



Narula Institute of Technology

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Research Publications UGC Notified Journal

2019-20



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Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		Is it listed in UGC Care list/Scopus/ Web of Science/other, mention
					Link to website of the Journal	Link to article/paper/abstract of the article	
A Proposal to Adjust the Time-Keeping Systems for Savings in Cycling Operation and Carbon Emission	Amlan Chakrabarti	Springer : Journal of the Institution of Engineers (India) : Series B	2019-2020	Electronic ISSN2250-2114, Print ISSN2250-2106	https://link.springer.com/article/10.1007%2Fs40031-019-00419-7	https://doi.org/10.1007/s40031-019-00419-7	SPRINGER
Development of a wireless intravenous drip rate monitoring device	Dr. Anilesh Dey	International Journal of Sensor Networks	2019-2020	ISSN :1748-1287	https://www.inderscience.com/	https://www.inderscience.com/info/inarticle.php?articleid=98287	Scopus, Web of Science
A Comprehensive Assessment of the Need and Availability of Smart Grid Technologies in an Electricity Distribution Grid Network.	Amlan Chakrabarti	Journal of The Institution of Engineers (India): Series B by Springer	2019-2020	Electronic ISSN 2250-2114 Print ISSN 2250-2106	https://www.springer.com/journal/40031	https://link.springer.com/article/10.1007%2Fs40031-020-00486-1	SPRINGER



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A Review of Testing Technology in Web Application System	Shyamapriya Chowdhury	International Research Journal of Engineering and Technology (IRJET)	2019-2020	e-ISSN: 2395-0056 p-ISSN: 2395-0072	https://www.irjet.net/	https://www.irjet.net/archives/V6/i5/IRJET-V6I5963.pdf	UGC CARE
Area-Delay-Energy aware SRAM memory cell and M × N parallel read/write memory array design for quantum dot cellular automata	Dr. M .R. Kanjilal	Microprocessors and Microsystems: Embedded Hardware Design (MICPRO)	2019-2020	ISSN: 0141-9331	https://www.sciencedirect.com/science/journal/01419331	https://www.sciencedirect.com/science/article/abs/pii/S0141933118300668	Elsevier
Study Of The Effects Of A Crack In Statically Loaded Structural Elements With The Aid Of Piezosensor	Mr. Goutam Roy	Reason-A Technical Journal	2019-2020	ISSN 2277-1654	http://www.i-scholar.in/index.php/RTJ	http://www.i-scholar.in/index.php/RTJ/article/view/196161	I-SCHOLAR
Multimedia Data Mining and its Relevance Today - An Overview	Anirban Bhar	International Journal of Research in Engineering, Science and Management	2019-2020	ISSN (Online): 2581-5792	https://www.ijresm.com/	https://www.ijresm.com/Vol.2 2019/Vol2 Iss5 May19/IJRESM_V2_I5_257.pdf	UGC CARE



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Universal Reversible Combinational Circuit Design using Quantum Dot Cellular Automata	Shyamapriya Chowdhury	International Journal for Research in Applied Science & Engineering Technology	2019-2020	ISSN: 2321-9653	https://www.ijraset.com/	https://www.ijraset.com/fileserve.php?FID=23346	ICI
Smart Blind Cane With Alarm Kit And Location Sharing System	Bansari Deb Majumder	IOSR Journal of Electrical and Electronics Engineering (IOSR-JEEE)	2019-2020	ISSN: 2320-3331	https://www.iosrjournals.org/iosr-jeee.html	http://www.iosrjournals.org/iosr-jeee/Papers/Vol14-Issue5/Series=2/C1405021216.pdf	UGC recognized
A Review of Testing Technology in Web Application System	Anirban Bhar	International Research Journal of Engineering and Technology (IRJET)	2019-2020	e-ISSN: 2395-0056 p-ISSN: 2395-0072	https://www.irjet.net/	https://www.irjet.net/archives/V6/i5/IRJET-V6I5963.pdf	UGC CARE
Multimedia Data Mining and its Relevance Today - An Overview	Soumya Bhattacharyya	International Journal of Research in Engineering, Science and Management	2019-2020	ISSN (Online): 2581-5792	https://www.ijresm.com/	https://www.ijresm.com/Vol.2_2019/Vol2_Iss5_May19/IJRESM_V2_I5_257.pdf	UGC CARE



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Universal Reversible Combinational Circuit Design using Quantum Dot Cellular Automata	Sujata Kundu	International Journal for Research in Applied Science & Engineering Technology	2019-2020	ISSN: 2321-9653	https://www.ijraset.com/	https://www.ijraset.com/fileserve.php?FID=23346	ICI
A Novel Design of 12-bit Digital Comparator Using Multiplexer for High Speed Application in 32-nm CMOS Technology	Dr.Saradindu Panda	IETE Journal of Research, Taylor & Francis,	2019-2020	Print ISSN: 0377-2063 Online ISSN: 0974-780X	https://www.tandfonline.com/toc/tijr/20/current	https://www.tandfonline.com/doi/abs/10.1080/03772063.2019.1649204	Taylor & Francis,
Human Emotion Recognition using GSR and EEG	Susmita Das	International Journal of Scientific and Research Publications (IJSRP)	2019-2020	ISSN 2250-3153	http://www.ijsrp.org/	http://dx.doi.org/10.29322/IJSRP.10.05.2020.p10146	UGC recognized
Universal Reversible Combinational Circuit Design using Quantum Dot Cellular Automata	Soumya Bhattacharyya	International Journal for Research in Applied Science & Engineering Technology	2019-2020	ISSN: 2321-9653	https://www.ijraset.com/	https://www.ijraset.com/fileserve.php?FID=23346	ICI



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Allocating the variable costs of transmission lines due to elastic loads in a congested power market.	Bishaljit Paul	Contemporary Issues in Computing	2019-2020	978-1-948012-16-4	https://www.intelcomp-design.com/paper/1cic2020/99-102.pdf	https://www.intelcomp-design.com/paper/1cic2020/99-102.pdf	UGC recognized
A Review of Testing Technology in Web Application System	Sujata Kundu	International Research Journal of Engineering and Technology (IRJET)	2019-2020	e-ISSN: 2395-0056 p-ISSN: 2395-0072	https://www.irjet.net/	https://www.irjet.net/archives/V6/i5/IRJET-V6I5963.pdf	UGC CARE
Universal Reversible Combinational Circuit Design using Quantum Dot Cellular Automata	Anirban Bhar	International Journal for Research in Applied Science & Engineering Technology	2019-2020	ISSN: 2321-9653	https://www.jiraset.com/	https://www.jiraset.com/fileserve.php?FID=23346	ICI
A Review of Testing Technology in Web Application System	Soumya Bhattacharyya	International Research Journal of Engineering and Technology (IRJET)	2019-2020	e-ISSN: 2395-0056 p-ISSN: 2395-0072	https://www.irjet.net/	https://www.irjet.net/archives/V6/i5/IRJET-V6I5963.pdf	UGC CARE



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Investigation and Analysis of Power System Faults with Soft Computational Techniques	Dr. NABAMITA BANERJEE ROY	Automated Software Testing, First Online 04 February 2020, Publisher Name Springer, Singapore	2019-2020	Print ISBN 978-981-15-2454-7 Online ISBN 978-981-15-2455-4.	https://www.springer.com/gp/book/9789811524547	https://link.springer.com/chapter/10.1007/978-981-15-2455-4_7	SPINGER
A Comprehensive Assessment of the Need and Availability of Smart Grid Technologies in an Electricity Distribution Grid Network.	SUDHAN GSHU SARKAR	Journal of The Institution of Engineers (India): Series B by Springer	2019-2020	Electronic ISSN 2250-2114 Print ISSN 2250-2106	https://www.springer.com/journal/40031	https://link.springer.com/article/10.1007%2Fs40031-020-00486-1	SPINGER
Multimedia Data Mining and its Relevance Today - An Overview	Shyamapriya Chowdhury	International Journal of Research in Engineering, Science and Management	2019-2020	ISSN (Online): 2581-5792	https://www.ijresm.com/	https://www.ijresm.com/Vol.2_2019/Vol2_Iss5_May19/IJRESM_V2_I5_257.pdf	UGC CARE
Implementation of PID control Based Hybrid Model for Gesture Controlled Robotic Arm	Bansari Deb Majumder	International Journal of Computer Science and Engineering	2019-2020	E-ISSN: 2347-2693	https://www.ijcseonline.org/	https://www.ijcseonline.org/pdf_spl_paper_view.php?paper_id=1390&2-IJCE-2.pdf	UGC recognized

Approach of Mental State Analysis using EEG	Susmita Das	International Journal of Scientific and Research Publications (IJSRP)	2019-2020	ISSN 2250-3153	http://www.ijsrp.org/	http://www.ijsrp.org/research-paper-0220.php?rp=P989629	UGC recognized
Multifunctional Admittance type Sensor and its Instrumentation for Simultaneous Measurement of Liquid level and Temperature	Bansari Deb Majumder	IEEE Transaction on Instrumentation and measurements	2019-2020	Print ISSN: 0018-9456	https://ieeexplore.ieee.org/	https://ieeexplore.ieee.org/document/9272781	SCI
A Comprehensive Assessment of the Need and Availability of Smart Grid Technologies in an Electricity Distribution Network.	Ushnik Chakrabarti	Journal of The Institution of Engineers (India): Series B by Springer	2019-2020	Electronic ISSN 2250-2114 Print ISSN 2250-2106	https://www.springer.com/journal/40031	https://link.springer.com/article/10.1007%2Fs40031-020-00486-1	SPRINGER
Improvement of optical extinction by various wideband dielectrics with ag and aunanoparticle on metal-dielectric-semicond	Dr.Saradindu Panda	Nanoscience and Nanotechnology - Asia	2019-2020	ISSN: 2210-6820 (Online)	https://www.eurekaselect.com/694/journal/nanoscience-amp-nanotechnology-asia	DOI : 10.2174/2210681209666190830100710	SCOPUS



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uctor structure in solar cell							
Utilization of LTEEx feynman gate in designing the QCA based reversible binary to gray and gray to binary code converters	Dr.Saradindu Panda	Micro and Nanosystems	2019-2020	ISSN: 1876-4037 (Online)	https://www.eurekaselect.com/683/journal/micro-and-nanosystems	DOI : 10.2174/1876402912666200127162526	SCOPUS
A genetically trained neural network for prediction of path loss in outdoor microcell	Dr.Sandhya Pattanayak	IJARET	2019-2020	ISSN Print: 0976-6480 and ISSN Online: 0976-6499	https://www.ijaret.com/	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3599786	SCOPUS
Approach to Solve Multi-Criteria Group Decision Making Problems by Exponential Operational Law in Generalised Spherical Fuzzy	Mr. Avishek Chakraborty	CAAI Transactions on Intelligence Technology	2019-2020	ISSN 2468-2321	www.ietdl.org	https://ietresearch.onlinelibrary.wiley.com/doi/epdf/10.1049/trit.2019.0078	IET Journals



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Environment							
Cylindrical Neutrosophic Single-Valued Number and its Application in Networking problem, Multi Criterion Decision Making Problem and Graph Theory	Mr. Avishek Chakraborty	CAAI Transactions on Intelligence Technology	2019-2020	ISSN 2468-2322	https://ietresearch.onlinelibrary.wiley.com	https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/trit.2019.0083	IET Journals
A comparative alcohol efficacy for the synthesis of sustainable fuel	Dr. Sumit Nandi	Journal of Environmental Science, Computer Science and Engineering & Technology	2019-2020	E-ISSN: 2278-179X	www.jecet.org	DOI:10.24214/jecet.A.9.4.73947	Web of Science
Power analysis attack resistable hardware cryptographic circuit design using reversible logic gate	Mr. Puspak Pain	Microsystem Technologies	2019-2020	ISSN 0946-7076	https://www.springer.com/journal/542	https://link.springer.com/article/10.1007/s00542-019-04581-2	SCOPUS



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in quantum cellular automata							
Studies on Schumann Resonance Phenomena and Some Recent Advancements	Mr. Abhijit Ghosh	Geomagnetism and Aeronomy	2019-2020	EISSN1555-645X	https://www.springer.com/journal/11478	https://link.springer.com/article/10.1134/S0016793219080073	SCOPUS
Significance of Remote Sensing in Healthcare Monitoring.	Mr. Pranab Hazra	International Journal of Engineering and Advance Technology	2019-2020	E-ISSN:2249-8958	https://www.ijeat.org/	https://www.ijeat.org/wp-content/uploads/papers/v9i4/C6532029320.pdf	SCOPUS
Studies on Schumann Resonance Phenomena and Some Recent Advancements	Mr. Pranab Hazra	Geomagnetism and Aeronomy	2019-2020	EISSN1555-645X	https://www.springer.com/journal/11478	https://link.springer.com/article/10.1134/S0016793219080073	SCOPUS



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Genome sequence comparison under a new form of trinucleotide representation based on biochemical properties of nucleotides	Dr. Subhram Das	GENE	2019-2020	ISSN 0378-1119	https://www.sciencedirect.com/	https://www.sciencedirect.com/science/article/abs/pii/S0378111919309163	ELSEVIER
A new graph-theoretic approach to determine the similarity of genome sequences based on nucleotide triplets	Dr. Subhram Das	Genomics	2019-2020	ISSN 0888-7543	https://www.sciencedirect.com/	https://www.sciencedirect.com/science/article/abs/pii/S088875431930638X	ELSEVIER
Text Polarity Detection using Multiple Supervised Machine Learning Algorithms	Mousumi Saha	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019-2020	E-ISSN:2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v9i3/C8449019320.pdf	SCOPUS
Recognition of hindi and bengali handwritten and typed text from images using tesseract on android platform	Shubhen du Banerjee	International Journal of Innovative Technology and Exploring Engineering	2019-2020	2229-5518	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v9i1/A5252119119.pdf	SCOPUS



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Experimental and Numerical free vibration analysis of laminated composite plates with arbitrary cut-outs	Arpita Mandal	Institution of Engineers (India): Series C	2019-2020	22500545, 22500553	https://www.springer.com/journal/40032	https://link.springer.com/article/10.1007/s40032-019-00537-7	SCOPUS
Behavioural Study of R/C Natural Draught Cooling Tower under Gravity Load using Different Support Orientations	Abhishek Hazra	IJEAT	2019-2020	SCOPUS 2249-8958 (Online)	https://www.ijeat.org/	https://www.ijeat.org/wp-content/uploads/papers/v10i1/A17751010120.pdf	SCOPUS
Text Polarity Detection using Multiple Supervised Machine Learning Algorithms	Tamasree Biswas	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019-2020	E-ISSN:2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v9i3/C8449019320.pdf	SCOPUS
Sensors In Precision Agriculture: A Survey On Application, Security And Privacy	Ananya Banerjee	Advances and Applications in Mathematical Sciences	2019-2020	ISSN - 0974-6803	https://www.mililink.com/journals_desc.php?id=59	https://www.mililink.com/upload/article/862829460aams_vol_189_july_2019_a15_p949-957_a_chakraborty_and_s.saha.pdf	UGC recognized



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Melanoma Diagnosis Using Deep Learning and Fuzzy Logic	Shubhen du Banerjee	Diagnos tics	2019-2020	2075-4418	https://www.mdpi.com/2075-4418/10/8/577	https://www.mdpi.com/2075-4418/10/8/577	Scopus & SCI
Recognitio n of English Handwriti ng and Typed from Images using Tesseract on Android Platform	Shubhen du Banerjee	Internati onal Journal of Advance d Science and Technolo gy	2019-2020	2005-4238	http://sersc.org/journals/index.php/IJAST/index	http://sersc.org/journals/index.php/IJAST/article/view/24573	UGC CARE
De-Neutrosop hication Technique of Pentagona l Neutrosop hic Number and Applicatio n in Minimal Spanning Tree	Mr. Avishek Chakrab orty	Neutroso phic Sets & Systems	2019-2020	ISSN (print): 2331-6055	http://fs.unm.edu/NSS/	https://zenodo.org/record/3514383#.YSz7-o4zblU	springer
Disjunctiv e Represent ation of Triangular Bipolar Neutrosop hic Numbers, De-Bipolariza tion Technique and Applicatio	Mr. Avishek Chakrab orty	Symmetr y(SCI)	2019-2020	ISSN 2073-8995	https://www.mdpi.com/journal/symmetry	https://www.mdpi.com/2073-8994/11/7/932	SCI



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n in Multi-Criteria Decision-Making Problems							
Some properties of Pentagonal Neutrosophic Numbers and its Applications in Transportation Problem Environment	Mr. Avishek Chakraborty	Neutrosophic Sets & Systems	2019-2020	ISSN (print): 2331-6055	https://zenodo.org/record/3382542#.YSz8Zl4zblU	https://zenodo.org/record/3382542#.YSz8Zl4zblU	UGC recognized
A comparative alcohol efficacy for the synthesis of sustainable fuel	Dr. Rupa Bhattacharya	Journal of Environmental Science, Computer Science and Engineering & Technology	2019-2020	E-ISSN: 2278-179X	www.jecet.org	DOI:10.24214/jecet.A.9.4.73947	Web of Science
Different Linear and Non-linear Form of Trapezoidal Neutrosophic Numbers, De-Neutrosophication Techniques and its Application	Mr. Avishek Chakraborty	Rairo Operation Research (SCI)	2019-2020	ISSN: 0399-0559 - eISSN: 1290-3868	www.rairo-ro.org	https://doi.org/10.1051/ro/2019090	SCI



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n in Time-Cost Optimization Technique, Sequencing Problem							
Hexagonal Fuzzy Number and its Distinctive Representation, Ranking, Defuzzification Technique and Application in Production Inventory Management Problem	Mr. Avishek Chakraborty	Granular Computing, Springer	2019-2020	Print ISSN 2364-4966	https://link.springer.com/article/10.1007/s41066-020-00212-8	https://link.springer.com/article/10.1007/s41066-020-00212-8	SCOPUS
De_fuzzification of Linear Interval_Valued Intuitionistic Fuzzy Number, and its Application in Operation Research Arena	Shilpi Pal	International Journal of Operation Research SCOPUS	2019-2020	online ISSN1745-7653	https://www.inderscience.com	https://www.inderscience.com/info/general/forthcoming.php?jcode=ijor	SCOPUS



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Measures of Linear and Nonlinear Interval Valued Hexagonal Fuzzy Number	Mr. Avishek Chakraborty	IJFSA, IGI GLOBAL	2019-2020	ISSN: 2156-177X	https://www.igi-global.com/journal/international-journal-fuzzy-system-applications/41876	https://www.igi-global.com/article/measures-of-linear-and-nonlinear-interval-valued-hexagonal-fuzzy-number/259936	SCOPUS
WLMS-based Transmission Refined Self-Adjusted No Reference Weather Independent Image Visibility Improvement	Mrs. Sangita Roy	IETE Journal of Research	2019-2020	https://doi.org/10.1080/03772063.2019.1662335	https://www.tandfonline.com/toc/tijr/20/current	https://www.tandfonline.com/doi/full/10.1080/03772063.2019.1662335	Taylor & Francis,
Even big data is not enough: need for a novel reference modelling for forensic document authentication	Dr Biswajit Halder	International Journal on Document Analysis and Recognition (IJ DAR)	2019-2020	Electronic ISSN1433-2825	https://www.springerprofessional.de/en/international-journal-on-document-analysis-and-recognition-ijdar/11638972	https://www.springerprofessional.de/en/even-big-data-is-not-enough-need-for-a-novel-reference-modelling/17271842	SCOPUS
Building a Trust-based Doctor Recommendation System on top of Multilayer Graph Database	Safikureshi Mondal	Journal of Biomedical Informatics	2019-2020	ISSN 1532-0464	https://pubmed.ncbi.nlm.nih.gov/32871286/	https://pubmed.ncbi.nlm.nih.gov/32871286/	ELSEVIER



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A comprehensive study of a backlogging EOQ model with nonlinear heptagonal dense fuzzy environment	Mr. Avishek Chakraborty	Rairo Operation Research (SCI)	2019-2020	ISSN: 0399-0559 - eISSN: 1290-3868	https://www.rairo-ro.org/articles/ro/abs/2020/01/ro180241/ro180241.html	https://doi.org/10.1051/ro/2018114	SCI
A New Approach to Evaluate Linear Programming Problem in Pentagonal Neutrosophic Environment	Mr. Avishek Chakraborty	Complex & Intelligent System, Springer SCI (I.F-3.79)	2019-2020	2198-6053	https://www.springer.com/journal/40747	https://doi.org/10.1007/s40747-020-00181-0	Springer SCI
A Study of Social Media linked MCGDM Skill under Pentagonal Neutrosophic Environment in the Banking Industry	Mr. Avishek Chakraborty	Neutrosophic Sets and System SCOPUS (I.F-1.73)	2019-2020	ISSN: 2331-608X	https://digitalrepository.unm.edu/cgi/viewcontent.cgi?article=1561&context=nss_journal	https://digitalrepository.unm.edu/cgi/viewcontent.cgi?article=1561&context=nss_journal	SCOPUS
Triangular Neutrosophic Based Production Reliability Model of Deteriorating Item with Ramp Type Demand under	Shilpi Pal	Neutrosophic Sets and System SCOPUS (I.F-1.73)	2019-2020	DOI: 10.5281/zenodo.3951684	https://zenodo.org/record/3951684#.YS0BHo4zbl	https://zenodo.org/record/3951684#.YS0BHo4zbl	SCOPUS



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Shortages and Time Discounting							
Utilisation of Waste Cooking Oil as Biodiesel through Bioprocess Technology	Dr. Rupa Bhattacharya	International Journal for Research in Applied Science & Engineering Technology	2019-2020	ISSN: 2321-9653	https://www.ijraset.com/	https://www.ijraset.com/fileserve.php?FID=27408	UGC recognized
Arithmetic and Geometric Operators of Pentagonal Neutrosophic Number and its Application in Mobile Communication Based MCGDM Problem	Mr. Avishek Chakraborty	Neutrosophic Sets & Systems	2019-2020	ISSN (print): 2331-6055	http://fs.unm.edu/NSS/	https://zenodo.org/record/3723145#.YSOCbo4zbiU	SCI
Resonance States of Hadronic Three-Body Ions: Stabilization Method	Dr. Tapan Kumar Mukherjee	Jour. At. Mol. Cond. & Nano Physics	2019-2020	ISSN2349-2716	https://www.rgnpublications.com/journals/index.php/jamcnp/	https://www.rgnpublications.com/journals/index.php/jamcnp/article/download/1389/1024	UGC CARE



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Impact of Social Media in Banking Sector under Triangular Neutrosophic Arena Using MCGDM Technique	Mr. Avishek Chakraborty	Neutrosophic Sets and System SCOPUS (I.F-1.73)	2019-2020	ISSN: 2331-608X	https://digitalrepository.nm.edu/nss_journal/	https://digitalrepository.nm.edu/cgi/viewcontent.cgi?article=1563&context=nss_journal	SCOPUS
Melanoma Diagnosis Using Deep Learning and Fuzzy Logic	Mr. Avishek Chakraborty	Diagnostics, SCI (I.F-3.12)	2019-2020	doi:10.3390/diagnostics10080577	https://www.mdpi.com/2075-4418/10/8/577/htm	https://www.mdpi.com/2075-4418/10/8/577	SCI
Investigation of biodiesel from Canola Oil deodorizer distillate using dual biocatalyst	Dr. Sumit Nandi	Asian Journal of Applied Science and Technology	2019-2020	2456-883X	http://ajast.net/	http://ajast.net/data/uploads/22137.pdf	ISI
Oil to biodiesel from two potential sources – A 360 degree comparative study	Dr. Sumit Nandi	Asian Journal of Applied Science and Technology	2019-2020	2456-883X	http://ajast.net/	http://ajast.net/data/uploads/43113.pdf	ISI



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Classification of Trapezoidal Bipolar Neutrosophic Numbers, De-Bipolarization and Implementation in Cloud Service Based MCGDM Problem	Mr. Avishek Chakraborty	Complex & Intelligent System, Springer SCI (I.F-3.79)	2019-2020	2198-6053	https://www.springer.com/journal/40747	https://link.springer.com/article/10.1007%2Fs40747-020-00170-3	Springer SCI
Defuzzification of Linear Interval Valued Intuitionistic Fuzzy Number, and its Application in Operation Research Arena	Mr. Avishek Chakraborty	International Journal of Operation Research SCOPUS	2019-2020	online ISSN1745-7653	https://www.inderscience.com/jhome.php?jcode=ijor	DOI:10.1504/IJOR.2020.10038562	SCOPUS
Minimal Spanning Tree in Cylindrical Single-Valued Neutrosophic Arena	Mr. Avishek Chakraborty	Neutrosophic Graph Theory and Algorithms	2019-2020	ISSN: 2156-177X	https://www.igi-global.com/gateway/chapter/243015	https://doi.org/10.4018/978-1-7998-1313-2.ch009	SCI
Triangular Neutrosophic Based Production Reliability Model of Deteriorating Item with Ramp Type Demand under	Mr. Avishek Chakraborty	Neutrosophic Sets and System SCOPUS (I.F-1.73)	2019-2020	23316055, 2331608X	https://zenodo.org/record/3951684#.YSOBH04zbl	https://zenodo.org/record/3951684#.YSOBH04zbl	SCOPUS



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Shortages and Time Discounting							
Investigation of biodiesel from Canola Oil deodorizer distillate using dual biocatalyst	Dr. Rupa Bhattacharyya	Asian Journal of Applied Science and Technology	2019-2020	2456-883X	http://ajast.net/	http://ajast.net/data/uploads/22137.pdf	ISI
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