New Horizon of Economic Development in India : From 2009-2016	Chinmoy Ghosh & Sujit Mukherjee	Management	Purakala, Vol. 31, Issue 42,	2020	ISSN :0971-2143	https://ijsem.org/	https://www.technoarete.org/common_abstract/pdf/IJSEM/v7/i10/Ext_24091.pdf	Yes
200	A Study on Production Trend Analysis of Selected Home Appliances for Economic Development in India at near future (2005-2022)	Chinmoy Ghosh & Sujit Mukherjee	Management	JAC : A Journal of Composition Theory, Vol XIII, Issue I	2020	ISSN: 0731-6755	http://www.jctjournal.com/	https://www.indianjournals.com/ijor.aspx?target=ijor:ijmie&volume=9&issue=8&article=005	Yes
201	An Exploratory Study on how customers' choice depends on marketing strategies of selected home appliances	Chinmoy Ghosh & Sujit Mukherjee	Management	Our Heritage, Vol. 68, Issue 1,	2020	ISSN: 0474-9030	https://sciencescholar.us/journal/index.php/ijssh/index	https://sciencescholar.us/journal/index.php/ijssh/article/view/292	Yes
202	Power and delay efficient multilevel offloading strategies for mobile cloud computing	D De, A Mukherjee, D Guha Roy	IT	Wireless Personal Communications	2020	1572-834X	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s11277-020-07144-1	Yes-SCIE
203	An energy-aware multi-sensor geo-fog paradigm for mission critical applications	M Mishra, Sayan Kumar Roy, A Mukherjee, D De, SK Ghosh, R Buyya	IT	Journal of Ambient Intelligence and Humanized Computing	2020	1868-5145	https://www.springer.com/journal/12652	https://link.springer.com/article/10.1007/s12652-019-01481-1	Yes--Scopus
204	Extensive analyses of mass transfer, kinetics, and toxicity for hazardous acid yellow 17 dye removal using activated carbon prepared from waste biomass of Solanum melongena	Manish Chandra Kannaujiya, Anuj Kumar Prajapati, Tamal Mandal, Ananta Kumar Das & Monoj Kumar Mondal	Renewable Energy Engineering	Biomass Conversion and Biorefinery	2021	2190-6823	https://www.springer.com/journal/13399	https://link.springer.com/article/10.1007/s13399-020-01160-8	Yes-Scopus
205	ALD Grown Al2O3 as Interfacial Layer in ITO Based SIS Solar Cells	Chowdhury, K. Gangopadhyay, U. Mandal, R.	Renewable Energy Engineering	J. Nano- Electron. Phys.	2021	2306-4277	https://jnep.sumdu.edu.ua/en/	https://jnep.sumdu.edu.ua/en/component/content/full_article/3244	Yes-Scopus
206	Hydrophobic quercetin encapsulated hemoglobin nanoparticles: formulation and spectroscopic characterization	Debashis Majumder,Shaon Roychoudhry,Somashree Kundu,Subrata Kumar Dey & Chabita Saha*	Renewable Energy Engineering	Journal of Biomolecular Structure and Dynamics	2021	1538-0254	https://www.tandfonline.com/journals/tbsd20	https://www.tandfonline.com/doi/full/10.1080/07391102.2021.1936181	Yes-SCI

207	Synthesis, and characterization of ester-diol based polyurethane: a potentiality check for hypopharyngeal tissue engineering application.	Chakraborty I, CM Hossain , Basak P	Department of Pharmaceutical Technology	Biomedical Engineering Letters	2021	2093-985X	https://www.springer.com/journal/13534	https://link.springer.com/article/10.1007/s13534-020-00180-7	Yes-Scopus
208	Revisiting Therapeutic Potentials of Ethanolic Extract of Curcuma longa L. rhizomes to Evaluate wound Healing Progression upon Topical Application of its Ointment	Adhikary T, CM Hossain, Mallick S, Paul S, Banerjee N, Basak P	Department of Pharmaceutical Technology	Indian Journal of Pharmaceutical Education and Research	2021	0019-5464	https://www.ijper.org/	https://www.ijper.org/article/1343	Yes-SCIE
209	CoWarriorNet: A Novel Deep-Learning Framework for CoVID-19 Detection from Chest X-Ray Images	Indrani Roy, Rinita Shai, Arijit Ghosh, Anirban Bej, Soumen Kumar Pati	Department of Bioinformaticvs	New Generation Computing	2021	0288-3635	https://www.springer.com/journal/354	https://link.springer.com/article/10.1007/s00354-021-00143-1	Yes-SCIE
210	Decoding Emotional Changes of Android-Gamers Using A Fused Type-2 Fuzzy Deep Neural Network	Lidia Ghosh, Sriparna Saha and Amit Konar	Computer Science & Engineering	*Computers in Human Behavior, Elsevier*	2021	0747-5632	https://www.sciencedirect.com/journal/computers-in-human-behavior	https://www.sciencedirect.com/science/article/abs/pii/S0747563220303873	Yes
211	Design of thermometer code-to-gray code converter circuit in quantum-dot cellular automata for nano-computing network	Jadav Chandra Das, and Debashis De	IT	Photonic Network Communications	2021	1387-974X	https://www.springer.com/journal/11107	https://link.springer.com/article/10.1007/s11107-021-00937-9	Yes-SCIE
212	Cryptographic Models of Nanocommunicaton Network Using Quantum Dot Cellular Automata: A Survey	B. Debnath, Jadav Chandra Das, and Debashis De	IT	IET Quantum Communication	2021	2632-8925	https://ietresearch.onlinelibrary.wiley.com/journal/26328925	https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/qtc2.12013	Yes-Scopus
213	SQCA: symmetric key-based crypto-codec for secure nano-communication using QCA	B. Debnath, Jadav Chandra Das, and Debashis De	IT	Photonic Network Communications	2021	1387-974X	https://www.springer.com/journal/11107	https://link.springer.com/article/10.1007/s11107-021-00952-w	Yes-SCIE
214	In- silico approach to target PI3K/Akt/mTOR axis by selected Olea europaea phenols in PIK3CA mutant colorectal cancer.	Sain A, Kandasamy T, Naskar	Dept. of Biotechnology	Biomolecular Structure & Dynamics	2021	1538-0254	https://www.tandfonline.com/journals/tbsd20	https://www.tandfonline.com/doi/abs/10.1080/07391102.2021.1953603	Yes
215	Potential of Olive oil and its phenolic compounds as therapeutic intervention against colorectal cancer: A comprehensive review.	Sain A, Sahu S, Naskar D	Dept. of Biotechnology	British Journal of Nutrition	2021	1475-2662	https://www.cambridge.org/core/journals/british-journal-of-nutrition	https://www.cambridge.org/core/journals/british-journal-of-nutrition/article/abs/potential-of-olive-oil-and-its-phenolic-compounds-as-therapeutic-intervention-against-colorectal-cancer-a-comprehensive-review/1319063BEA1DB89D158006C7DF73B8F3	Yes
216	Reduced graphene oxide nanosheets for selective picomolar detection of Bovine serum albumin	Kunal Biswas, Avik Sett, Monojit Mondal, Srijeet Tripathy, Jaya Bandyopadhyay, Debashis De, Tarun Kanti Bhattacharya	Dept. of Biotechnology	IEEE Transactions on NanoBioscience	2021	1536-1241	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7728	https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=9564059	Yes
217	In Vivo Biointeraction and Alleviation of Toxicity of MWCNTs upon Functionalization with ssDNA in a Caenorhabditis elegans Model	Swati Sinha, Tanaya Paul, Sudhanshu Mishra, Siddharth Shaw, Kunal Biswas, Debashis De, Angsuman Sarkar & Jaya Bandyopadhyay	Dept. of Biotechnology	Journal of Electronic Materials	2021	0361-5235	https://www.springer.com/journal/11664?gclid=Cj0KCQjwqoibBhDUARIsAH2OpWhT6BoAaroxCCuIZVzI4m6Nm35qC17wa_3vJbxLcD9ingkxmvM0e28aAu0sEALw_wcB	https://link.springer.com/article/10.1007/s11664-021-09006-3	Yes
218	Multi-target inhibition ability of neohesperidin dictates its neuroprotective activity: Implication in Alzheimer's disease therapeutics	Sandipan Chakraborty, Jyotirmoy Rakshit, Jaya Bandyopadhyay, and Soumalee Basu	Dept. of Biotechnology	International Journal of Biological Macromolecules	2021	0141-8130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.sciencedirect.com/science/article/abs/pii/S0141813021003524?via%3Dihub	Yes
219	Predicting Chess Opening Through Modelling Of Chess Opponents	Debarpan Bose Chowdhury ; Banashree Sen	Dept of Applied Mathematics	Webology	2021	1735-188X	https://www.webology.org	https://www.webology.org/data-cms/articles/20220815062132pmwebology%2018%20(6)%20-%20579.pdf	Scopus, Web of Science
220	Effects of Ion-Slip and Hall Currents on Magnetohydrodynamic Nanofluid Flow with Thermal Diffusion Using Spectral Quasi-Linearization Method	H Mondal, S Ghosh, PK Roy, S Chatterjee	Applied Mathematics	Journal of Nanofluids 10 (4), 608-615	2021	2169-432X	Journal of Nanofluids (aspbs.com)	https://www.ingentaconnect.com/content/asp/jon/2021/00000010/00000004/art00012	Yes
221	Entropy generation on MHD Jeffrey nanofluid over a stretching sheet with nonlinear thermal radiation using spectral quasili	D Pal, S Mondal, H Mondal	Applied Mathematics	International Journal of Ambient Energy 42 (15), 1712-1726	2021	2162-8246	www.tandfonline.com/toc/taen20/current	https://www.tandfonline.com/doi/full/10.1080/01430750.2019.1614984	Yes

222	Spectral approach to study the entropy generation of radiative mixed convective couple stress fluid flow over a permeable stretching cylinder	N Acharya, H Mondal, PK Kundu	Applied Mathematics	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of	2021	2041-2983	journals.sagepub.com/toc/picb/236/23	https://journals.sagepub.com/doi/abs/10.1177/09544062209548 93	NA
223	Entropy generation in Casson nanofluid flow over a surface with nonlinear thermal radiation and binary chemical reaction	M Almakki, H Mondal, PK Kameswaran, P Sibanda	Applied Mathematics	Heat Transfer 50 (5), 4855-4870	2021	1521-0537	/onlinelibrary.wiley.com/journal/26884542	https://onlinelibrary.wiley.com/doi/full/10.1002/htj.22106	NA
224	IMPLEMENTATION OF DIFFERENT TYPE OF BARCODES-COMMERCIAL AND TECHNICAL ASPECTS	B Mukhopadhyay, R Bose, H Mondal, R Dutta	Applied Mathematics	Shodhsamhita	2021	2277-7067	https://abcdindex.com/Journal/Shodhsamhita-(print-only)-2277-7067	https://www.researchgate.net/profile/Sandip-Roy-2/publication/354699213_IMPLEMENTATION_OF_BARCODES_IN_COMMERCIAL_AND_TECHNICAL_ASPECTS/links/61489230a3df59440b9d387e/IMPLEMENTATION-OF-BARCODES-IN-COMMERCIAL-AND-TECHNICAL-ASPECTS.pdf	Yes
225	Numerical analysis of couple stress nanofluid in temperature dependent viscosity and thermal conductivity	M Dhlamini, H Mondal, P Sibanda, S Motsa	Applied Mathematics	International Journal of Applied and Computational Mathematics 7 (2), 1-14	2021	2199-5796	www.springer.com/journal/40819	https://link.springer.com/article/10.1007/s40819-021-00983-x	Yes
226	Onset of unsteady MHD Micropolar nanofluid flow with entropy generation	M Almakki, H Mondal, P Sibanda	Applied Mathematics	International Journal of Ambient Energy, 1-14	2021	2162-8246	www.tandfonline.com/toc/taen20/current	https://www.tandfonline.com/doi/full/10.1080/01430750.2021.1890213	Yes
227	Cα-Methyl-L-valine: a preferential choice over α-Aminoisobutyric acid for designing right-handed α-helical scaffolds,	Raja Banerjee,* Tridip Sheet, Srijan Banerjee, Barbara Biondi, Fernando Formaggio, Claudio Toniolo, and Cristina Peggion	Biotechnology	Biochemistry	2021	1520-4995	https://pubs.acs.org/journal/bichaw	https://doi.org/10.1021/acs.biochem.1c00340	NA
228	A graph theoretic model to understand the behavioral difference of PPCA among its paralogs towards recognition of DXCA	Shankar K Ghosh, Suvankar Ghosh, Goutam Paul and Raja Banerjee* (	Biotechnology	Journal of Biosciences 46:35	2021	0973-7138	https://www.springer.com/journal/12038	https://link.springer.com/article/10.1007/s12038-021-00144-8	Yes
229	Insight into the sequence-structure relationship of TLR cytoplasm's Toll/Interleukin-1 receptor domain towards understanding the conserved functionality of TLR 2 heterodimer in mammals	Soumya Kanti Ghosh, Bhaskar Saha and Raja Banerjee*	Biotechnology	Journal of Biomolecular Structure and Dynamics	2021	0739-1102	https://www.tandfonline.com/journals/tbsd20	https://pubmed.ncbi.nlm.nih.gov/32643540/.	Yes
230	Evaluation of State-Wise Epidemiological Outbreak of COVID-19 Cases In India by Data Analysis Approach to Forecast the Coronavirus Disease Pandemic	Sumana Sikdar,Pradyut Sarkar,Sibnath Kayal	Computer Science & Engineering	International Journal of Computer Engineering In Research Trends (IJCERT)	2021	2349-7084	https://www.ijcert.org/	https://ijcert.org/ems/ijcert_papers/V8I301.pdf	NA
231	Packaging-influenced-purchase decision segment the bottom of the pyramid consumer marketplace? Evidence from West Bengal, India	Debadrita Panda, Sourav Masani, Tanmoy Dasgupta	SoMS	Asia Pacific Management Review	2021	https://doi.org/10.1016/j.apmrv.2021.06.004	https://www.sciencedirect.com/journal/asia-pacific-management-review	https://www.sciencedirect.com/science/article/pii/S102931322100066X	Yes
232	Innate Immune Invisible Ultrasmall Gold Nanoparticles—Framework for Synthesis and Evaluation.	Geyunjian Harry Zhu, Mohammad Azharuddin, Rakibul Islam, Hassan Rahmoune, Suryyani Deb, Upasona Kanji, Jyotirmoy Das, Johannes Osterrieth, Parminder Aulakh, Hashi Ibrahim-Hashi, Raghav Manchanda, Per H. Nilsson, Tom Eirik Mollnes, Maitreyee Bhattacharyya, Mohammad M. Islam, Jorma Hinkula, Nigel K. H. Slater, and Hirak K. Patra.	Biotechnology	ACS Appl. Mater. Interfaces	2021	23410-23422	https://pubs.acs.org/journal/aamick	https://pubs.acs.org/doi/10.1021/acsami.1c02834	Yes
233	Antioxidants as a target in chronic obstructive pulmonary Disease - a review	BAKSHI S, DAS MK, DEBHUTI P, GHOSH S AND DASGUPTA S	Department of Pharmaceutical Technology	IJBPS	2021	ISSN: 2277–4998	https://www.ijbpas.com/	https://ijbpas.com/archive/archive-single-pdf/4041	Yes
234	Cannabinoid receptors: A potential target for osteoporosis pain, a review	PALLABI PANJA, NAUREEN AFROSE, SUKARNA BASU, MUKESH KUMAR DAS, SANDIPAN DASGUPTA	Department of Pharmaceutical Technology	International Journal of Pharmaceutical Research	2021	ISSN 0975-2366	http://www.ijpronline.com/	http://www.ijpronline.com/ViewArticleDetail.aspx?ID=21693	Yes

235	Erdosteine: An effective antioxidant for protecting complete freund's adjuvant	BANYLLA SYMON,SANHATI DUTTA ROY,SUTAPA BISWAS MAJEE,MEGHNA PUL,SANDIPAN DASGUPTA	Department of Pharmaceutical Technology	AJPCR	2021	ISSN: 0974-2441	https://innovareacademics.in/journals/index.php/ajpcr/article/view/42365	https://innovareacademics.in/journals/index.php/ajpcr/article/view/42365	Yes	
236	Visible light-driven photocatalytic degradation of methyl orange by Fe 2 O 3 - BiOCl 0.5 Br 0.5 composite photocatalyst	Sanmitra Barman, Anirban Chakraborti, Bipin Singh, Arijit Bag, Arun Singh Patel, Abhimanyu Rana	Department of Applied Chemistry	Asia-Pecific Journal of Chemical Engeering	2021	1932-2143	https://onlinelibrary.wiley.com/journal/19322143	https://onlinelibrary.wiley.com/doi/abs/10.1002/apj.2715	Yes	**140**
237	Simple and cost-efficient chlorination of electron deficient aromatics to provide templates for organogelation and fluoride sensing	Tanmay Das, Mrittika Mohar, Arijit Bag*	Department of Applied Chemistry	Colloid and Interface Science Communications	2021	2215-0382	https://www.sciencedirect.com/journal/colloid-and-interface-science-communications	https://www.sciencedirect.com/science/article/abs/pii/S2215038221001746	Yes	
238	Vaginal Cancer: Suspected to Increase due to Lockdown	Arijit Bag*	Department of Applied Chemistry	Acta Scientific Women's Health	2021	2582-3205	https://actascientific.com/ASWH/ASWH-03-0269.php	https://actascientific.com/ASWH/pdf/ASWH-03-0269.pdf	Yes	
239	Recent Advancements in the Clinical Applications of Gold Nano-Particles	Ayan Ghorai, Jabir Ali, Koustav Chakraborty, Moumita Roy and Arijit Bag*	Department of Applied Chemistry	Acta Scientific Clinical Case Reports	2021	2582-0931	https://www.actascientific.com/ASCR-2-9.php	https://www.actascientific.com/ASCR/ASCR-02-0177.php	Yes	
240	Piperidine based effective chemosensor for Zn(II) with the formation of binuclear Zn complex having specific Al(III) detection ability in aqueous medium and live cell images	Manik Das, Biplab Koley, Uttam Kumar Das, Arijit Bag, Soumik Laha, Bidhan Chandra Samanta, Indranil Choudhuri, Nandan Bhattacharyya, Tithi Maity	Department of Applied Chemistry	Journal of Photochemistry & Photobiology, A: Chemistry	2021	1010-6030	https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-a-chemistry	https://www.sciencedirect.com/science/article/abs/pii/S101060302100174X	Yes	
241	Competitive Reactivity of SO 2 and NO 2 with N-Heterocyclic Carbene: A Mechanistic Study	Ratan Logdi, Arijit Bag, and Ashwani K. Tiwari	Department of Applied Chemistry	Journal of Physical Chemistry A	2021	1089-5639	https://pubs.acs.org/journal/jpcafh	https://pubs.acs.org/doi/10.1021/acs.jpca.1c02466	Yes	
242	Gd–Ru Nanoparticles Supported on Zr 0.5 Ce 0.5 O 2 Nanorods for Dry Methane Reforming	Subhasis Das, Manideepa Sengupta, Arijit Bag, Arun Saini, Martin Muhler, and Ankur Bordoloi	Department of Applied Chemistry	ACS Applied nano Materials	2021	2574-0970	https://pubs.acs.org/page/aanmf6/about.html	https://pubs.acs.org/doi/abs/10.1021/acsanm.0c03140	Yes	
243	Justicia adhatoda - A Proven Medicine for COVID-19: Clinical Survey Report	Sobitri Sen, Abhrajit Bag, Arijit Bag*	Department of Applied Chemistry	Acta Scientific Clinical Case Reports	2021	2582-0931	https://www.actascientific.com/ASCR-2-9.php	https://actascientific.com/ASCR/pdf/ASCR-02-0131.pdf	Yes	
244	p-di-pyrrole Benzene Derivatives - A New Class of Highly Active HIV-1 CA Inhibitors	Nilanjana Biswas, Sangita Ghosh, Arijit Bag *	Department of Applied Chemistry	Acta Scientific Pharmaceutical Sciences	2021	2581-5423	https://actascientific.com/ASPS-Article-Inpress.php	https://actascientific.com/ASPS/pdf/ASPS-05-0689.pdf	Yes	
245	'Women Empowerment' Effects on Global Economics: A Quantum Economic Study	Arijit Bag*	Department of Applied Chemistry	Acta Scientific Women's Health	2021	2582-3205	https://actascientific.com/ASWH/ASWH-04-0323.php	https://actascientific.com/ASWH/pdf/ASWH-03-0203.pdf	Yes	
246	Change prediction and modeling of dynamic mangrove ecosystem using remotely sensed hyperspectral image data	Dipanwita Ghosh, Somdatta Chakravortty, Antonio J Plaza Miguel, Jun Li	IT	Journal of Applied Remote Sensing	2021	1931-3195	https://www.spiedigitallibrary.org/journals/journal-of-applied-remote-sensing/volume-15/issue-4/042606/Change-prediction-and-modeling-of-dynamic-mangrove-ecosystem-using-remotely/10.1117/1.JRS.15.042606.short	https://www.spiedigitallibrary.org/journals/journal-of-applied-remote-sensing/volume-15/issue-4/042606/Change-prediction-and-modeling-of-dynamic-mangrove-ecosystem-using-remotely/10.1117/1.JRS.15.042606.short	Yes	
247	Phase Space Analysis and Thermodynamics of Interacting Umami Chaplygin Gas in FRW Universe	Sujay Kr. Biswas, Atreyee Biswas	Applied Mathematics	The European Physical Journal C	2021	1434-6044 / 1434-6052	https://epjc.epj.org/	https://link.springer.com/article/10.1140/epjc/s10052-021-09131-7	Yes	
248	An efficient multilevel thresholding based satellite image segmentation approach using a new adaptive cuckoo search algorithm	J. Rahaman, M Sing	CSE	Expert Systems with Applications	2021	0957-4174	https://www.sciencedirect.com/journal/expert-systems-with-applications	https://www.sciencedirect.com/science/article/abs/pii/S0957417421000749	Yes	
249	Automatic question generation and answer assessment: a survey	B Das, M Majumder, S Phadikar, AA Sekh	CSE	Research and Practice in Technology Enhanced Learning 16 (1)	2021	1793-7078	https://telrp.springeropen.com/	https://telrp.springeropen.com/articles/10.1186/s41039-021-00151-1	Yes	
250	Bengali spoken numerals recognition by MFCC and GMM technique	B Paul, S Bera, R Paul, S Phadikar	CSE	Advances in Electronics, Communication and Computing	2021	DOI: 10.1007/978-981-15-8752-8_9	https://link.springer.com/book/10.1007/978-981-15-8752-8	https://link.springer.com/chapter/10.1007/978-981-15-8752-8_9	Yes	

251	An intrusion detection system using modified-firefly algorithm in cloud environment	P Ghosh, D Sarkar, J Sharma, S Phadikar	CSE	International Journal of Digital Crime and Forensics (IJDCF) 13 (2)	2021	DOI: 10.4018/IJDCF.2021030105	https://www.igi-global.com/journal/international-journal-digital-crime-forensics/1112	https://www.igi-global.com/article/an-intrusion-detection-system-using-modified-firefly-algorithm-in-cloud-environment/272834	Yes
252	Indian regional spoken language identification using deep learning approach	B Paul, S Phadikar, S Bera	CSE	Proceedings of the Sixth International Conference on Mathematics and Computing	2021	DOI: 10.1007/978-981-15-8061-1_21	https://link.springer.com/book/10.1007/978-981-15-8061-1	https://link.springer.com/chapter/10.1007/978-981-15-8061-1_21	Yes
253	Multiple-choice question generation with auto-generated distractors for computer-assisted educational assessment	B Das, M Majumder, S Phadikar, AA Sekh	CSE	Multimedia Tools and Applications 80 (21)	2021	31907-31925	https://www.springer.com/journal/11042	https://link.springer.com/article/10.1007/s11042-021-11222-2	Yes
254	Can deep learning solve a preschool image understanding problem?	B Das, AA Sekh, M Majumder, S Phadikar	CSE	Neural Computing and Applications 33 (21)	2021	14401-14411	https://www.springer.com/journal/521	https://link.springer.com/article/10.1007/s00521-021-06080-w	Yes-SCIE
255	Application of Meta-Heuristics on Reconstructing Gene Regulatory Network: A Bayesian Model Approach.	Mitra, S., Biswas, S., Acharyya, S.	CSE	IETE Journal of Research.	2021	https://doi.org/10.1080/03772063.2021.1946433	https://www.tandfonline.com/journals/tijr20	https://www.tandfonline.com/doi/full/10.1080/03772063.2021.1946433	Yes-SCI
256	Femtolet Based Low Power Hetnet Using Soft Fractional Frequency Reuse	Anwesha Mukherjee, Priti Deb & Debashis De	CSE	Wireless Personal Communications	2021	https://www.springeropen.com/	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s11277-021-08835-z	Yes-SCIE
257	Development of Graphene Oxide Nanosheets as Potential Biomaterials in Cancer Therapeutics: An In-Vitro Study Against Breast Cancer Cell Line	Yugal Kishore Mohanta, Kunal Biswas, Pradipta Ranjan Rauta, Awdhesh Kumar Mishra, Debashis De, Abeer Hashem, Al-Bandari Fahad Al-Arjani, Abdulaziz A. Alqarawi, Elsayed Fathi Abd-Allah, Saurov Mahanta & Tapan Kumar Mohanta	CSE	Journal of Inorganic and Organometallic Polymers and Materials	2021	https://link.springer.com/	https://www.springer.com/journal/10904	https://link.springer.com/article/10.1007/s10904-021-02046-6	Yes-SCIE
258	MAC Protocols for IEEE 802.11ah-Based Internet of Things: A Survey	Nurzaman Ahmed; Debashis De; Ferdous Ahmed Barbhuiya; Md. Iftekhar Hussain	CSE	IEEE Internet of Things Journal	2021	https://ieeexplore.ieee.org/	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6488907	https://ieeexplore.ieee.org/abstract/document/9512279	Yes-Scopus
259	iSocialDrone: QoS aware MQTT middleware for social internet of drone things in 6G-SDN slice	Amartya Mukherjee, Nilanjan Dey, Atreyee Mondal, Debashis De & Rubén González Crespo	CSE	Soft Computing	2021	https://link.springer.com/	https://www.springer.com/journal/500	https://link.springer.com/article/10.1007/s00500-021-06055-y	Yes-SCIE
260	Intelligent Internet of Things Enabled Edge System for Smart Healthcare	Partha Pratim Ray, Dinesh Dash & Debashis De	CSE	National Academy Science Letters	2021	https://link.springer.com/	https://www.springer.com/journal/40009	https://link.springer.com/article/10.1007/s40009-020-01003-0	Yes-SCIE
261	Spin Transport Properties in 1D DNA and Electrically Doped Iron Quantum Dot Organo-metallic Junction: A First Principle Paradigm	Debarati Dey Roy Pradipta Roy Debashis De	CSE	Nanomaterials, Nanotechnology, Simulation, Spintronics	2021	https://doi.org/10.21203/rs.3.rs-746271/v1	https://assets.researchsquare.com/	https://assets.researchsquare.com/files/rs-746271/v1_covered.pdf?c=1631875135	Yes-Scopus
262	In Vivo Biointeraction and Alleviation of Toxicity of MWCNTs upon Functionalization with ssDNA in a Caenorhabditis elegans Model	Swati Sinha, Tanaya Paul, Sudhanshu Mishra, Siddharth Shaw, Kunal Biswas, Debashis De, Angsuman Sarkar & Jaya Bandyopadhyay	CSE	Journal of Electronic Materials	2021	https://link.springer.com/	https://www.springer.com/journal/11664	https://link.springer.com/article/10.1007/s11664-021-09006-3	Yes-SCIE
263	Energy Efficient Configurable Layout of Logic Block in QCA Frame Work for an FPGA	Sadhu, Arindam; Sarkar, Rimpa D.; Das, Kunal; De, Debashis; Kanjilal, Maitreyi Ray	CSE	Bentham Science Publishers	2021	https://www.ingentaconnect.com/	https://benthamscience.com/journals/MNS	https://www.ingentaconnect.com/content/ben/mns/2021/00000013/00000002/art00007	Yes-Scopus
264	Design of thermometer code-to-gray code converter circuit in quantum-dot cellular automata for nano-computing network	Jadav Chandra Das & Debashis De	CSE	Photonic Network Communications	2021	https://link.springer.com/	https://www.springer.com/journal/11107	https://link.springer.com/article/10.1007/s11107-021-00937-9	Yes-SCIE
265	iGridEdgeDrone: Hybrid Mobility Aware Intelligent Load Forecasting by Edge Enabled Internet of Drone Things for Smart Grid Networks	Amartya Mukherjee, Prateeti Mukherjee, Debashis De & Nilanjan Dey	CSE	Amartya Mukherjee, Prateeti Mukherjee, Debashis De & Nilanjan Dey	2021	https://link.springer.com/	https://www.springer.com/journal/10766	https://link.springer.com/article/10.1007/s10766-020-00675-x	Yes-SCIE
266	Design of synchronous decimal counter using reversible Toffoli–Fredkin Netlist	Mahamuda Sultana, Ayan Chaudhuri, Diganta Sengupta, Debashis De & Atal Chaudhuri	CSE	Innovations in Systems and Software Engineering	2021	https://link.springer.com/	https://www.springer.com/journal/11334	https://link.springer.com/article/10.1007/s11334-020-00369-0	Yes-SCIE
267	IoUT: Modelling and simulation of Edge-Drone-based Software-Defined smart Internet of Underwater Things	KamalikaBhattacharjyaDebashisDe	CSE	Simulation Modelling Practice and Theory	2021	https://doi.org/10.1016/j.simpat.2021.102304	https://www.sciencedirect.com/journal/simulation-modelling-practice-and-theory	https://www.sciencedirect.com/science/article/abs/pii/S1569190X21000289	Yes-Scopus
268	E2M3: energy-efficient massive MIMO–MISO 5G HetNet using Stackelberg game	Subha Ghosh & Debashis De	CSE	The Journal of Supercomputing	2021	https://link.springer.com/	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-021-03809-1	Yes-SCIE

269	Electron transport properties of electrically doped guanine nano-sheet based bio-Zener diode: a first principle paradigm	Debarati Dey & Debashis De	CSE	Journal of Computational Electronics	2021	https://link.springer.com/	https://www.springer.com/journal/10825	https://link.springer.com/article/10.1007/s10825-021-01707-6	Yes-SCIE
270	Algorithmic Approach of Electrically Doped Single-walled Cytosine Nanotube-based Biomolecular Logic Gate: A First Principle Paradigm	Debarati Dey, Pradipta Roy & Debashis De	CSE	Journal of Electronic Materials	2021	https://link.springer.com/	https://www.springer.com/journal/11664	https://link.springer.com/article/10.1007/s11664-021-08739-5	Yes-SCIE
271	FarmFox: A Quad-Sensor-Based IoT Box for Precision Agriculture	Anirbit Sengupta; Biswajit Debnath; Abhijit Das; Debashis De	CSE	IEEE Consumer Electronics Magazine	2021	https://ieeexplore.ieee.org/	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=5962380	https://ieeexplore.ieee.org/abstract/document/9376995	Yes-Scopus
272	IoUT: Modelling and simulation of Edge-Drone-based Software-Defined smart Internet of Underwater Things	KamalikaBhattacharjyaDebashisDe	CSE	Simulation Modelling Practice and Theory	2021	https://doi.org/10.1016/j.simpat.2021.102304	https://www.sciencedirect.com/journal/simulation-modelling-practice-and-theory	https://www.sciencedirect.com/science/article/abs/pii/S1569190X21000289	Yes-Scopus
273	Electrically Doped Nanoscale Devices Using First-Principle Approach: A Comprehensive Survey	Debarati Dey, Debashis De, Ali Ahmadian, Ferial Ghaemi & Norazak Senu	CSE	Nanoscale Research Letters	2021	https://nanoscalereslett.springeropen.com/	https://nanoscalereslett.springeropen.com/	https://nanoscalereslett.springeropen.com/articles/10.1186/s11671-020-03467-x	Yes-Scopus
274	Implementation of biomolecular logic gate using DNA and electrically doped GaAs nano-pore: a first principle paradigm	Debarati Dey, Pradipta Roy & Debashis De	CSE	Journal of Molecular Modeling	2021	https://link.springer.com/	https://www.springer.com/journal/894	https://link.springer.com/article/10.1007/s00894-020-04623-x	Yes-SCIE
275	Algorithmic Approach of Electrically Doped Single-walled Cytosine Nanotube-based Biomolecular Logic Gate: A First Principle Paradigm	Debarati Dey, Pradipta Roy & Debashis De	CSE	Journal of Electronic Materials	2021	https://link.springer.com/	https://www.springer.com/journal/11664	https://link.springer.com/article/10.1007/s11664-021-08739-5	Yes-SCIE
276	Determining Protein–Protein Interaction Using Support Vector Machine: A Review	Arijit Chakraborty; Sajal Mitra; Debashis De; Anindya Jyoti Pal; Ferial Ghaemi; Ali Ahmadian; Massimiliano Ferrara	CSE	IEEE Access	2021	https://ieeexplore.ieee.org/	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6287639	https://ieeexplore.ieee.org/abstract/document/9320485	Yes-Scopus
277	Tea leaf disease detection using multi-objective image segmentation	Somnath Mukhopadhyay, Munti Paul, Ramen Pal & Debashis De	CSE	Multimedia Tools and Applications	2021	https://link.springer.com/	https://www.springer.com/journal/11042	https://link.springer.com/article/10.1007/s11042-020-09567-1	Yes-SCIE
278	Distributed bandwidth selection approach for cooperative peer to peer multi-cloud platform	Bipasha Mahato, Deepsubhra Guha Roy & Debashis De	CSE	Peer-to-Peer Networking and Applications	2021	https://link.springer.com/	https://www.springer.com/journal/12083	https://link.springer.com/article/10.1007/s12083-020-00917-2	Yes-Scopus
279	Application of Meta-Heuristics on Reconstructing Gene Regulatory Network: A Bayesian Model Approach	Suman Mitra,Surama Biswas &Sriyankar Acharyya	CSE	IETE Journal of Research	2021	3772063	https://www.tandfonline.com/journals/tijr20	https://www.tandfonline.com/doi/abs/10.1080/03772063.2021.1946433	yes
280	Insight into the Technical Challenges of Functional Bakery Products.	Susmita Chandra, Aditi Roy Chowdhury, Jayati Pal Chattopadhyay	Food Science	Journal of Environmental Science, Toxicology and Food Technology	2021	2319-2402	www.iosrjournals.org	https://www.iosrjournals.org/iosr-jestft/papers/Vol15-Issue9/Ser-1/D1509012938.pdf	No
281	Distributed bandwidth selection approach for cooperative peer to peer multi-cloud platform	Bipasha Mahato, Deepsubhra Guha Roy, D De	IT	Peer-to-Peer Networking and Applications	2021	1936-6450	https://www.springer.com/journal/12083	https://link.springer.com/article/10.1007/s12083-020-00917-2	Yes-SCIE
282	Guar gum propionate-kojic acid films for Escherichia coli biofilm disruption and simultaneous inhibition of planktonic growth	Aatrayee Das, Sonia Kundu, Mradu Gupta, Arup Mukherjee	Department of Biotechnology & Department of Food Science and Technology, MAKAUT, W.B	International Journal of Biological Macromolecules	2022	0141-8130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.sciencedirect.com/science/article/abs/pii/S0141813022010133#:~:text=High%20DS%20guar%20gum%20propionate,gum%20in%20LiCl%2FDMSO%20medium.&text=Bioactive%20catechol%20molecule%20like%20kojic,was%20utilized%20as%20bioderived%20resource.&text=Biosafe%20films%20were%20effective%20against,inhibition%20of%20planktonic%20cell%20propagation.	Yes-Scopus
283	Supramolecular Arrangement and DFT analysis of Zinc (II) Schiff Bases: An Insight towards the Influence of Compartmental Ligands on Binding Interaction with Protein.	Megha Sen Chowdhury, S. Gumus, S. Dasgupta, I.Majumder, Abir Bhattacharya, D. Das, J. Mukhopadhyay, D. Bose, S. Dasgupta, Y. Akinay and Madhumita Mukhopadhyay*. (* Corresponding author)	Department of Materials Science & Technology	Chemistry Open	2022	2191-1363	https://chemistry-europe.onlinelibrary.wiley.com/journal/21911363	https://chemistry-europe.onlinelibrary.wiley.com/doi/full/10.1002/open.202200033	Yes-Scopus

284	An Account on Functional Polymer Composite for Multivariant Application: A Mechanistic Approach.	Anamika Das, Alolika Ray, J. Mukhopadhyay , Moumita Mukherjee, S. Biswas and Madhumita Mukhopadhyay* (* Corresponding author)	Department of Materials Science & Technology	IOP-Journal of Physics	2022	1742-6588	https://iopscience.iop.org/journal/1742-6596	https://iopscience.iop.org/article/10.1088/1742-6596/2349/1/012020	Yes-Scopus
285	ZnAl2O4:Eu3+ Nanoparticle Phosphors Co-doped with Li+ for Red Light-Emitting Diodes	Arnab De, Bibek Samanta, Arnab Kumar Dey, Nisnat Chakraborty, Tapan Kumar Parya, Subhajit Saha*, Uttam Kumar Ghorai	Department of Renewable Energy Engineering	ACS Applied Nano Materials	2022	2574-0970	https://pubs.acs.org/journal/aanmf6	https://pubs.acs.org/doi/abs/10.1021/acsanm.1c03048	Yes-Scopus
286	Capital and Crime–Corruption Nexus in the Shadow of the Law: A Theoretical Analysis of Public Policy	Rohan Kanti Khan*, Sushobhan Mahata, Ranjanendra Narayan Nag	Department of Applied Economics	Public Finance Review	2022	1091-1421	https://journals.sagepub.com/home/pfr	https://journals.sagepub.com/doi/abs/10.1177/10911421221127098	Yes-Scopus
287	miRNAs in agriculture: controlling plant growth, development and stress responses	ChittabrataMal*, SurajitBhattacharya	Bioinformatics	Plant Gene	2022	2352-4073	https://www.sciencedirect.com/journal/plant-gene	https://www.sciencedirect.com/science/article/abs/pii/S2352407322000178	Yes-Scopus
288	LncRNA, miRNA and transcriptional co-regulatory network of breast and ovarian cancer reveals hub molecules	RajeshwaryShil, RajdeepGhosh, Ayushman KumarBanerjee, ChittabrataMal*	Bioinformatics	Human Gene	2022	2773-0441	https://www.sciencedirect.com/journal/human-gene	https://www.sciencedirect.com/science/article/pii/S2214540022000159	Yes-Scopus
289	GBP5 and ACSS3: two potential biomarkers of high-grade ovarian cancer identified through downstream analysis of microarray data	Ayooshi Mitra, Shrayana Ghosh, Sayam Porey & Chittabrata Mal*	Bioinformatics	Journal of Biomolecular Structure and Dynamics	2022	1538-0254	https://www.tandfonline.com/journals/tbsd20	https://www.tandfonline.com/doi/abs/10.1080/07391102.2022.2069866	Yes-Scopus
290	Simultaneous solar photo-degradation of PVC-Fe-doped-ZnO nanocomposite flakes and Methylene Blue dye in water	Anirban Roy, Saikat Maitra, Sampa Chakrabarti	Materials Science & Technology	Journal of Environmental Engineering and Landscape Management	2022	1648-6897	https://journals.vilniustech.lt/index.php/JEELM	https://journals.vilniustech.lt/index.php/JEELM/article/view/16743	Yes-Scopus
291	Antifungals and Drug Resistance	CM Hossain, Ryan LK, Gera M, Choudhuri S, Lyle N, Ali KA, Diamond G.	Department of Pharmaceutical Technology	Encyclopedia	2022	2309-3366	https://www.mdpi.com/journal/encyclopedia	https://doi.org/10.3390/encyclopedia2040118	Yes-Scopus
292	3D Bioprinting of Human Hollow Organs.	Panja N, Maji S, Choudhuri S, Ali KA, CM Hossain	Department of Pharmaceutical Technology	AAPS PharmSciTech	2022	1530-9932	https://www.springer.com/journal/12249	https://pubmed.ncbi.nlm.nih.gov/35536418/	Yes-Scopus
293	Effect of Vitamin U on High Fat Diet and Nicotine Induced Non-Alcoholic Fatty Liver Disease in Wistar Albino Rats	Bhattacharya I, CM Hossain, De A	Department of Pharmaceutical Technology	Systematic Reviews in Pharmacy.	2022	0975-8453	https://www.sysrevpharm.org/	https://www.sysrevpharm.org/articles/effect-of-vitamin-u-on-high-fat-diet-and-nicotine-induced-nonalcoholic-fatty-liver-disease-in-wistar-albino-rats-92908.html	NA
294	Fractal Dimension-Based Infection Detection in Chest X-ray Images	Sujata Ghatak, Satyajit Chakraborti, Mousumi Gupta, Soumi Dutta, Soumen Kumar Pati & Abhishek Bhattachariya	Department of Bioinformaticvs	Applied Biochemistry and Biotechnology	2022	0273-2289	https://www.springer.com/journal/12010	https://link.springer.com/article/10.1007/s12010-022-04108-y	Yes-SCIE
295	Missing value estimation of microarray data using Sim-GAN	Soumen Kumar Pati, Manan Kumar Gupta, Rinita Shai, Ayan Banerjee, Arijit Ghosh, Anirban Bej	Department of Bioinformaticvs	Knowledge and Information Systems	2022	0219-1377	https://www.springer.com/journal/10115	https://link.springer.com/article/10.1007/s10115-022-01718-0	Yes-SCIE
296	Digital signature technique with quantum-dot cellular automata	Arpita Kundu, Bikash Debnath, Jadav Chandra Das, and Debashis De	IT	IET Quantum Communication	2022	2632-8925	https://ietresearch.onlinelibrary.wiley.com/journal/26328925	https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/qtc2.12041	Yes-Scopus
297	RSCV: Reversible Select, cross and variation architecture in quantum-dot cellular automata	Arpita Kundu, Jadav Chandra Das, and Debashis De	IT	IET Quantum Communication	2022	2632-8925	https://ietresearch.onlinelibrary.wiley.com/journal/26328925	https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/qtc2.12040	Yes-Scopus
298	Targeting UNC-51-like kinase 1 and 2 by lignans to modulate autophagy: possible implications in metastatic colorectal cancer	A Sain, T Kandasamy, D Naskar	Dept. of Biotechnology	Molecular Diversity	2022	1573-501X	https://www.springer.com/journal/11030/?gclid=CjwKCAjwh4ObBhAzEiwAHzYU3GxXR7J1DiX1ELG3M8FF4WaFLCOTGGHkQDSvZz3aX38CiACPYX8nxoCxDwQAvD_BwE	https://link.springer.com/article/10.1007/s11030-022-10399-4	Yes
299	Targeting Protein Tyrosine Phosphatase 1B in Obesity-associated Colon Cancer: Possible Role of Sweet Potato (Ipomoea batatas)	Sain A, Khamrai D, Kandasamy D, Naskar D	Dept. of Biotechnology	Proteins Structure Function Bioinformatics	2022	1097-0134	https://onlinelibrary.wiley.com/journal/10970134	https://onlinelibrary.wiley.com/doi/abs/10.1002/prot.26316	Yes
300	Quercetin Attenuates Copper-Induced Apoptotic Cell Death and Endoplasmic Reticulum Stress in SH-SY5Y Cells by Autophagic Modulation	Joyeeta Chakraborty, Sourav Pakrashi, Arpita Sarbajna, Moumita Dutta, Jaya Bandyopadhyay	Dept. of Biotechnology	Biological Trace Element Research	2022	1559-0720	https://www.springer.com/journal/12011	https://link.springer.com/article/10.1007/s12011-022-03093-x	Yes
301	Magneto-hydrodynamics effects over a three-dimensional nanofluid flow through a stretching surface in a porous medium	S. Mishra H. Mondal,P.K.Kundu,P. Sibanda	Dept. of Applied Mathematics	Waves in Random and Complex Media	2022	1745-5049	https://www.tandfonline.com/journals/twrm20	https://www.tandfonline.com/doi/full/10.1080/17455030.2022.2055200	Yes

302	Newer guar gum ester/chicken feather keratin interact films for tissue engineering	Aatrayee Das, Ankita Das, Aalok Basu, Pallab Datta, Mradu Gupta and Arup Mukherjee	Department of Biotechnology	International journal of biological Macromolecules	2022	0141-8130	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.sciencedirect.com/science/article/abs/pii/S0141813021005523	Yes
303	An investigation of latent structures regarding purchase of smart phones and its validation through structural equation modelling	Shrestha De, Ayantika Maity, Udita Chatterjee, Anwesha Sengupta, Dr Banashree Sen	Dept of Applied Mathematics	JurnalTeknologi	2022	2180-3722	https://techvistas.makautwb.ac.in/	https://journals.utm.my/index.php/jurnalteknologi/article/view/11281	NA
304	The Technique Homotopy Perturbation Method operated on Laplace Equation	S Samajder, MH Khandaker, A Purkait, S Das, B Sen	Dept of Applied Mathematics	**Asian Journal of Science and Applied Technology**	2022	2249-0698	https://ojs.trp.org.in/index.php/ajsat	https://ojs.trp.org.in/index.php/ajsat/article/view/3295	Yes
305	GALACTIC WORMHOLE UNDER LOVELOCK GRAVITY	Koushik Chakraborty, Farook Rahaman, Saibal Ray, Banashree Sen, and Debabrata Deb 5	Dept of Applied Mathematics	Universe	2022	2218-1997	https://www.mdpi.com/journal/universe	https://www.mdpi.com/2218-1997/8/11/581	Yes
306	Activation energy and entropy generation in viscous nanofluid with higher order chemically reacting species	M Dhlamini, H Mondal, P Sibanda, S Motsa	Applied Mathematics	International Journal of Ambient Energy	2022	21628246	www.tandfonline.com/toc/taen20/current	https://www.tandfonline.com/doi/full/10.1080/01430750.2019.1710564	Yes
307	Modified decomposition solution of convex fins of different profile index with all power law dependent thermal properties	PK Roy, B Raj, H Mondal	Applied Mathematics	Forces in Mechanics 9, 100120	2022	2666-3597	www.sciencedirect.com/journal/forces-in-mechanics	https://www.sciencedirect.com/science/article/pii/S266635972200049X	Yes
308	Spectral quasilinearization method for Sisko nanofluid past a stretching cylinder with activation energy and entropy generation effects subject to variable thermal conductivity	A Samanta, H Mondal	Applied Mathematics	Heat Transfer 51 (8), 7773-7786	2022	2688-4542	onlinelibrary.wiley.com/journal/26884542	https://onlinelibrary.wiley.com/doi/10.1002/htj.22665	Yes
309	Features of entropy generation on viscous double-diffusion nanofluid flow over a vertical exponentially stretching surface	D Pal, S Mondal, H Mondal	Applied Mathematics	International Journal for Computational Methods in Engineering Science	2022	1550-2295	www.tandfonline.com/journals/ucme20	https://www.tandfonline.com/doi/full/10.1080/15502287.2021.1977421	Yes
310	A mathematical model for bioconvection flow with activation energy for chemical reaction and microbial activity	M Dhlamini, H Mondal, P Sibanda, SS Mosta, S Shaw	Applied Mathematics	Pramana 96 (2), 1-12	2022	0973-7111	www.ias.ac.in/Journals/Pramana_–_Journal_of_Physics/	https://www.ias.ac.in/article/fulltext/pram/096/0112	Yes
311	Entropy Generation in Double Diffusive Convective Magnetic Nanofluid Flow in Rotating Sphere with Viscous Dissipation	M Almakki, H Mondal, Z Mburu, P Sibanda	Applied Mathematics	Journal of Nanofluids 11 (3), 360-372	2022	2169-432X	Journal of Nanofluids (aspbs.com)	https://www.ingentaconnect.com/content/asp/jon/2022/00000011/00000003/art00006	Yes
312	Effect on Entropy Generation Analysis for Heat Transfer Nanofluid Near a Rotating Disk Using Quasilinearization Method	M Magodora, H Mondal, S Motsa, P Sibanda	Applied Mathematics	Journal of Nanofluids 11 (3), 318-327	2022	2169-432X	Journal of Nanofluids (aspbs.com)	https://www.ingentaconnect.com/content/asp/jon/2022/00000011/00000003/art00002;jsessionid=14b8sktr02ek1.x-ic-live-01	Yes
313	Sentiment Dynamics Detection of Online Learning Impact using Hybrid Approach	S Das, S Roy, R Bose, PP Acharjya, H Mondal	Applied Mathematics	Specialusis Ugdymas 1 (43), 1225-1236	2022	1392-5369	www.sumc.lt	https://www.sumc.lt/index.php/se/article/view/144/227	Yes
314	Analytical and numerical solution of the longitudinal porous fin with multiple power-law-dependent thermal properties and magnetic effects	PK Roy, H Mondal, B Raj	Applied Mathematics	Heat Transfer 51 (3), 2702-2722	2022	1521-0537	/onlinelibrary.wiley.com/journal/26884542	https://onlinelibrary.wiley.com/doi/full/10.1002/htj.22421	Yes
315	Magneto-hydrodynamics effects over a three-dimensional nanofluid flow through a stretching surface in a porous medium	H Mondal, S Mishra, PK Kundu	Applied Mathematics	Waves in Random and Complex Media, 1-14	2022	1745-5030	www.tandfonline.com/journals/twrm20	https://www.tandfonline.com/doi/full/10.1080/17455030.2022.2055200	Yes
316	Numerical Studies on Gold-Water Nanofluid Flow with Activation Energy Past A Rotating Disk	M Magodora, H Mondal, S Motsa, P Sibanda	Applied Mathematics	International Journal of Applied and Computational Mathematics 8 (1), 1-17	2022	2199-5796	www.springer.com/journal/40819	https://link.springer.com/article/10.1007/s40819-022-01241-4	Yes
317	Entropy Optimization in MHD Nanofluid Flow over an Exponential Stretching Sheet	P Sibanda, M Almakki, Z Mburu, H Mondal	Applied Mathematics	Applied Sciences 12 (21), 10809	2022	2523-3971	www.mdpi.com/journal/applsci/about	https://www.mdpi.com/2076-3417/12/21/10809/htm	Yes
318	Machine Learning Approach to Augment Performance of ISED Level-1 Students through their Online Learning Behaviour	S Das, PP Acharjya, H Mondal, M Nandan	Applied Mathematics	International Journal of Mechanical Engineering 7 (1), 5191-5204	2022	2319-2240	www.iaras.org/iaras/journals/ijme	https://kalaharijournals.com/resources/IJME_Vol7.1_502.pdf	Yes

319	Antibacterial potency of cytocompatible chitosan-decorated biogenic silver nanoparticles and molecular insights towards cell-particle interaction	SovanSamanta, JhimliBanerjee,BalaramDas, JayantaMandal, Soumendranath Chatterjee, Kazi MonjurAli, SangramSinha, BiplabGiri, TotanGhosh, Sandeep Kumar Dash	Applied Chemistry	International Journal of Biological Macromolecules	2022	1879-0003	https://www.sciencedirect.com/journal/international-journal-of-biological-macromolecules	https://www.sciencedirect.com/science/article/abs/pii/S0141813022017445	Yes
320	Correlation Study between On- set of Nafld with Physiological Parameters among Populations of Kolkata and Suburbs Facing Rapid Urbanization	Abhishek Sharma, and Susmita Chandra	Food Science	Journal of Food Science and Nutrition	2022	2470-1076	https://www.heraldopenaccess.us/journals/journal-of-food-science-nutrition	https://www.heraldopenaccess.us/openaccess/correlation-study-between-onset-of-nafld-with-physiological-parameters-among-populations-of-kolkata-and-suburbs-facing-rapid-urbanization	Yes
321	Effect of biphosphate salt on d ipalmitoylphosphatidyl choline bilayer deformation by Tat polypeptide	Piya Patra, Raja Banerjee and Jaydeb Chakrabarti	Biotechnology	Biopolymers	2022	0006-3525	https://onlinelibrary.wiley.com/journal/10970282	https://onlinelibrary.wiley.com/doi/10.1002/bip.23518	Yes
322	Biosorption of Acid dye by Jackfruit Leaf Powder: Isotherm, kinetics and Response surface methodology studies	Swagata Roy Chowdhury, Sebak Ranjan Roy, Aritra Ganguly, Rounak Ghosh, Suvajit Majumder, Archita Dasgupta, Ranjan Das, Anupam Kumar, Animesh Naskar*, Rajib Majumder	Food Science	***Journal of Experimental Biology and Agricultural Sciences***	2022	2320-8694	https://jebas.org/ojs/index.php/jebas	https://jebas.org/ojs/index.php/jebas/article/view/286	Yes
323	Prediction of consumer preference for the bottom of the pyramid using EEG-based deep model	Debadrita Panda, Debashis Das Chakladar and Tanmoy Dasgupta	SoMS	International Journal of computational science and engineering	2022	1742-7193	https://www.inderscienceonline.com/journal/ijcse	https://www.inderscienceonline.com/doi/abs/10.1504/IJCSE.2021.118094	Yes
324	Do celebrities influence urban and rural bottom of the pyramid consumers? A comparative study-based approach	Debadrita Panda, Tanmoy Dasgupta	SoMS	International Journal of Management Practice	2022	1741-8143	https://www.inderscienceonline.com/journal/ijmp	https://www.inderscienceonline.com/doi/abs/10.1504/IJMP.2022.126531?journalCode=ijmp	Yes
325	Maity. Photocatalytic dye degradation by magnetic XFe2O3 (X: Co, Zn, Cr, Sr, Ni, Cu, Ba, Bi, and Mn) nanocomposites under visible light: A cost efficiency comparison	Bachir Yaou Balarabe, Sagar Bowmik, Avijit Ghosh, and Prasenjit Maity	Department of Forensic Science & Technology	Journal of Magnetism and Magnetic Materials	2022	1873-4766	https://www.sciencedirect.com/journal/journal-of-magnetism-and-magnetic-materials	https://www.sciencedirect.com/science/article/abs/pii/S0304885322007156	Yes
326	A Comparative Study on the Influence of SAC305 Lead-Free Solder Sandwiched by Sn on the Micromechanical and Electrical Properties of the Joints	Monalisa Char,Amit K. Chakraborty,Arnab S. Bhattacharyya,Abhijit Kar	Department of Materials Scienc and Technology	Advanced Engineering Materials	2022	ISSN: 1527-2648	https://onlinelibrary.wiley.com/journal/15272648	https://onlinelibrary.wiley.com/doi/epdf/10.1002/adem.202100679	Yes
327	Neuropharmacological alterations by rice contaminant Stenotrophomonasmaltophilia: a detailed bio-molecular and mechanistic landscape, App Biochem Biotech, 194(5), 1955-1980.	Chattopadhyay M, Basak S, Das D, Karmakar T, Bagchi GK, Gupta M.	Department of Pharmaceutical Technology	Applied Biochemistry and Biotechnology	2022	0273-2289	https://www.springer.com/journal/12010	https://europepmc.org/article/med/35006552	Yes
328	Pharmacological studies of rhizomes of extract of Cyperus tegetum, emphasized on anticancer, anti-inflammatory and analgesic	Chatterjee A, Khanra R, Chattopadhyay Moitreyee, Ghosh S, Sahu R, Nandi G, Maji HS, Chakraborty P	Department of Pharmaceutical Technology	Journal of ethnopharmacology	2022	0378-8741	https://www.sciencedirect.com/journal/journal-of-ethnopharmacology	https://pubmed.ncbi.nlm.nih.gov/35085743/	Yes
329	Laminin Derived Peptides: A Promising And Tissue-Specific Approach	NAUREEN AFROSE, PALLABI PANJA, SANDIPAN DASGUPTA	Department of Pharmaceutical Technology	INTERNATIONAL JOURNAL OF	2022	ISSN: 0975-8232	https://ijpsr.com/bft-article/laminin-derived-peptides-a-promising-and-tissue-specific-approach/	https://ijpsr.com/bft-article/laminin-derived-peptides-a-promising-and-tissue-specific-approach/	Yes
330	Apple polyphenol phloretin complexed with ruthenium is capable of reprogramming the breast cancer microenvironment through modulation of PI3K/Akt/mTOR/VEGF pathways	SOUVIK ROY,ANIL KUMAR MONDRU,TANIYA CHAKRABORTY,AVIJIT DAS,SANDIPAN DASGUPTA	Dept. of Pharmacitics	PHARMACEUTICAL SCIENCES AND RESEARCH	2022	ISSN: 0041-008X	https://www.sciencedirect.com/journal/toxicology-and-applied-pharmacology	https://pubmed.ncbi.nlm.nih.gov/34896434/	Yes
331	Activation and Conversion of molecular nitrogen to the precursor of ammonia on silicon substituted cyclo[18]carbon: A DFT design	Sobitri Sen, Arijit Bag*, and Sourav Pal	Department of Applied Chemistry	ChemPhysChem	2022	1439-7641	https://chemistry-europe.onlinelibrary.wiley.com/journal/14397641	https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/cphc.202200627	Yes

332	Synthesis, Characterization and Multi Dimensional Application Approach of Two Distinctive Tetra Nuclear First Time Reported Fe3+/Hg2+ and Fe3+/Cd2+ clusters from a New Fe3+ Containing Metalloligand	Manik Das, Uttam Kumar Das, Arijit Bag, Soumik Laha, Bidhan Chandra Samanta, Indranil Choudhuri, Nandan Bhattacharyya, Tithi Maity	Department of Applied Chemistry	New Journal of Chemistry	2022	1144-0546	https://pubs.rsc.org/en/journals/journalissues/nj#!recentarticles&adv	https://pubs.rsc.org/en/content/articlelanding/2022/nj/d2nj03357g	Yes
333	Influence of Linker Orientation and Regulative Factor(s) in Liposomal Gene Delivery: A Molecular Level Investigation	Wahida Rahaman, Arijit Bag,* and Sourav Pal	Department of Applied Chemistry	Journal of Physical Chemistry A	2022	1089-5639	https://pubs.acs.org/journal/jpcafh	https://pubs.acs.org/doi/10.1021/acs.jpca.1c09681	Yes
334	Uncovering the geometrical aspects of intramolecular hydrogen bond in meta-benziporphodimethenes through molecular tailoring approach	Deepali Ahluwalia, Anil Kumar, Sudhir G. Warkar, Milind M. Deshmukh, Arijit Bag	Department of Applied Chemistry	Computational and Theoretical Chemistry	2022	2210-271X	https://www.sciencedirect.com/journal/computational-and-theoretical-chemistry	https://www.sciencedirect.com/science/article/abs/pii/S2210271X22000445	Yes
335	Schematic Design of Metal-Free NHC-Mediated Sequestering and Complete Conversion of SO2 to Thiocarbonyl S-Oxide Derivatives at Room Temperature	Ratan Logdi, Arijit Bag*, and Ashwani K. Tiwari	Department of Applied Chemistry	Journal of Physical Chemistry A	2022	1089-5639	https://pubs.acs.org/journal/jpcafh	https://pubs.acs.org/doi/10.1021/acs.jpca.1c07918	Yes
336	A Spineless Protest	Arijit Bag*	Department of Applied Chemistry	NEW ACADEMIA	2022	2347-2073	https://interactionsforum.com/new-academia	https://interactionsforum.com/images/pdfs/newacademia/v11/i2/Arjit.pdf	Yes
337	Last Train Of The Night At The Last Station	Arijit Bag*	Department of Applied Chemistry	NEW ACADEMIA	2022	2347-2073	https://interactionsforum.com/new-academia	https://interactionsforum.com/images/pdfs/newacademia/v11/i4/arjit.pdf	Yes
338	Reconstruction of high spectral resolution multispectral image using dictionary-based learning and sparse coding	Dipanwita Ghosh, Somdatta Chakravortty, Antonio J Plaza Miguel, Jun Li	IT	Geocarto International	2022	1752-0762	https://www.tandfonline.com/doi/abs/10.1080/10106049.2022.2040601	https://www.tandfonline.com/doi/abs/10.1080/10106049.2022.2040601	Yes
339	3D Bioprinting of Human Hollow Organs	Nabanita Panja, Sumana Maji, Sabyasachi Choudhuri, Kazi Asraf Ali, Chowdhury Mobaswar Hossain	Pharmaceutical Technology	AAPS PharmSciTech	2022	1530-9932	https://www.springer.com/journal/12249	https://doi.org/10.1208/s12249-022-02279-9	Yes
340	Antifungals and Drug Resistance	Kazi Asraf Ali and Gill Diamond Chowdhury Mobaswar Hossain, Lisa Kathleen Ryan, Meeta Gera, Sabyasachi Choudhuri, Nazmun Lyle	Pharmaceutical Technology	Encyclopedia	2022	2673-8392	https://www.mdpi.com/journal/encyclopedia	https://doi.org/10.3390/encyclopedia2040118	Yes
341	Tsalli's entropy-based segmentation method for accurate Pigmented skin lesion identification	I Bhakta, S Phadikar, K Majumder, A Sau, S Chowdhuri	CSE	IETE Journal of Research 68 (1)	2022	https://doi.org/10.1080/03772063.2019.1622459	https://www.tandfonline.com/journals/tijr20	https://www.tandfonline.com/doi/abs/10.1080/03772063.2019.1622459?cookieSet=1	Yes
342	An efficient SGM based IDS in cloud environment	P Ghosh, Z Alam, RR Sharma, S Phadikar	CSE	Computing 104 (3)	2022	553-576	https://www.springer.com/journal/607	https://link.springer.com/article/10.1007/s00607-022-01059-4	Yes
343	A novel pre-processing technique of amplitude interpolation for enhancing the classification accuracy of Bengali phonemes	B Paul, S Phadikar	CSE	Multimedia Tools and Applications	2022	1573-7721	https://www.springer.com/journal/11042	https://link.springer.com/article/10.1007/s11042-022-13594-5	Yes-SCIE
344	Biomedical term extraction using fuzzy association	B Das, M Majumder, S Phadikar, AA Sekh	CSE	Research Square	2022	DOI: https://doi.org/10.21203/rs.3.rs-1826096/v1	https://www.researchsquare.com/	https://www.researchsquare.com/article/rs-1826096/v1	Yes-SCIE
345	Automatic question generation and answer assessment for subjective examination	B Das, M Majumder, AA Sekh, S Phadikar	CSE	Cognitive Systems Research 72	2022	https://doi.org/10.1016/j.cogsys.2021.11.002	https://www.sciencedirect.com/	https://www.sciencedirect.com/science/article/abs/pii/S1389041721000826	Yes-Scopus
346	Spin transport properties in DNA & electrically doped iron QD organo-metallic junction.	Roy, D. D., Chanda, M., & De, D.	CSE	Materials Today: Proceedings.	2022	DOI: https://doi.org/10.1016/j.matpr.2022.08.332 Get	https://www.sciencedirect.com/journal/materials-today-proceedings	https://www.sciencedirect.com/science/article/pii/S2214785320555110	Yes-Scopus
347	DewCityGame: Dew Computing-based 5G IoT for Smart City Using Coalition Formation Game.	Ghosh, S., & De, D.	CSE	IETE Journal of Research	2022	https://doi.org/10.1080/03772063.2022.2120916	https://www.tandfonline.com/journals/tijr20	https://www.tandfonline.com/doi/abs/10.1080/03772063.2022.2120916	Yes-Scopus
348	An efficient and energy-aware design of a novel nano-scale reversible adder using a quantum-based platform.	Ahmadpour, S. S., Navimipour, N. J., Mosleh, M., Bahar, A. N., Das, J. C., De, D., & Yalcin, S. (2022).	CSE	Nano Communication Networks	2022	https://doi.org/10.1016/j.nancom.2022.100412	https://www.sciencedirect.com/journal/nano-communication-networks	https://www.sciencedirect.com/science/article/abs/pii/S1878778922000151	Yes-Scopus

349	DoME: Dew computing based microservice execution in mobile edge using Q-learning.	Chakraborty, S., De, D., & Mazumdar, K. (2022).	CSE	Applied Intelligence	2022	https://doi.org/10.1007/s10489-022-04087-x	https://www.springer.com/journal/10489	https://link.springer.com/article/10.1007/s10489-022-04087-x	Yes-SCIE
350	Sensitivity Measurement for Bio-TFET Considering Repulsive Steric Effects With Better Accuracy.	Bhattacharyya, A., De, D., & Chanda, M. (2022).	CSE	IEEE Transactions on Nanotechnology.	2022	DOI: 10.1109/TNANO.2022.3148922	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7729	https://ieeexplore.ieee.org/abstract/document/9706281	Yes-SCI
351	FL-Sleep: Temperature adaptive multi-attribute sleep-scheduling algorithm using hesitant fuzzy logic for Wireless Sensor Networks,	Partha Sarathi Banerjee, Satyendra Nath Mandal, Debashis De, Biswajit Maiti,	CSE	Applied Soft Computing	2022	https://doi.org/10.1016/j.asoc.2022.108910.	https://www.sciencedirect.com/journal/applied-soft-computing	https://www.sciencedirect.com/science/article/abs/pii/S1568494622002745	Yes-Scopus
352	Quantum-dot cellular automata based design of multifunction binary right shifter circuit.	Jadav Chandra Das, Debashis De,	CSE	Computers and Electrical Engineering	2022	DOI: 10.1016/j.compeleceng.2022.107998	https://www.sciencedirect.com/journal/computers-and-electrical-engineering	https://www.sciencedirect.com/science/article/abs/pii/S004579062200266X	Yes-Scopus
353	Corrigendum to Energy-Efficient Coverage Optimization in Wireless Sensor Networks based on Voronoi-Glowworm Swarm Optimization-K-means algorithm	Aparajita Chowdhury, Debashis De, Anindita Raychaudhuri, Mohana Bakshi,	CSE	Ad Hoc Networks	2022	https://doi.org/10.1016/j.adhoc.2022.102907.	https://www.sciencedirect.com/journal/ad-hoc-networks	https://www.sciencedirect.com/science/article/pii/S1570870522000968	Yes-Scopus
354	MedGini: Gini index based sustainable health monitoring system using dew computing,	Amiya Karmakar, Partha Sarathi Banerjee, Debashis De, Sourav Bandyopadhyay, Pritam Ghosh	CSE	Medicine in Novel Technology and Devices, Volume 16, 2022, 100145, ISSN 2590-0935,	2022	https://doi.org/10.1016/j.medntd.2022.100145.	https://www.sciencedirect.com/journal/medicine-in-novel-technology-and-devices	https://www.sciencedirect.com/science/article/pii/S2590093522000327?via%3Dihub	Yes-Scopus
355	Sustainable Spectrum Allocation Strategy for 5G Mobile Network.	Deb, P., De, D.	CSE	Wireless Personal Communications	2022	https://doi.org/10.1007/s11277-022-09738-3	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s11277-022-09738-3	Yes-SCIE
356	RAM: resource allocation in MIMO–MISO cognitive IoT for 5G wireless networks using two-level weighted majority cooperative game.	6. Ghosh, S., De, D.	CSE	The Journal of Supercomputing	2022	https://doi.org/10.1007/s11227-022-04546-9	https://www.springer.com/journal/11227/	https://link.springer.com/article/10.1007/s11227-022-04546-9	Yes-SCIE
357	OrangeMusic: An orange computing-inspired recommender framework in internet of music things.	Roy, S., Mukherjee, A., & De, D.	CSE	Internet Technology Letters	2022	https://doi.org/10.1002/itl2.331	https://onlinelibrary.wiley.com/journal/24761508	https://onlinelibrary.wiley.com/doi/abs/10.1002/itl2.331	Yes-Scopus
358	Genetic Algorithm based Internet of Precision Agricultural Things (IopaT) for Agriculture 4.0,	Sayan Kumar Roy, Debashis De,	CSE	Internet of Things	2022	https://doi.org/10.1016/j.iot.2020.100201.	https://www.sciencedirect.com/journal/internet-of-things	https://www.sciencedirect.com/science/article/pii/S2542660519300071	Yes-Scopus
359	"AgriStick: An IoT-Enabled Agricultural Appliance to Measure Growth of Jackfruit Using 2-Axis JoyStick,"	A. Sengupta, A. Mukherjee, A. Das and D. De,	CSE	IEEE Instrumentation & Measurement Magazine	2022	doi: 10.1109/MIM.2022.9759351	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=5289	https://ieeexplore.ieee.org/abstract/document/9759351	Yes-SCI
360	SigSense: Mobile Crowdsensing Based Incentive Aware Geospatial Signal Monitoring for Base Station Installation Recommendation Using Mixed Reality Game.	Bhattacharya, A., De, D.	CSE	Wireless Pers Commun 123, 2863–2894 (2022).	2022	https://doi.org/10.1007/s11277-021-09267-5	https://www.springer.com/journal/11277	https://link.springer.com/article/10.1007/s11277-021-09267-5	Yes-SCIE
361	Investigation of Anomalous Photon Management in Organic Nano Particles-coating Photovoltaic Solar Cells.	Roy, D.D., Saha, A. & De, D.	CSE	Silicon	2022	https://doi.org/10.1007/s12633-022-01827-z	https://www.springer.com/journal/12633	https://link.springer.com/article/10.1007/s12633-022-01827-z	Yes-SCIE
362	CGARP: Chaos genetic algorithm-based relay node placement for multifaceted heterogeneous wireless sensor networks.	Banerjee, P.S., Mandal, S.N., De, D. et al.	CSE	Innovations Syst Softw Eng	2022	https://doi.org/10.1007/s11334-022-00439-5	https://www.springer.com/journal/11334	https://link.springer.com/article/10.1007/s11334-022-00439-5	Yes-Scopus
363	Reversible quantum communication & systems.	Sengupta, D., Abd El-Latif, A., De, D., Navi, K., & Bagherzadeh, N.	CSE	IET Quantum Communication	2022	https://doi.org/10.1049/qtc2.12037	https://ietresearch.onlinelibrary.wiley.com/journal/26328925	https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/qtc2.12037	Yes-Scopus
364	Sensitivity Measurement for Bio-TFET Considering Repulsive Steric Effects With Better Accuracy	Bhattacharyya, A., De, D., & Chanda, M.	CSE	IEEE Transactions on Nanotechnology	2022	DOI: 10.1109/TNANO.2022.3148922	https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=7729	https://ieeexplore.ieee.org/abstract/document/9706281	Yes-SCI
365	DewBCity: blockchain network-based dew-cloud modeling for distributed and decentralized smart cities.	Hati, S., De, D., & Mukherjee, A.	CSE	The Journal of Supercomputing	2022	https://doi.org/10.1007/s11227-021-04203-7	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-021-04203-7	Yes-SCIE

366	Quality of experience aware recommendation system with IoT data filtration for handshaking among users using MQTT-SN protocol.	Guha Roy, D., Mahato, B., De, D., & Srirama, S. N.	CSE	Journal of Ambient Intelligence and Humanized Computing	2022	https://doi.org/10.1007/s12652-021-03644-5	https://www.springer.com/journal/12652	https://link.springer.com/article/10.1007/s12652-021-03644-5	Yes-SCIE
367	FedLens: federated learning-based privacy-preserving mobile crowdsensing for virtual tourism.	De, D.	CSE	Innovations in Systems and Software Engineering, 1-14.	2022	https://doi.org/10.1007/s11334-021-00430-6	https://www.springer.com/journal/11334	https://link.springer.com/article/10.1007/s11334-021-00430-6	Yes-SCIE
368	Low power design methodology in quantum-dot cellular automata.	Sadhu, A., Das, K., De, D., & Kanjilal, M. R. .	CSE	Computers & Electrical Engineering	2022	https://doi.org/10.1016/j.compeleceng.2021.107638	https://www.sciencedirect.com/journal/computers-and-electrical-engineering	https://www.sciencedirect.com/science/article/pii/S0045790621005644	Yes-Scopus
369	MultiMICS: A Contextual Multifaceted Intelligent Multimedia Information Fusion Paradigm	Samarjit Roy, Satanu Maity, Debashis De	CSE	Innovations in Systems and Software Engineering - A NASA Journal	2022	https://doi.org/10.1007/s11334-022-00438-6	https://www.springer.com/journal/11334	https://link.springer.com/article/10.1007/s11334-022-00438-6	Yes-SCIE
370	DewBCity: blockchain network-based dew-cloud modeling for distributed and decentralized smart cities.	Hati, S., De, D., & Mukherjee, A. (2022).	CSE	*The Journal of Supercomputing, 1-21.*	2022	https://doi.org/10.1007/s11227-021-04203-7	https://www.springer.com/journal/11227	https://link.springer.com/article/10.1007/s11227-021-04203-7	Yes-SCIE
371	Quality of experience aware recommendation system with IoT data filtration for handshaking among users using MQTT-SN protocol.	Guha Roy, D., Mahato, B., De, D., & Srirama, S. N. (2022).	CSE	*Journal of Ambient Intelligence and Humanized Computing, 1-16.*	2022	DOI https://doi.org/10.1007/s12652-021-03644-5	https://www.springer.com/journal/12652	https://link.springer.com/article/10.1007/s12652-021-03644-5	Yes-SCIE
372	Randomized Balanced Grey Wolf Optimizer (RBGWO) for solving real life optimization problems	JoyAdhikary & SriyankarAcharyya	CSE	Applied Soft Computing	2022	1568-4946	https://www.sciencedirect.com/journal/applied-soft-computing	https://www.sciencedirect.com/science/article/abs/pii/S1568494622000114	Yes
373	Correlation Study between On- set of Nafld with Physiological Parameters among Populations of Kolkata and Suburbs Facing Rapid Urbanization	Abhishek Sharma , and Susmita Chandra	Food Science	Journal of Food Science and Nutrition	2022	DOI: 10.24966/FSN-1076/100131	https://www.alliedacademies.org/journal-food-science-nutrition/	https://www.heraldopenaccess.us/openaccess/correlation-study-between-onset-of-nafld-with-physiological-parameters-among-populations-of-kolkata-and-suburbs-facing-rapid-urbanization	Yes
374	Type-2 fuzzy blended improved D-S evidence theory based decision fusion for face recognition	ManasGhosh, AniruddhaDey, Sayan Kahali	IT	Applied Soft Computing	2022	1568-4946	https://www.sciencedirect.com/journal/applied-soft-computing	https://www.sciencedirect.com/science/article/abs/pii/S1568494622004264	Yes
375	Fractional-weighted entropy-based fuzzy G-2DLDA algorithm: a new facial feature extraction method	Manas Ghosh & Aniruddha Dey	IT	Multimedia Tools and Applications	2022	1573-7721	https://www.springer.com/journal/11042	https://link.springer.com/article/10.1007/s11042-022-13328-7	Yes