

## DVV Clarifications Metrics Level Deviations

3.4.3	<p><b>Number of research papers per teachers in the Journals notified on UGC website during the last five years</b></p> <p>3.4.3.1. Number of research papers in the Journals notified on UGC website during the last five years</p> <p>HEI Input :</p> <table border="1" style="margin-left: 20px;"><thead><tr><th>2020-21</th><th>2019-20</th><th>2018-19</th><th>2017-18</th><th>2016-17</th></tr></thead><tbody><tr><td style="text-align: center;">64</td><td style="text-align: center;">54</td><td style="text-align: center;">63</td><td style="text-align: center;">47</td><td style="text-align: center;">43</td></tr></tbody></table>	2020-21	2019-20	2018-19	2017-18	2016-17	64	54	63	47	43	<p>Provide Web-link provided by institution in the template which redirects to the journal webpage published in UGC notified list the year 2016-17, 2017-18 , 2018-19 and 2019-20, 2020-21."</p>
2020-21	2019-20	2018-19	2017-18	2016-17								
64	54	63	47	43								

### **Supporting Documents:**

**Web-link provided in the template which redirects to the journal webpage published in UGC notified list during the year 2016-17, 2017-18 , 2018-19 and 2019-20, 2020-21.**

3.4.3 Number of research papers per teacher in the Journals notified on UGC website during the last five years (5)

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	
					Link to website of the Journal	Link to article/paper/abstract of the article
Study and Classification of Cell Bio-Impedance Signature for Identification of Malignancy Using Artificial Neural Network	Debjoyoti Chowdhury* and Madhurima Chattopadhyay	IEEE Transactions on Instrumentation and Measurement	2020-2021	0018-9456	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?reload=true&amp;punumber=19">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?reload=true&amp;punumber=19</a>	<a href="https://ieeexplore.ieee.org/document/9351571">https://ieeexplore.ieee.org/document/9351571</a>
Comparative study of three different bridge-less converters for reduction of harmonic distortion in brushless DC motor	Santanu Mondal and Madhurima Chattopadhyay*	Indonesian Journal of Electrical Engineering and Computer Science	2020-2021	2502-4752	<a href="http://ijeecs.iaescore.com/index.php/IJECS">http://ijeecs.iaescore.com/index.php/IJECS</a>	<a href="http://ijeecs.iaescore.com/index.php/IJECS/article/view/21716">http://ijeecs.iaescore.com/index.php/IJECS/article/view/21716</a>
On-board Signal Quality Assessment Guided Compression of Photoplethysmogram for Personal Health Monitoring	Samiul Alam*, Rajarshi Gupta, Kaushik Das Sharma	IEEE Transactions on Instrumentation and Measurement	2020-2021	0018-9456	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=19">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=19</a>	<a href="https://ieeexplore.ieee.org/abstract/document/9381257">https://ieeexplore.ieee.org/abstract/document/9381257</a>
Analysis of physiological and spectral parameters on different oryza sativa L. varieties under iron stress	Banhishikha Singh, Rajeshwari Chatterjee, Niniva Datta, Soma Banerjee*	Contribuții Botanice	2020-2021	0069-9616	<a href="http://contributii_botanice.reviste.ubbcluj.ro/en/">http://contributii_botanice.reviste.ubbcluj.ro/en/</a>	<a href="http://contributiiobotanice.reviste.ubbcluj.ro/materiale/2020/Contrib_Bot_vol_55_pp_119-133.pdf">http://contributiiobotanice.reviste.ubbcluj.ro/materiale/2020/Contrib_Bot_vol_55_pp_119-133.pdf</a>
Role of metabolic risk factors, family history and genetic polymorphisms (PPAR $\gamma$ , TCF7L2) on T2DM risk in an Asian Indian Population	Chaudhuri P*, Das M, Lodh I, Goswami R	Public Health Genomics	2020-2021	1662-4246	<a href="https://www.karger.com/Journal/Home/224224">https://www.karger.com/Journal/Home/224224</a>	<a href="https://www.karger.com/Article/Pdf/514506">https://www.karger.com/Article/Pdf/514506</a>
Application of FESEM and FTIR for evaluation of Staphylococcus aureus biofilms grown on chitin and polycarbonate membrane	Rimashree Baishya, Rajeshwari Chatterjee, Soma Banerjee* and M. S. Hasnain	Revista Mexicana de Ingeniería Química	2020-2021	1665-2738	<a href="http://www.rmiq.org/ojs311/index.php/rmiq/about">http://www.rmiq.org/ojs311/index.php/rmiq/about</a>	<a href="http://www.rmiq.org/ojs311/index.php/rmiq/article/view/2175">http://www.rmiq.org/ojs311/index.php/rmiq/article/view/2175</a>
Immunomodulatory and antimicrobial nonmulberry Antheraea mylitta silk fibroin accelerates in vitro fibroblast repair and regeneration by protecting oxidative stress	Sen, S., Ghosh, S., De, S., Basak, P., Maurye, P., Jana, N.K*, and Mandal; T. K.	RSC Advances	2020-2021	2046-2069	<a href="https://pubs.rsc.org/en/journals/journalissues/ra#lissues">https://pubs.rsc.org/en/journals/journalissues/ra#lissues</a>	<a href="https://pubs.rsc.org/en/Content/ArticleLanding/2021/RA/DORA08538C#!divAbstract">https://pubs.rsc.org/en/Content/ArticleLanding/2021/RA/DORA08538C#!divAbstract</a>
Simultaneous Bioremediation of Cyanide, Phenol, and Ammoniacal-N from Synthetic Coke-oven wastewater Using Bacillus sp. NITD 19	Abhilasha Rai, Karthik Kumar Gowrishetty, Sunita Singh, Jitamanyu Chakrabarty, Pinaki Bhattacharya*, Susmita Dutta	Journal of Environmental Engineering	2020-2021	0733-9372	<a href="https://ascelibrary.org/toc/joeedu/current">https://ascelibrary.org/toc/joeedu/current</a>	<a href="https://ascelibrary.org/doi/abs/10.1061/%28ASCE%29EE.1943-7870.0001835">https://ascelibrary.org/doi/abs/10.1061/%28ASCE%29EE.1943-7870.0001835</a>
Biofuel generation from High- fat effluent in a Biofilm Reactor with Backwash	Chandrima Roy, Ranjana Chowdhury, Pinaki Bhattacharya*	Indian Chemical Engineer	2020-2021	0019-4506	<a href="https://www.tandfonline.com/toc/tice20/current">https://www.tandfonline.com/toc/tice20/current</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/00194506.2020.1847698?journalCode=tice20">https://www.tandfonline.com/doi/abs/10.1080/00194506.2020.1847698?journalCode=tice20</a>

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Aquaculture effluent treatment with ammonia remover Bacillus albus (ASSF01)	Mandakini Gogo, Pinaki Bhattacharya*, Sudip Kumar Sen, Indranil Mukherjee, Shashi Bhushan and Shaon RayChaudhuri	Journal of Environmental Chemical Engineering	2020-2021	2213-3437	<a href="https://www.journals.elsevier.com/journal-of-environmental-chemical-engineering">https://www.journals.elsevier.com/journal-of-environmental-chemical-engineering</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2213343721006746#:~:text=Bacillus%20albus%20ASSF01%20is%20an%20efficient%20ammonia%20remover%20and%20stable%20biofilm%20former.&amp;text=It%20removes%20ammonia%20from%20Aquaculture,L%E2%88%921%20in%2014%20h.&amp;text=The%20isolate%20could%20reduce%20nitrite,mg%20L%E2%88%921%20during%20treatment">https://www.sciencedirect.com/science/article/abs/pii/S2213343721006746#:~:text=Bacillus%20albus%20ASSF01%20is%20an%20efficient%20ammonia%20remover%20and%20stable%20biofilm%20former.&amp;text=It%20removes%20ammonia%20from%20Aquaculture,L%E2%88%921%20in%2014%20h.&amp;text=The%20isolate%20could%20reduce%20nitrite,mg%20L%E2%88%921%20during%20treatment</a>
Two copper (II) complexes derived from anthranilic acid and 4-iodo-anthranilic acid Schiff bases: Structural elucidation, halogen bonding interactions and catalytic study using 3,5-DTBC	B.K. Biswas, S. Saha, N. Biswas, M. Chowdhury, A. Frontera, C. Rizzoli, R. Roy Choudhury*, C. Roy Choudhury	Journal of Molecular Structure	2020-2021	0022-2860	<a href="https://www.sciencedirect.com/journal/journal-of-molecular-structure">https://www.sciencedirect.com/journal/journal-of-molecular-structure</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0022286020307237">https://www.sciencedirect.com/science/article/abs/pii/S0022286020307237</a>
Synthesis, characterization and photovoltaic studies of 2,2';6',2''-terpyridine-based ruthenium complexes with phenylamino, anthranil and furfuryl substitutions at the 4'-position.	Binitendra Naath Mongal, Sayantani Bhattacharya, Tarun Kanti Mandal, Jayati Datta*, Subhendu Naskar	Journal of Coordination Chemistry	2020-2021	0095-8972	<a href="https://www.tandfonline.com/acton/journalInformation?journalCode=gcoo20">https://www.tandfonline.com/acton/journalInformation?journalCode=gcoo20</a>	<a href="https://www.tandfonline.com/doi/full/10.1080/00958972.2021.1924368">https://www.tandfonline.com/doi/full/10.1080/00958972.2021.1924368</a>
Palladium-Catalyzed Cascade Reaction for annulative $\pi$ -Extension of Indole to carbazole through C-H bond activation	Enakshi Dinda*, Samir Kumar Bhunia and Ranjan Jana	Current Organic Chemistry	2020-2021	1385-2728	<a href="https://benthamscience.com/journals/current-organic-chemistry/">https://benthamscience.com/journals/current-organic-chemistry/</a>	<a href="https://www.eurekaselect.com/184942/article">https://www.eurekaselect.com/184942/article</a>
The DNA- and protein-binding properties and cytotoxicity of a new copper(II) hydrazone Schiff base complex	N. Biswas, S. Saha, B. K. Biswas, M. Chowdhury, A. Rahaman, V. Junghare, S. Mohapatra, S. Hazra, E. Zangrando, R. Roy Choudhury* and C. Roy Choudhury	Journal of Coordination Chemistry	2020-2021	1029-0389	<a href="https://www.tandfonline.com/toc/gcoo20/current">https://www.tandfonline.com/toc/gcoo20/current</a>	<a href="https://www.tandfonline.com/doi/full/10.1080/00958972.2021.1913128">https://www.tandfonline.com/doi/full/10.1080/00958972.2021.1913128</a>
Di-palladium complex of terephthaldehyde bis(thiosemicarbazone) ligand: Synthesis, structure and catalytic application	Piyali Paul*, Samaresh Bhattacharya	Journal of the Indian Chemical Society	2020-2021	0019-4522	<a href="https://www.journals.elsevier.com/journal-of-the-indian-chemical-society">https://www.journals.elsevier.com/journal-of-the-indian-chemical-society</a>	<a href="http://indianchemicalsociety.com/portal/uploads/journal/A-Dec-13.pdf">http://indianchemicalsociety.com/portal/uploads/journal/A-Dec-13.pdf</a>
Remarkable performance of the unique catalyst Pd-Fe <sub>2</sub> O <sub>3</sub> toward EOR and ORR: Non-Pt and non-carbon electrode material for low temperature fuel cell	Rajib Adhikary, Dipankar Sarkar, Manabendra Mukherjee, Jayati Datta*	Journal of Materials Chemistry A	2020-2021	2050-7496	<a href="https://www.rsc.org/journals-books-databases/about-journals/journal-of-materials-chemistry-a/">https://www.rsc.org/journals-books-databases/about-journals/journal-of-materials-chemistry-a/</a>	<a href="https://pubs.rsc.org/en/content/articlelanding/2021/ta/d0ta08356a#!divAbstract">https://pubs.rsc.org/en/content/articlelanding/2021/ta/d0ta08356a#!divAbstract</a>

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Wide-low energy coupled semi-conductor layers of TiO <sub>2</sub> -CdX boosting the performance of DSSC	Sayantani Bhattacharya, Jayati Datta*	Solar Energy	2020-2021	0038-092X	<a href="https://www.sciencedirect.com/journal/solar-energy">https://www.sciencedirect.com/journal/solar-energy</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0038092X20308628">https://www.sciencedirect.com/science/article/abs/pii/S0038092X20308628</a>
Influence of Nafion template on the kinetics of anodic Pt based pluri-metallic catalyst for Ethanol Electro-Oxidation	Susmita Singh, Jayati Datta*	Journal of Electroanalytical Chemistry	2020-2021	1572-6657	<a href="https://www.sciencedirect.com/journal/journal-of-electroanalytical-chemistry">https://www.sciencedirect.com/journal/journal-of-electroanalytical-chemistry</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1572665720312030">https://www.sciencedirect.com/science/article/abs/pii/S1572665720312030</a>
Improving corrosion resistance of reinforcement steel rebars exposed to sulphate attack by the use of electroless nickel coatings	Arkadeb Mukhopadhyay, Sarmila Sahoo*	European Journal of Environmental and Civil Engineering	2020-2021	1964-8189	<a href="https://www.tandfonline.com/toc/tece20/current">https://www.tandfonline.com/toc/tece20/current</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/19648189.2021.1886177?journalCode=tece20">https://www.tandfonline.com/doi/abs/10.1080/19648189.2021.1886177?journalCode=tece20</a>
Corrosion Performance of Steel Rebars by Application of Electroless Ni-P-W Coating - An Optimization Approach using Grey Relational Analysis	Arkadeb Mukhopadhyay, Sarmila Sahoo*	FME Transactions	2020-2021	1451-2092	<a href="https://www.mas.bg.ac.rs/istrazivanje/fme/start">https://www.mas.bg.ac.rs/istrazivanje/fme/start</a>	<a href="https://www.mas.bg.ac.rs/media/istrazivanje/fme/vol49/2/20_s_sahoo_et_al.pdf">https://www.mas.bg.ac.rs/media/istrazivanje/fme/vol49/2/20_s_sahoo_et_al.pdf</a>
Finite element prediction of first-ply failure loads of composite thin skewed hyper shells using nonlinear strains	Dona Chatterjee*, Arghya Ghosh, Dipankar Chakravorty	Thin-Walled Structures	2020-2021	0263-8231	<a href="https://www.sciencedirect.com/journal/thin-walled-structures">https://www.sciencedirect.com/journal/thin-walled-structures</a>	<a href="https://doi.org/10.1016/j.tws.2021.108159">https://doi.org/10.1016/j.tws.2021.108159</a>
Transient responses of laminated composite plates	Prithwish Saha* and Kalyan Kumar Mandal	Asian Journal of Civil Engineering	2020-2021	1563-0854	<a href="https://www.springer.com/journal/42107">https://www.springer.com/journal/42107</a>	<a href="https://doi.org/10.1007/s42107-020-00304-5">https://doi.org/10.1007/s42107-020-00304-5</a>
A study of earthquake-induced vibration on laminated composite plates using finite element method	Prithwish Saha* and Kalyan Kumar Mandal	Natural Hazards	2020-2021	0921-030X	<a href="https://www.springer.com/journal/11069">https://www.springer.com/journal/11069</a>	<a href="https://doi.org/10.1007/s11069-021-04542-x">https://doi.org/10.1007/s11069-021-04542-x</a>
Buckling characteristics of cut-out borne composite stiffened hyperbolic paraboloid shell panel	Sarmila Sahoo*	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	2020-2021	1464-4207	<a href="https://journals.sagepub.com/home/pil">https://journals.sagepub.com/home/pil</a>	<a href="https://journals.sagepub.com/doi/abs/10.1177/14644207211005802">https://journals.sagepub.com/doi/abs/10.1177/14644207211005802</a>
Understanding the relation between repeat developer interactions and bug resolution times in large open source ecosystems: A multisystem study	Datta, S., Roychoudhuri, R.* and Majumder, S.	Journal of Software: Evolution and Process	2020-2021	2047-7481	<a href="https://onlinelibrary.wiley.com/journal/20477481">https://onlinelibrary.wiley.com/journal/20477481</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/smr.2317">https://onlinelibrary.wiley.com/doi/abs/10.1002/smr.2317</a>
Clustering Techniques to Improve Scalability and Accuracy of Recommender Systems	Joydeep Das, Subhashis Majumder* and Kalyani Mali	International Journal of Uncertainty Fuzziness and Knowledge-Based Systems	2020-2021	0218-4885	<a href="https://www.worldscientific.com/worldscinet/ijufks">https://www.worldscientific.com/worldscinet/ijufks</a>	<a href="https://doi.org/10.1142/S0218488521500276">https://doi.org/10.1142/S0218488521500276</a>
Scalable recommendations using decomposition techniques based on Voronoi diagrams	Joydeep Das, Subhashis Majumder*, Prosenjit Gupta and Suman Datta	Information Processing & Management	2020-2021	0306-4573	<a href="https://www.sciencedirect.com/journal/information-processing-and-management">https://www.sciencedirect.com/journal/information-processing-and-management</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0306457321000686">https://www.sciencedirect.com/science/article/abs/pii/S0306457321000686</a>

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Compact Genetic Algorithm-based Feature Selection for Sequence-based Prediction of Dengue-Human Protein Interactions	Lopamudra Dey*, Anirban Mukhopadhyay	IEEE/ACM Transactions on Computational Biology and Bioinformatics	2020-2021	1545-5963	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8857">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8857</a>	<a href="https://ieeexplore.ieee.org/document/9380918">https://ieeexplore.ieee.org/document/9380918</a>
A systems biology approach for identifying key genes and pathways of gastric cancer using microarray data	Lopamudra Dey*, Anirban Mukhopadhyay	Gene Reports	2020-2021	2452-0144	<a href="https://www.sciencedirect.com/journal/gene-reports">https://www.sciencedirect.com/journal/gene-reports</a>	<a href="https://doi.org/10.1016/j.genrep.2020.101011">https://doi.org/10.1016/j.genrep.2020.101011</a>
Machine learning techniques for sequence-based prediction of viral–host interactions between SARS-CoV-2 and human proteins	Lopamudra Dey*, Sanjay Chakraborty, Anirban Mukhopadhyay	Biomedical Journal	2020-2021	2319-4170	<a href="https://www.sciencedirect.com/journal/biomedical-journal">https://www.sciencedirect.com/journal/biomedical-journal</a>	<a href="https://doi.org/10.1016/j.bj.2020.08.003">https://doi.org/10.1016/j.bj.2020.08.003</a>
An Integrated Co-Design of Flow-Based Biochips Considering Flow-Control Design Issues and Objectives	Piyali Datta*, Arpan Chakraborty, Rajat Kumar Pal	IETE Journal of Research	2020-2021	0377-2063	<a href="https://www.tandfonline.com/toc/tijr20/current">https://www.tandfonline.com/toc/tijr20/current</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/03772063.2021.1919220?src=&amp;journalCode=tijr20">https://www.tandfonline.com/doi/abs/10.1080/03772063.2021.1919220?src=&amp;journalCode=tijr20</a>
Designing balanced wrapper chains in 3D SoC under constrained TSVs	Sabyasachee Banerjee*, Soumendu Ghorui, Subhashis Majumder	Innovations in Systems and Software Engineering	2020-2021	1614-5054	<a href="https://www.springer.com/journal/11334">https://www.springer.com/journal/11334</a>	<a href="https://doi.org/10.1007/s11334-021-00402-w">https://doi.org/10.1007/s11334-021-00402-w</a>
Fast algorithms for test optimization of core based 3D SoC	Sabyasachee Banerjee*, Subhashis Majumder, Debesh K. Das, Bhargab B. Bhattacharya	Integration, the VLSI Journal	2020-2021	0167-9260	<a href="https://www.journals.elsevier.com/integration">https://www.journals.elsevier.com/integration</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0167926020302972">https://www.sciencedirect.com/science/article/abs/pii/S0167926020302972</a>
Identifying the degree of genetic interactions using Restricted Boltzmann Machine—A study on colorectal cancer	Sujay Saha*, Saikat Bandopadhyay, Anupam Ghosh	IET Systems Biology	2020-2021	1751-8857	<a href="https://digital-library.theiet.org/content/journals/iet-syb">https://digital-library.theiet.org/content/journals/iet-syb</a>	<a href="https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/syb2.12009">https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/syb2.12009</a>
Cross-wavelet assisted convolution neural network (AlexNet) approach for phonocardiogram signals classification	Dhar, P., Dutta, S.*, Mukherjee, V.	Biomedical Signal Processing and Control	2020-2021	1746-8094	<a href="https://www.sciencedirect.com/journal/biomedical-signal-processing-and-control">https://www.sciencedirect.com/journal/biomedical-signal-processing-and-control</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1746809420302895">https://www.sciencedirect.com/science/article/abs/pii/S1746809420302895</a>
Analog/RF and Power Performance Analysis of an Underlap DG 7 AlGaN/GaN Based High-K Dielectric MOS-HEMT	Akash Roy, Rajrup Mitra, Arnab Mondal and Atanu Kundu*	Silicon	2020-2021	1876-9918	<a href="https://www.springer.com/journal/12633">https://www.springer.com/journal/12633</a>	<a href="https://doi.org/10.1007/s12633-021-01020-8">https://doi.org/10.1007/s12633-021-01020-8</a>
An Analytical Study of the Current-Voltage Characteristics and Transconductance of a Gold nanoparticle embedded Floating-gate MOS Memory	Amrita Banerjee*, Gargi Chakraborty, Sunipa Roy	Solid State Technology	2020-2021	0038-111X	<a href="https://solidstatetechnology.us/index.php/JSST/issue/view/48">https://solidstatetechnology.us/index.php/JSST/issue/view/48</a>	<a href="https://solidstatetechnology.us/index.php/JSST/article/view/8452">https://solidstatetechnology.us/index.php/JSST/article/view/8452</a>
An ambient temperature dependent small signal model of GaN HEMT using method of curve fitting	Arijit Majumdar, Soumyo Chatterjee*, Sayan Chatterjee, Sheli Sinha Chaudhari, Dipak Ranjan Poddar	International Journal of RF and Microwave Computer Aided Engineering	2020-2021	1096-4290	<a href="http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-047X">http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-047X</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/mmce.22434">https://onlinelibrary.wiley.com/doi/abs/10.1002/mmce.22434</a>



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Memoryless Nonlinearity in ITL FinFET with Spacer Technology: Investigation towards Reliability	B Vandana, S K Mohapatra, Jitendra Kumar Das, Atanu Kundu*	Microelectronics Reliability	2020-2021	0026-2714	<a href="https://www.journals.elsevier.com/microelectronics-reliability">https://www.journals.elsevier.com/microelectronics-reliability</a>	<a href="https://doi.org/10.1016/j.microrel.2021.114072">https://doi.org/10.1016/j.microrel.2021.114072</a>
Photovoltaic performance improvement of GaAs <sub>1-x</sub> Bix nanowire solar cells in terms of light trapping capability and efficiency	Debamita Roy*, Dip Prakash Samajdar, Abhijit Biswas	Solar Energy	2020-2021	0038-092X	<a href="https://www.journals.elsevier.com/solar-energy">https://www.journals.elsevier.com/solar-energy</a>	<a href="https://doi.org/10.1016/j.solener.2021.04.064">https://doi.org/10.1016/j.solener.2021.04.064</a>
Lead free CH <sub>3</sub> NH <sub>3</sub> SnI <sub>3</sub> based perovskite solar cell using ZnTe nano flowers as hole transport layer	Komal Kumari, Abir Jana, Anup Dey, Tapas Chakrabarti*, Subir Kumar Sarkar	Optical Materials	2020-2021	0925-3467	<a href="http://www.elsevier.com/locate/optmat">http://www.elsevier.com/locate/optmat</a>	<a href="https://doi.org/10.1016/j.optmat.2020.110574">https://doi.org/10.1016/j.optmat.2020.110574</a>
Influence of Symmetric Underlap on Analog, RF and Power Applications for DG AlGa <sub>N</sub> /Ga <sub>N</sub> MOS-HEMT	Rajrup Mitra, Akash Roy, Arnab Mondal and Atanu Kundu*	Silicon	2020-2021	1876-9918	<a href="https://www.springer.com/journal/12633">https://www.springer.com/journal/12633</a>	<a href="https://doi.org/10.1007/s12633-021-01039-x">https://doi.org/10.1007/s12633-021-01039-x</a>
Study of Effective Graded Oxide Capacitance and Length Variation on Analog, RF and Power Performances of Dual Gate Underlap MOS-HEMT	Sneha Ghosh, Anindita Mondal, Mousiki Kar, Atanu Kundu*	Silicon	2020-2021	1876-9918	<a href="https://www.springer.com/journal/12633">https://www.springer.com/journal/12633</a>	<a href="https://doi.org/10.1007/s12633-021-01112-5">https://doi.org/10.1007/s12633-021-01112-5</a>
A Review on Reversible Computing and its applications on combinational circuits	Soham Bhattacharya, Anindya Sen*	International Journal of Emerging Trends in Engineering Research	2020-2021	2347-3983	<a href="http://www.warse.org/IJETER/">http://www.warse.org/IJETER/</a>	<a href="https://doi.org/10.30534/ijeter/2021/28962021">https://doi.org/10.30534/ijeter/2021/28962021</a>
Photovoltaic performance improvement of GaAs <sub>1-x</sub> Bix nanowire solar cells in terms of light trapping capability and efficiency	Debamita Roy*, Dip Prakash Samajdar, Abhijit Biswas	Solar Energy	2020-2021	0038-092X	<a href="https://www.journals.elsevier.com/solar-energy">https://www.journals.elsevier.com/solar-energy</a>	<a href="https://doi.org/10.1016/j.solener.2021.04.064">https://doi.org/10.1016/j.solener.2021.04.064</a>
Enhancing localization accuracy of collaborative cognitive radio users by internal noise mitigation	Sabyasachi Chatterjee, Prabir Banerjee*, Mita Nasipuri	Telecommunication Systems	2020-2021	1018-4864	<a href="https://www.springer.com/journal/11235">https://www.springer.com/journal/11235</a>	<a href="https://link.springer.com/article/10.1007/s11235-020-00708-3">https://link.springer.com/article/10.1007/s11235-020-00708-3</a>
Topometry of metal surfaces using reflection of polarized light	Tania Das*, Kallol Bhattacharya	Optik	2020-2021	1618-1336	<a href="https://www.sciencedirect.com/journal/optik">https://www.sciencedirect.com/journal/optik</a>	<a href="https://doi.org/10.1016/j.jileo.2021.167448">https://doi.org/10.1016/j.jileo.2021.167448</a>
Botnet traffic identification using neural networks	Rajib Biswas*, Sambuddha Roy	Multimedia Tools and Applications	2020-2021	1380-7501	<a href="https://www.springer.com/journal/11042">https://www.springer.com/journal/11042</a>	<a href="https://link.springer.com/article/10.1007/s11042-021-10765-8">https://link.springer.com/article/10.1007/s11042-021-10765-8</a>
GenSeg and MR-GenSeg: A novel segmentation algorithm and its parallel MapReduce based approach for identifying genomic regions with copy number variations	Rituparna Sinha*, Rajat K. Pal, Rajat K. De	IEEE/ACM Transactions on Computational Biology and Bioinformatics	2020-2021	1557-9964	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8857">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8857</a>	<a href="https://ieeexplore.ieee.org/abstract/document/9110767">https://ieeexplore.ieee.org/abstract/document/9110767</a>
Discussion on Stability and Hopf-bifurcation of an Infected Prey under Refuge and Predator	Moulipriya Sarkar*, Tapasi Das	Applications and Applied Mathematics: An International Journal (AAM)	2020-2021	1932-9466	<a href="https://www.pvamu.edu/aam/">https://www.pvamu.edu/aam/</a>	<a href="https://digitalcommons.pvamu.edu/aam/vol16/iss2/12">https://digitalcommons.pvamu.edu/aam/vol16/iss2/12</a>

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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	
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Effects of Cross Jet on Turbulent Main Stream Flow in A Non-Circular Elbow – A Numerical Approach	Arindam Mandal*, Bhattacharjee, S.; Debnath, R.; Majumder, S.& Roy, D.	WSEAS Transactions on Heat and Mass Transfer	2020-2021	1790-5044	<a href="https://wseas.org/cms.action?id=4041">https://wseas.org/cms.action?id=4041</a>	<a href="https://www.wseas.org/multimedia/journals/heat/2020/a245113-260.pdf">https://www.wseas.org/multimedia/journals/heat/2020/a245113-260.pdf</a>
Nano-indentation and Corrosion Characteristics of Ultrasonic Vibration Assisted Stir-Cast AZ31–WC–Graphite Nano-composites	Banerjee, S., Poria, S*., Sutradhar, G., & Sahoo, P.	International Journal of Metalcasting	2020-2021	2163-3193	<a href="https://www.springer.com/journal/40962">https://www.springer.com/journal/40962</a>	<a href="https://link.springer.com/article/10.1007/s40962-020-00538-8">https://link.springer.com/article/10.1007/s40962-020-00538-8</a>
Abrasive wear behavior of WC nanoparticle reinforced magnesium metal matrix composites	Banerjee, S., Poria, S*., Sutradhar, G., & Sahoo, P.	Surface Topography: Metrology and Properties	2020-2021	2051-672X	<a href="https://iopscience.iop.org/journal/2051-672X">https://iopscience.iop.org/journal/2051-672X</a>	<a href="https://iopscience.iop.org/article/10.1088/2051-672X/ab82a1">https://iopscience.iop.org/article/10.1088/2051-672X/ab82a1</a>
Abrasive wear behavior of Al-TiB2 and Al-TiB2-nano-graphite metal matrix composites	Poria, S*., Sutradhar, G., & Sahoo, P.	Proc IMechE Part L: J Materials: Design and Applications	2020-2021	2041-3076	<a href="https://journals.sagepub.com/home/pil">https://journals.sagepub.com/home/pil</a>	<a href="https://journals.sagepub.com/doi/abs/10.1177/1464420721991582">https://journals.sagepub.com/doi/abs/10.1177/1464420721991582</a>
Modeling Dynamic Stability and Cutting Forces in Micro Milling of Ti6Al4V Using Intermittent Oblique Cutting Finite Element Method Simulation-Based Force Coefficients	Priyabrata Sahoo, Karali Patra, Vishnu K. Singh*, Rinku K. Mittal, Ramesh K. Singh	Journal of Manufacturing Science and Engineering	2020-2021	1087-1357	<a href="https://asmedigitalcollection.asme.org/manufacturingscience">https://asmedigitalcollection.asme.org/manufacturingscience</a>	<a href="https://doi.org/10.1115/1.4047432">https://doi.org/10.1115/1.4047432</a>
A solution to free vibration of rotating pretwisted hybrid CNTs multiscale functionally graded conical shell	R Banerjee*, M Rout, D Bose, A Karmakar	International Journal for Computational Methods in Engineering Science and Mechanics	2020-2021	1550-2287	<a href="https://www.tandfonline.com/doi/citedby/10.1080/15502287.2021.1973151?scroll=top&amp;needAccess=true">https://www.tandfonline.com/doi/citedby/10.1080/15502287.2021.1973151?scroll=top&amp;needAccess=true</a>	<a href="https://www.tandfonline.com/doi/citedby/10.1080/15502287.2021.1973151?scroll=top&amp;needAccess=true">https://www.tandfonline.com/doi/citedby/10.1080/15502287.2021.1973151?scroll=top&amp;needAccess=true</a>
Thermoeconomic Analysis of Vapor Compression Refrigeration System With Dedicated Subcooler for High-Temperature Lift Applications	Ranendra Roy, Arup Jyoti Bhowal* & Bijan Kumar Mandal	ASME Journal of Thermal Science and Engineering Applications	2020-2021	1948-5085	<a href="https://asmedigitalcollection.asme.org/thermalscienceapplication">https://asmedigitalcollection.asme.org/thermalscienceapplication</a>	<a href="https://doi.org/10.1115/1.4050481">https://doi.org/10.1115/1.4050481</a>
Numerical study using expander on the thermo-economic performances of cascade refrigeration system	Ranendra Roy, Arup Jyoti Bhowal* & Bijan Kumar Mandal	International Journal of Ambient Energy	2020-2021	0143-0750	<a href="https://www.tandfonline.com/toc/taen20/current">https://www.tandfonline.com/toc/taen20/current</a>	<a href="https://doi.org/10.1080/01430750.2020.1831594">https://doi.org/10.1080/01430750.2020.1831594</a>
Experimental optimization of abrasive wear of AZ31-WC nanocomposites	Sudip Banerjee, Suswagata Poria*, Goutam Sutradhar and Prasanta Sahoo	Journal of Manufacturing Technology Research	2020-2021	1943-8095	<a href="https://novapublishers.com/shop/journal-of-manufacturing-technology-research/">https://novapublishers.com/shop/journal-of-manufacturing-technology-research/</a>	<a href="http://www.novapublishers.org/catalog/product_info.php?products_id=66320">http://www.novapublishers.org/catalog/product_info.php?products_id=66320</a>
A new boson realization of fusion polynomial algebras in non-hermitian quantum mechanics : \gamma-deformed su(2) generators, PT-symmetry in Fock space and Higgs algebra. J. Phys A : Math. Theor.53, 485202 (2020)	Arindam Chakraborty	Journal of Physics A : Mathematical and Theoretical	2020-2021	1751-8113	<a href="https://iopscience.iop.org/journal/1751-8121">https://iopscience.iop.org/journal/1751-8121</a>	<a href="https://iopscience.iop.org/article/10.1088/1751-8121/abbdf3">https://iopscience.iop.org/article/10.1088/1751-8121/abbdf3</a>

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Understanding partial PT-symmetry as Weighted Composition Conjugation in Reproducing Kernel Hilbert Space : an application to non-Hermitian Bose Hubbard type Hamiltonian in Fock Space	Arindam Chakraborty	International Journal of Theoretical Physics	2020-2021	0020-7748	<a href="https://www.springer.com/journal/10773">https://www.springer.com/journal/10773</a>	<a href="https://doi.org/10.1007/s10773-021-04946-2">https://doi.org/10.1007/s10773-021-04946-2</a>
Stabilization of cyclic water tetramers and dimers in the crystal host of 2D coordination networks: electrical conductivity and dielectric studies	Basudeb Dutta, Sourav Ranjan Ghosh*, Apurba Ray, Srikanta Jana, Chittaranjan Sinha, Sachindranath Das, Atish Dipankar Jana, Mohammad Hedayetullah Mir	New Journal of Chemistry	2020-2021	1144-0546	<a href="https://pubs.rsc.org/lv/journals/journalissues/nj#!recentarticles&amp;adv">https://pubs.rsc.org/lv/journals/journalissues/nj#!recentarticles&amp;adv</a>	<a href="https://pubs.rsc.org/lv/content/articlelanding/2020/nj/d0nj03750h/unauth#!divAbstract">https://pubs.rsc.org/lv/content/articlelanding/2020/nj/d0nj03750h/unauth#!divAbstract</a>
Structure, microstructure and photocatalytic properties of embedded spherical Cu nanoparticles on Cu <sub>2</sub> O–SiO <sub>2</sub>	Ritayan Chatterjee*, Sven Lidin, Sulava Bhattacharyya, Saikat Kumar Kuila	Materials Chemistry and Physics	2020-2021	0254-0584	<a href="https://www.sciencedirect.com/journal/materials-chemistry-and-physics">https://www.sciencedirect.com/journal/materials-chemistry-and-physics</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0254058421001437?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S0254058421001437?via%3Dihub</a>
Role of imidazole edge to edge supramolecular interaction in the crystal packing of Cu(II)(SCN–) <sub>2</sub> (imidazole) <sub>2</sub> complex: A novel variety of supramolecular interaction revealed by CCDC database analysis and explored through DFT computational studies	Sirajuddin Sarkar, Sourav Ranjan Ghosh*, Paula Brandão, Atish Dipankar Jana	Journal of Molecular Structure	2020-2021	0022-2860	<a href="https://www.journals.elsevier.com/journal-of-molecular-structure">https://www.journals.elsevier.com/journal-of-molecular-structure</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0022286020318287">https://www.sciencedirect.com/science/article/abs/pii/S0022286020318287</a>
Development of a Low-Power Microcontroller-Based Wrist-Worn Device With Resource-Constrained Activity Detection Algorithm	Debjyoti Chowdhury* and Madhurima Chattopadhyay	IEEE Transactions on Instrumentation and Measurement	2019-2020	0018-9456	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?reload=true&amp;punumber=19">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?reload=true&amp;punumber=19</a>	<a href="https://ieeexplore.ieee.org/document/9050443">https://ieeexplore.ieee.org/document/9050443</a>
Monitoring of the lung fluid movement and estimation of lung area using Electrical Impedance Tomography: A Simulation Study	Deborshi Chakraborty and Madhurima Chattopadhyay*	International Journal on Smart Sensing and Intelligent Systems	2019-2020	1178-5608	<a href="https://www.exeley.com/journal/in_jour_smart_sensing_and_intelligent_systems">https://www.exeley.com/journal/in_jour_smart_sensing_and_intelligent_systems</a>	<a href="https://www.exeley.com/in_jour_smart_sensing_and_intelligent_systems/doi/10.21307/ijssis-2019-066">https://www.exeley.com/in_jour_smart_sensing_and_intelligent_systems/doi/10.21307/ijssis-2019-066</a>
A New Scheme for Determination of Respiration Rate in Human Being using MEMS Based Capacitive Pressure Sensor: Simulation Study	Madhurima Chattopadhyay* and Deborshi Chakraborty	International Journal on Smart Sensing and Intelligent Systems	2019-2020	1178-5608	<a href="https://www.exeley.com/in_jour_smart_sensing_and_intelligent_systems">https://www.exeley.com/in_jour_smart_sensing_and_intelligent_systems</a>	<a href="https://www.exeley.com/in_jour_smart_sensing_and_intelligent_systems/doi/10.21307/ijssis-2019-083">https://www.exeley.com/in_jour_smart_sensing_and_intelligent_systems/doi/10.21307/ijssis-2019-083</a>
Geometric retrieval algorithm-based ear biometry with occluded images	Samik Chakraborty*, Madhuchhanda Mitra, Saurabh Pal	International Journal of Biometrics	2019-2020	1755-8301	<a href="https://www.inderscience.com/jhome.php?jcode=ijbm">https://www.inderscience.com/jhome.php?jcode=ijbm</a>	<a href="http://www.inderscience.com/info/inarticle.php?artid=108478">http://www.inderscience.com/info/inarticle.php?artid=108478</a>



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A novel hotspot and rare somatic mutation pA138V, at TP53 is associated with poor survival of pancreatic ductal and periampullary adenocarcinoma patients	Gourab Saha, Richa Singh, Argha Mandal, Subrata Das, Esita Chattopadhyay, Prasun Panja, Paromita Roy, Navonil DeSarkar, Sumit Gulati, Supriyo Ghatak, Shibajyoti Ghosh, Sudeep Banerjee, Bidyut Roy, Saurabh Ghosh, Dipankar Chaudhuri*, Neeraj Arora, Nidhan K. Biswas & Nilabja Sikdar	Molecular Medicine	2019-2020	1076-1551	<a href="https://molmed.biomedcentral.com/">https://molmed.biomedcentral.com/</a>	<a href="https://molmed.biomedcentral.com/articles/10.1186/s10020-020-00183-1#Abs1">https://molmed.biomedcentral.com/articles/10.1186/s10020-020-00183-1#Abs1</a>
In-vitro Antibiofilm activity of selected medicinal plants against Staphylococcus aureus Biofilm on chitin flakes as substrate	Rimashree Baishya, Soma Banerjee*	International Journal Of Research In Pharmaceutical Sciences	2019-2020	0975-7538	<a href="https://www.pharmascope.org/index.php/ijrps">https://www.pharmascope.org/index.php/ijrps</a>	<a href="https://pharmascope.org/index.php/ijrps/article/view/2039">https://pharmascope.org/index.php/ijrps/article/view/2039</a>
Biochemical estimation of Moringa oleifera leaf extract for synthesis of silver nanoparticle mediated drug delivery system	S. Paul, P. Basak, R. Majumder, Mukherjee. A., J. Ghosh, S. Patra, Jana, N.K.*	Journal of Plant Biochemistry and Biotechnology	2019-2020	0971-7811	<a href="https://www.springer.com/journal/13562">https://www.springer.com/journal/13562</a>	<a href="https://link.springer.com/article/10.1007%2Fs13562-019-00517-z">https://link.springer.com/article/10.1007%2Fs13562-019-00517-z</a>
Synthesis, Characterization and Performance Evaluation of a Solid Acid Catalyst Prepared from Coconut Shell for Hydrolyzing Pretreated Acacia nilotica Heartwood	Abhyuday Mallick*, Manikuntala Mukhopadhyay, Soumendranath Ash	Journal of The Institution of Engineers (India): Series E	2019-2020	2250-2483	<a href="https://www.springer.com/journal/40034">https://www.springer.com/journal/40034</a>	<a href="https://link.springer.com/article/10.1007/s40034-019-00153-1">https://link.springer.com/article/10.1007/s40034-019-00153-1</a>
Kinetic analysis and parametric optimization for bioaugmentation of oil from oily wastewater with hydrocarbonoclastic Rhodococcus pyridinivorans F5 strain	Ankita Mazumder, Swati Das, Dwaipayan Sen*, Chiranjib Bhattacharjee	Environmental Technology & Innovation	2019-2020	2352-1864	<a href="https://www.journals.elsevier.com/environmental-technology-and-innovation">https://www.journals.elsevier.com/environmental-technology-and-innovation</a>	<a href="https://doi.org/10.1016/j.eti.2020.100630">https://doi.org/10.1016/j.eti.2020.100630</a>
Electric field assisted membrane separation for oily wastewater with a novel and cost-effective electrocoagulation and electroflotation enhanced membrane module (ECEFMM)	Ankita Mazumder, Zinnia Chowdhury, Dwaipayan Sen*, Chiranjib Bhattacharjee	Chemical Engineering and Processing - Process Intensification	2019-2020	0255-2701	<a href="https://www.journals.elsevier.com/chemical-engineering-and-processing-process-intensification">https://www.journals.elsevier.com/chemical-engineering-and-processing-process-intensification</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0255270120303755">https://www.sciencedirect.com/science/article/abs/pii/S0255270120303755</a>
You cannot have your synergy and efficacy too	Pramita Sen*, Ananya Saha, Narendra M. Dixit	Trends in Pharmacological Sciences	2019-2020	0165-6147	<a href="https://www.cell.com/trends/pharmacological-sciences/home">https://www.cell.com/trends/pharmacological-sciences/home</a>	<a href="https://www.cell.com/trends/pharmacological-sciences/home">https://www.cell.com/trends/pharmacological-sciences/home</a>
Cost-effective template development for the microfluidic device	Sambita Choudhury, Sambit Dutta and Sulagna Chatterjee*	Micro & Nano Letters	2019-2020	1750-0443	<a href="https://ietresearch.onlinelibrary.wiley.com/journal/17500443">https://ietresearch.onlinelibrary.wiley.com/journal/17500443</a>	<a href="https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/mnl.2018.5411">https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/mnl.2018.5411</a>

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In vitro antibacterial effect analysis of stabilized PEGylated allicin-containing extract from Allium sativum in conjugation with other antibiotics	Souptik Bhattacharya, Dwaipayan Sen*, Chiranjib Bhattacharjee	Process Biochemistry	2019-2020	1359-5113	<a href="https://www.journals.elsevier.com/process-biochemistry">https://www.journals.elsevier.com/process-biochemistry</a>	<a href="https://doi.org/10.1016/j.procbio.2019.09.025">https://doi.org/10.1016/j.procbio.2019.09.025</a>
Intelligent catalytic support by Ni/NiO/Ni(OH) <sub>2</sub> in low level of Pd/Pt boosting the performance of alkaline DEFC	Abhijit Dutta, Rajib Adhikary, Peter Broekmann, Jayati Datta*	Applied Catalysis B: Environmental	2019-2020	0926-3373	<a href="https://www.sciencedirect.com/journal/applied-catalysis-b-environmental">https://www.sciencedirect.com/journal/applied-catalysis-b-environmental</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0926337319305934">https://www.sciencedirect.com/science/article/abs/pii/S0926337319305934</a>
Self-controlled photo-degradation in coupled chalcogenide Bi-S-Se film for solar cell applications	Mukul Hazra, Atanu Jana, Jayati Datta*	Electrochimica Acta	2019-2020	0013-4686	<a href="https://www.sciencedirect.com/journal/electrochimica-acta">https://www.sciencedirect.com/journal/electrochimica-acta</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0013468619320390">https://www.sciencedirect.com/science/article/abs/pii/S0013468619320390</a>
Optimal Blending of PbSe and CdSe in Polycrystalline PbCdSe Nanocomposite Film: Improved Carrier Multiplication and Enhanced Photoconversion Efficiency	Mukul Hazra, Jayati Datta*	ACS applied materials & interfaces	2019-2020	1944-8252	<a href="https://pubs.acs.org/journal/aami">https://pubs.acs.org/journal/aami</a>	<a href="https://pubs.acs.org/doi/abs/10.1021/acsami.9b10044">https://pubs.acs.org/doi/abs/10.1021/acsami.9b10044</a>
Hypothesizing the applicability of the principle of linear combination in predicting sensing behaviors of quantum dots: A deeper understanding of the precise tuning of quantum dot properties with capping composition.	S. Kayal, A. Mandal*, P. Pramanik, M. Halder,	J. Photochem Photobiol A: Chemistry	2019-2020	18732666	<a href="https://www.sciencedirect.com/journal/journal-of-photochemistry-and-photobiology-a-chemistry">Journal of Photochemistry and Photobiology A: Chemistry   ScienceDirect.com by Elsevier</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1010603018314862">https://www.sciencedirect.com/science/article/abs/pii/S1010603018314862</a>
Corrosion protection of reinforcement steel rebars by the application of electroless nickel coatings	Arkadeb Mukhopadhyay, Sarmila Sahoo*	Engineering Research Express	2019-2020	2631-8695	<a href="https://iopscience.iop.org/journal/2631-8695">https://iopscience.iop.org/journal/2631-8695</a>	<a href="https://iopscience.iop.org/article/10.1088/2631-8695/ab35f0/meta">https://iopscience.iop.org/article/10.1088/2631-8695/ab35f0/meta</a>
Mode-frequency analysis of anti-symmetric angle-ply laminated composite stiffened hypar shell with cut-out	Puja Basu Chaudhuri, Anirban Mitra, Sarmila Sahoo*	Mechanics and Mechanical Engineering	2019-2020	1428-1511	<a href="https://sciencedirect.com/journal/MME">https://sciencedirect.com/journal/MME</a>	<a href="https://sciencedirect.com/article/10.2478/mme-2019-0022">https://sciencedirect.com/article/10.2478/mme-2019-0022</a>
A generalized consolidation model under cyclic loading	Monideepa Paul*, Ramendu Bikas Sahu, Goutam Banerjee	International Journal of Geotechnical Engineering	2019-2020	1939-7879	<a href="https://www.tandfonline.com/toc/yige20/current">https://www.tandfonline.com/toc/yige20/current</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/19386362.2019.1701219">https://www.tandfonline.com/doi/abs/10.1080/19386362.2019.1701219</a>
Efficient DropBox Deployment towards Improving Post Disaster Information Exchange in a Smart City	Nabanita Das, Souvik Basu*, Sipra Das Bit	ACM Transactions on Spatial Algorithms and Systems	2019-2020	2374-0353	<a href="https://dl.acm.org/journal/tsas">https://dl.acm.org/journal/tsas</a>	<a href="https://doi.org/10.1145/3373645">https://doi.org/10.1145/3373645</a>
Replaceability and negotiation in a cloud service ecosystem	Adrija Bhattacharya*, Sankhayan Choudhury, Agostino Cortesi	Journal of Cloud Computing	2019-2020	2192-113X	<a href="https://journalofcloudcomputing.springeropen.com/">https://journalofcloudcomputing.springeropen.com/</a>	<a href="https://journalofcloudcomputing.springeropen.com/articles/10.1186/s13677-019-0137-8">https://journalofcloudcomputing.springeropen.com/articles/10.1186/s13677-019-0137-8</a>
Efficient meta-data structure in top-k queries of combinations and multi-item procurement auctions	Biswajit Sanyal, Subhashis Majumder*, Wing-Kai Hon, Prosenjit Gupta	Theoretical Computer Science (TCS)	2019-2020	0304-3975	<a href="https://www.sciencedirect.com/journal/theoretical-computer-science">https://www.sciencedirect.com/journal/theoretical-computer-science</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0304397520300773?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S0304397520300773?via%3Dihub</a>

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Biclustering-based association rule mining approach for predicting cancer-associated protein interactions	Lopamudra Dey*, Anirban Mukhopadhyay	IET systems biology	2019-2020	1751-8849	<a href="https://digital-library.theiet.org/content/journals/10.1049/iet-syb.2019.0045">https://digital-library.theiet.org/content/journals/10.1049/iet-syb.2019.0045</a>	<a href="https://digital-library.theiet.org/content/journals/10.1049/iet-syb.2019.0045">https://digital-library.theiet.org/content/journals/10.1049/iet-syb.2019.0045</a>
A Graph-Based Approach for Finding the Dengue Infection Pathways in Humans Using Protein-Protein Interactions	Lopamudra Dey*, Anirban Mukhopadhyay	Journal of Computational Biology	2019-2020	1066-5277	<a href="https://www.liebertpub.com/doi/abs/10.1089/cmb.2019.0171">https://www.liebertpub.com/doi/abs/10.1089/cmb.2019.0171</a>	<a href="https://doi.org/10.1089/cmb.2019.0171">https://doi.org/10.1089/cmb.2019.0171</a>
Type-2 Multi-Fuzzy Sets and Their Applications in Decision Making	Mohuya B. Kar*, Bikashkoli Roy, Samarjit Kar, Saibal Majumder and Dragan Pamuca	Symmetry	2019-2020	2073-8994	<a href="https://www.mdpi.com/journal/symmetry/special_issues/Sustainability_Engineering_Processes">https://www.mdpi.com/journal/symmetry/special_issues/Sustainability_Engineering_Processes</a>	<a href="https://www.mdpi.com/2073-8994/11/2/170">https://www.mdpi.com/2073-8994/11/2/170</a>
A new bi-objective fuzzy portfolio selection model and its solution through evolutionary algorithms	Mohuya B. Kar*, Samarjit Kar, Sini Guo, Xiang Li, Saibal Majumder	Soft Computing	2019-2020	1432-7643	<a href="https://www.springer.com/journal/500">https://www.springer.com/journal/500</a>	<a href="https://link.springer.com/article/10.1007/s00500-018-3094-0">https://link.springer.com/article/10.1007/s00500-018-3094-0</a>
Design Optimization for Programmable Microfluidic Devices Integrating Contamination Removal and Capacity-Wastage-Aware Washing	Piyali Datta*, Arpan Chakraborty, and Rajat Kumar Pal	IETE Journal of Research	2019-2020	0377-2063	<a href="https://www.tandfonline.com/toc/tijr20/current">https://www.tandfonline.com/toc/tijr20/current</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/03772063.2020.1811784">https://www.tandfonline.com/doi/abs/10.1080/03772063.2020.1811784</a>
A Predictive Model for Fluid-Control Codesign of Paper-Based Digital Biochips Following a Machine Learning Approach	Piyali Datta*, Arpan Chakraborty, and Rajat Kumar Pal	IEEE Transactions on Very Large Scale Integration (VLSI) Systems	2019-2020	1557-9999	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=92">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=92</a>	<a href="https://dl.acm.org/doi/abs/10.1109/TVLSI.2020.3030501">https://dl.acm.org/doi/abs/10.1109/TVLSI.2020.3030501</a>
Uncertain programming models for multi-objective shortest path problem with uncertain parameters	Saibal Majumder, Mohuya B. Kar*, Samarjit Kar, Tandra Pal	Soft Computing	2019-2020	1432-7643	<a href="https://www.springer.com/journal/500">https://www.springer.com/journal/500</a>	<a href="https://doi.org/10.1007/s00500-019-04423-3">https://doi.org/10.1007/s00500-019-04423-3</a>
Neutrosophic fuzzy set and its application in decision making	Sujit Das, Bikashkoli Roy, Mohuya B. Kar*, Samarjit Kar, Dragan Pamucar	Journal of Ambient Intelligence and Humanized Computing	2019-2020	1868-5137	<a href="https://www.springer.com/journal/1007/s12652-020-01808-3">Journal of Ambient Intelligence and Humanized Computing   Home (springer.com)</a>	<a href="https://doi.org/10.1007/s12652-020-01808-3">https://doi.org/10.1007/s12652-020-01808-3</a>
Two-dimensional modeling of the underlap graded-channel FinFET	Ankush Chattopadhyay, Atanu Kundu*, Chandan K. Sarkar, Chayanika Bose	Journal of Computational Electronics	2019-2020	1572-8137	<a href="https://www.springer.com/journal/10825/">https://www.springer.com/journal/10825/</a>	<a href="https://doi.org/10.1007/s10825-020-01458-w">https://doi.org/10.1007/s10825-020-01458-w</a>
Comparative Study of Variations in Gate Oxide Materials of a Novel Underlap DG MOS-HEMT for Analog/RF and High Power Applications	Arnab Mondal, Akash Roy, Rajrup Mitra and Atanu Kundu*	Silicon	2019-2020	1876-9918	<a href="https://www.springer.com/journal/12633">https://www.springer.com/journal/12633</a>	<a href="https://doi.org/10.1007/s12633-019-00316-0">https://doi.org/10.1007/s12633-019-00316-0</a>
Hybrid advanced player selection strategy based population search for global optimization	Prativa Agarwalla*, Sumitra Mukhopadhyay	Expert Systems With Applications	2019-2020	0957-4174	<a href="https://www.elsevier.com/locate/eswa">www.elsevier.com/locate/eswa</a>	<a href="https://doi.org/10.1016/j.eswa.2019.112825">https://doi.org/10.1016/j.eswa.2019.112825</a>

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Integrated analysis of the miRNA–mRNA next-generation sequencing data for finding their associations in different cancer types	Shib Sankar Bhowmick*, Debotosh Bhattacharjee, Luis Rato	Computational Biology and Chemistry	2019-2020	1476-9271	<a href="https://www.journals.elsevier.com/computational-biology-and-chemistry">https://www.journals.elsevier.com/computational-biology-and-chemistry</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S147692717307077">https://www.sciencedirect.com/science/article/abs/pii/S147692717307077</a>
Predictive Diagnosis of Glaucoma Based on Analysis of Focal Notching along the Neuro-Retinal Rim Using Machine Learning	Rishav Mukherjee, Shamik Kundu, Kaushik Dutta, Anindya Sen*, and Somnath Majumdar	Pattern Recognition and Image Analysis	2019-2020	1054-6618	<a href="https://www.springer.com/journal/11493">https://www.springer.com/journal/11493</a>	<a href="https://doi.org/10.1134/S1054661819030155">https://doi.org/10.1134/S1054661819030155</a>
A model for distributed processing and analyses of ngs data under map-reduce paradigm	S Samaddar, R Sinha*, R K De	IEEE/ACM transactions on computational biology and bioinformatics	2019-2020	1557-9964	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8857">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8857</a>	<a href="https://ieeexplore.ieee.org/abstract/document/8319972">https://ieeexplore.ieee.org/abstract/document/8319972</a>
A Post-Disaster Demand Forecasting System Using Principal Component Regression Analysis and Case-Based Reasoning Over Smartphone-Based DTN	Souvik Basu, Siuli Roy*, Sipra Das Bit	IEEE Transactions on Engineering Management	2019-2020	0018-9391	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=17">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=17</a>	<a href="https://ieeexplore.ieee.org/document/8370768">https://ieeexplore.ieee.org/document/8370768</a>
Multi-warehouse partial backlogging inventory system with inflation for non-instantaneous deteriorating multi-item under imprecise environment	Dipankar Chakraborty*, Dipak Kumar Jana, Tapan Kumar Roy	Soft Computing	2019-2020	1432-7643	<a href="https://www.springer.com/journal/500">https://www.springer.com/journal/500</a>	<a href="https://link.springer.com/article/10.1007/s00500-020-04800-3">https://link.springer.com/article/10.1007/s00500-020-04800-3</a>
Quasi Orthodox Quasi Completely Regular Semirings	Maity, S. K. and Ghosh, R*.	Southeast Asian Bulletin of Mathematics	2019-2020	0129-2021	<a href="http://www.seams-bull-math.ynu.edu.cn/">http://www.seams-bull-math.ynu.edu.cn/</a>	<a href="https://www.medsci.cn/sci/show_paper.asp?id=0a11512c521606f9">https://www.medsci.cn/sci/show_paper.asp?id=0a11512c521606f9</a>
Economic performance and cost-effectiveness of using a DEC-salt social enterprise for eliminating the major neglected tropical disease, lymphatic filariasis	Swarnali Sharma*, Morgan E. Smith, Jeams Reimar, David B. O'Brien, Jean M. Brissau, Marie C. Donahue, Clarence E. Carter, Edwin Michael	PLoS Neglected Tropical Diseases	2019-2020	1935-2727	<a href="https://journals.plos.org/plosntds/">https://journals.plos.org/plosntds/</a>	<a href="https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0007094">https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0007094</a>
Corrosion behavior of AZ31-WC nano-composites	Banerjee, S., Poria, S*., Sutradhar, G., & Sahoo, P	Journal of Magnesium and Alloys	2019-2020	2213-9567	<a href="https://www.sciencedirect.com/journal/journal-of-magnesium-and-alloys">https://www.sciencedirect.com/journal/journal-of-magnesium-and-alloys</a>	<a href="https://www.sciencedirect.com/science/article/pii/S2213956719300738?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S2213956719300738?via%3Dihub</a>
Nanoindentation and scratch resistance characteristics of AZ31–WC nano-composites	Banerjee, S., Poria, S*., Sutradhar, G., & Sahoo, P.	Journal of Molecular and Engineering Materials	2019-2020	2251-2373	<a href="https://www.worldscientific.com/worldscinet/jmem">https://www.worldscientific.com/worldscinet/jmem</a>	<a href="https://www.worldscientific.com/doi/abs/10.1142/S2251237319500072">https://www.worldscientific.com/doi/abs/10.1142/S2251237319500072</a>
Dry Sliding Characteristics of Mg-WC Nano-Composites Using Grey Relational Optimization	Banerjee, S., Poria, S*., Sutradhar, G., & Sahoo, P.	Journal of Manufacturing Technology Research	2019-2020	1943-8095	<a href="https://novapublishers.com/shop/journal-of-manufacturing-technology-research/">https://novapublishers.com/shop/journal-of-manufacturing-technology-research/</a>	<a href="https://www.proquest.com/openview/0ed755608ffae73ee93c98484a29a5d3/1?pg-origsite=gscholar&amp;cbl=2034835">https://www.proquest.com/openview/0ed755608ffae73ee93c98484a29a5d3/1?pg-origsite=gscholar&amp;cbl=2034835</a>

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Tribological Characteristics of Electroless Ni–B–Mo Coatings at Different Operating Temperatures	Mukhopadhyay, A*., Barman, T. K. & Sahoo, P	Surface Review and Letters	2019-2020	0218-625X	<a href="https://www.worldscientific.com/worldscinet/srl">https://www.worldscientific.com/worldscinet/srl</a>	<a href="https://www.worldscientific.com/doi/abs/10.1142/S0218625X18501755">https://www.worldscientific.com/doi/abs/10.1142/S0218625X18501755</a>
Modeling Dynamic Stability and Cutting Forces in Micro Milling of Ti6Al4V Using Intermittent Oblique Cutting Finite Element Method Simulation-Based Force Coefficients	Priyabrata Sahoo, Karali Patra, Vishnu K. Singh*, Rinku K. Mittal, Ramesh K. Singh	Journal of Manufacturing Science and Engineering	2019-2020	1087-1357	<a href="https://asmedigitalcollection.asme.org/manufacturingscience">https://asmedigitalcollection.asme.org/manufacturingscience</a>	<a href="https://doi.org/10.1115/1.4047432">https://doi.org/10.1115/1.4047432</a>
Influences of TiAlN coating and limiting angles of flutes on prediction of cutting forces and dynamic stability in micro milling of die steel (P-20)	Priyabrata Sahoo, Karali Patra, Vishnu Kumar Singh*, Munish Kumar Gupta, Qinghua Song, Mozammel Mia, Danil Yurie	Journal of Materials Processing Technology	2019-2020	0924-0136	<a href="https://www.sciencedirect.com/journal/journal-of-materials-processing-technology">https://www.sciencedirect.com/journal/journal-of-materials-processing-technology</a>	<a href="https://doi.org/10.1016/j.jmatprotec.2019.116500">https://doi.org/10.1016/j.jmatprotec.2019.116500</a>
Exergy and Cost Optimization of a Two-Stage Refrigeration System Using Refrigerant R32 and R410A, ASME Journal of Thermal Science and Engineering Applications	Ranendra Roy, Arup Jyoti Bhowal*, Bijan Kumar Mandal	ASME Journal of Thermal Science and Engineering Applications	2019-2020	1948-5085	<a href="https://asmedigitalcollection.asme.org/thermalscienceapplication">https://asmedigitalcollection.asme.org/thermalscienceapplication</a>	<a href="https://doi.org/10.1115/1.4046253">https://doi.org/10.1115/1.4046253</a>
Availability analysis of two dimensional nucleation on cylindrical substrates	Singha, S. K.*., Das, P. K. & Maiti, B.	International Journal of Heat and Mass Transfer	2019-2020	0017-9310	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0017931019308828">https://www.sciencedirect.com/science/article/abs/pii/S0017931019308828</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0017931019308828">https://www.sciencedirect.com/science/article/abs/pii/S0017931019308828</a>
Excited negative parity bands in <sup>160</sup> Yb	A Saha, T Bhattacharjee, D Curien, I Dedes, K Mazurek, S R Banerjee, S Rajbanshi, A Bisoi, G de Angelis, Soumik Bhattacharya, S Bhattacharyya, S Biswas, A Chakraborty, S Das Gupta*, B Dey, A Goswami, D Mondal, D Pandit, R Palit, T Roy, R P Singh, M Saha Sarkar, S Saha and J Sethi	Physica Scripta	2019-2020	0031-8949	<a href="https://iopscience.iop.org/journal/1402-4896">https://iopscience.iop.org/journal/1402-4896</a>	<a href="https://iopscience.iop.org/article/10.1088/1402-4896/aaa1fa">https://iopscience.iop.org/article/10.1088/1402-4896/aaa1fa</a>
Magnetotransport in fractal network with loop sub-structures: Anisotropic effect and delocalization	Baisakhi Mal*, Madhuparna Banerjee, Santanu K. Maiti	Physics Letters A	2019-2020	0375-9601	<a href="https://www.sciencedirect.com/journal/physics-letters-a">https://www.sciencedirect.com/journal/physics-letters-a</a>	<a href="https://doi.org/10.1016/j.physleta.2020.126378">https://doi.org/10.1016/j.physleta.2020.126378</a>
Water dimer isomers: interaction energies and electronic structure	Sourav Ranjan Ghosh*, Bhaswati Debnath & Atish Dipankar Jana	Journal of Molecular Modeling	2019-2020	1610-2940	<a href="https://www.springer.com/journal/894">https://www.springer.com/journal/894</a>	<a href="https://link.springer.com/article/10.1007/s00894-019-4274-2">https://link.springer.com/article/10.1007/s00894-019-4274-2</a>
B13+ is a Tri-Spoke Wheel: A New Revelation through Electronic Structure Analysis	Sourav Ranjan Ghosh*, Atish Dipankar Jana	ChemistrySelect	2019-2020	2365-6549	<a href="https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549">https://chemistry-europe.onlinelibrary.wiley.com/journal/23656549</a>	<a href="https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/slct.201904229">https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/slct.201904229</a>



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Planarity does not always mean higher aromaticity – Intriguing metalloaromaticity of three Al13+ isomers	Surajit Guin, Sourav Ranjan Ghosh*, Atish Dipankar Jana	Journal of Molecular Graphics and Modelling	2019-2020	1093-3263	<a href="https://www.sciencedirect.com/journal/journal-of-molecular-graphics-and-modelling">https://www.sciencedirect.com/journal/journal-of-molecular-graphics-and-modelling</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1093326319308563">https://www.sciencedirect.com/science/article/abs/pii/S1093326319308563</a>
Tea Quality Prediction by Sparse Modeling of Electronic Tongue Signals	Pradip Saha*, Santanu Ghorai, Bipan Tudu, Rajib Bandyopadhyay, and Nabarun Bhattacharyya	IEEE Transactions on Instrumentation and Measurement	2018-2019	1557-9662	<a href="https://ieeexplore.ieee.org/abstract/document/8534394">https://ieeexplore.ieee.org/abstract/document/8534394</a>	<a href="https://ieeexplore.ieee.org/document/8534394">https://ieeexplore.ieee.org/document/8534394</a>
Quality Controlled Compression Technique for Photoplethysmogram Monitoring Applications	Samiul Alam*, Rajarshi Gupta, Jitendra Nath Bera	Measurement	2018-2019	0263-2241	<a href="https://www.sciencedirect.com/journal/measurement">https://www.sciencedirect.com/journal/measurement</a>	<a href="https://doi.org/10.1016/j.measurement.2018.07.091">https://doi.org/10.1016/j.measurement.2018.07.091</a>
Development and performance analysis of a low-cost MEMS microphone-based hearing aid with three different audio amplifiers	Souvik Mallik, Debjyoti Chowdhury* and Madhurima Chattopadhyay	Innovations in Systems and Software Engineering	2018-2019	1614-5046	<a href="https://www.springer.com/journal/11334">https://www.springer.com/journal/11334</a>	<a href="https://link.springer.com/article/10.1007/s11334-019-00325-7">https://link.springer.com/article/10.1007/s11334-019-00325-7</a>
Green synthesis and characterization of silver nanoparticles using belladonna mother tincture and its efficacy as a potential antibacterial and anti-inflammatory agent	Das, P., Ghosal, K., Jana, N.K.*, Mukherjee, A., Basak, P.	Materials Chemistry and Physics	2018-2019	0254-0584	<a href="https://www.journals.elsevier.com/materials-chemistry-and-physics">https://www.journals.elsevier.com/materials-chemistry-and-physics</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0254058419301592">https://www.sciencedirect.com/science/article/abs/pii/S0254058419301592</a>
Bis (Isothiocyanatomethyl) Benzene, A Plant Derived Anti-Neoplastic Compound: Purified from Moringa Oleifera Leaf Extract	S. Paul, P. Basak, N. Maity, C. Guha, Jana, N.K.*	Anti-cancer agents in medicinal chemistry	2018-2019	1875-5992	<a href="https://benthamscience.com/journals/anti-cancer-agents-in-medicinal-chemistry/">https://benthamscience.com/journals/anti-cancer-agents-in-medicinal-chemistry/</a>	<a href="https://www.eurekaselect.com/169696/article">https://www.eurekaselect.com/169696/article</a>
Emulsions stabilized by soy protein nanoparticles as potential functional non-dairy yogurts	Samadrita Sengupta, Dipak K Bhattacharya, Riddhi Goswami*, Jayati Bhowal	Journal of the Science of Food and Agriculture	2018-2019	0022-5142	<a href="https://onlinelibrary.wiley.com/journal/10970010">https://onlinelibrary.wiley.com/journal/10970010</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.9851">https://onlinelibrary.wiley.com/doi/abs/10.1002/jsfa.9851</a>
Adsorption Study Of Chromium (VI) By Dried Biomass Of Tea-Leaves	Sonali Hazra Das*, Jhinuk Saha, Ananya Saha, Arun Kumar Rao, Bhaswati Chakraborty And Sudipta Dey	Journal of Indian Chemical Society	2018-2019	0019-4522	<a href="https://www.journals.elsevier.com/journal-of-the-indian-chemical-society">https://www.journals.elsevier.com/journal-of-the-indian-chemical-society</a>	<a href="http://www.indianchemicalsociety.com/portal/uploads/journal/2019_04_6_Extended_1556592447.pdf">http://www.indianchemicalsociety.com/portal/uploads/journal/2019_04_6_Extended_1556592447.pdf</a>
Development of Functionalized Graphene Supported Highly Durable Pt-Free Bi-metallic Electrocatalysts for PEMFC	Avijit Ghosh*, Sunil Baran Kuila, Biswajit Mandal	Materials Today	2018-2019	2214-7853	<a href="https://www.sciencedirect.com/journal/materials-today-proceedings">https://www.sciencedirect.com/journal/materials-today-proceedings</a>	<a href="https://www.sciencedirect.com/science/article/pii/S2214785319318334">https://www.sciencedirect.com/science/article/pii/S2214785319318334</a>
Enumeration of monosugars' inhibition characteristics on the kinetics of enzymatic hydrolysis of cellulose	Dibyajyoti Haldar, Kalyan Gayen, Dwaipayan Sen*	Process Biochemistry	2018-2019	1359-5113	<a href="https://www.journals.elsevier.com/process-biochemistry">https://www.journals.elsevier.com/process-biochemistry</a>	<a href="https://doi.org/10.1016/j.procbio.2018.06.008">https://doi.org/10.1016/j.procbio.2018.06.008</a>
Cost-effective template development for the microfluidic device	Sambita Choudhury, Sambit Dutta and Sulagna Chatterjee*	Micro & Nano Letters	2018-2019	1750-0443	<a href="https://ietresearch.onlinelibrary.wiley.com/journal/17500443">https://ietresearch.onlinelibrary.wiley.com/journal/17500443</a>	<a href="https://ietresearch.onlinelibrary.wiley.com/doi/epdf/10.1049/mnl.2018.5411">https://ietresearch.onlinelibrary.wiley.com/doi/epdf/10.1049/mnl.2018.5411</a>

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A review on the application of different treatment processes for emulsified oily wastewater	Sirsha Putatunda, Souptik Bhattacharya, Dwaipayan Sen*, Chiranjib Bhattacharjee	International Journal of Environmental Science and Technology	2018-2019	1735-1472	<a href="https://www.springer.com/journal/13762">https://www.springer.com/journal/13762</a>	<a href="https://link.springer.com/article/10.1007/s13762-018-2055-6">https://link.springer.com/article/10.1007/s13762-018-2055-6</a>
Controlled release of microencapsulated probiotics in food matrix	Soham Basu, Debolina Banerjee, Ranjana Chowdhury and Pinaki Bhattacharya*	Journal of Food Engineering	2018-2019	0260-8774	<a href="https://www.journals.elsevier.com/journal-of-food-engineering">https://www.journals.elsevier.com/journal-of-food-engineering</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0260877418302553">https://www.sciencedirect.com/science/article/abs/pii/S0260877418302553</a>
Estimation of kinetic parameters during enzymatic hydrolysis in immobilized mode	Sreyashi Ghosh, Dipayan Chakraborty, Sangita Bhattacharjee*	International Journal of Chem Tech Research	2018-2019	0974-4290	<a href="https://sphinxsai.com/chemtech.php">https://sphinxsai.com/chemtech.php</a>	<a href="http://dx.doi.org/10.20902/IJCTR.2018.110708">http://dx.doi.org/10.20902/IJCTR.2018.110708</a>
Kinetics of enriched Chitinase as extracellular metabolite of Beauveria bassiana	Subhoshmita Mondal, Alokandana Mukhopadhyay, Siddhartha Datta and Pinaki Bhattacharya*	Microbiology and Biotechnology Letters	2018-2019	2234-7305	<a href="http://www.mbl.or.kr/main.html">http://www.mbl.or.kr/main.html</a>	<a href="https://doi.org/10.4014/mbl.1802.02011">https://doi.org/10.4014/mbl.1802.02011</a>
Synergistic combination of Pd and Co catalyst nanoparticles over self designed MnO <sub>2</sub> structure: Green synthetic approach and unprecedented electrode kinetics in direct ethanol fuel cell	Abhishek De, Jayati Datta*	ACS Sustainable Chemistry & Engineering	2018-2019	2168-0485	<a href="https://pubs.acs.org/journal/ascecg">https://pubs.acs.org/journal/ascecg</a>	<a href="https://pubs.acs.org/doi/10.1021/acssuschemeng.8b01251">https://pubs.acs.org/doi/10.1021/acssuschemeng.8b01251</a>
Cost effective and energy efficient catalytic support of Co and Ni in Pd matrix toward ethanol oxidation reaction: product analysis and mechanistic interpretation	Achintya Mondal, Abhishek De, Jayati Datta*	Applied Catalysis A: General	2018-2019	0926-860X	<a href="https://www.sciencedirect.com/journal/applied-catalysis-a-general">https://www.sciencedirect.com/journal/applied-catalysis-a-general</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0926860X18302369">https://www.sciencedirect.com/science/article/abs/pii/S0926860X18302369</a>
Selective methodology for developing PtCo NPs and performance screening for energy efficient electro-catalysis in direct ethanol fuel cell	Achintya Mondal, Abhishek De, Jayati Datta*	International Journal of Hydrogen Energy	2018-2019	0360-3199	<a href="https://www.sciencedirect.com/journal/international-journal-of-hydrogen-energy">https://www.sciencedirect.com/journal/international-journal-of-hydrogen-energy</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0360319919307657">https://www.sciencedirect.com/science/article/abs/pii/S0360319919307657</a>
Iron Doped CdSe Films with Improved Photosensitivity and Stability for Use in a Liquid Junction Solar Cell	Atanu Jana, Mukul Hazra, Jayati Datta*	ACS Applied Energy Materials	2018-2019	2574-0962	<a href="https://pubs.acs.org/journal/aaemcc">https://pubs.acs.org/journal/aaemcc</a>	<a href="https://pubs.acs.org/doi/10.1021/acsaem.8b00853">https://pubs.acs.org/doi/10.1021/acsaem.8b00853</a>
Improved stability toward photo-electrochemical behavior of multi-chalcogenide CdSeS thin films	Mukul Hazra, Atanu Jana, Jayati Datta*	Applied Surface Science	2018-2019	0169-4332	<a href="https://www.sciencedirect.com/journal/applied-surface-science">https://www.sciencedirect.com/journal/applied-surface-science</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0169433218314557">https://www.sciencedirect.com/science/article/abs/pii/S0169433218314557</a>
Hypothesizing the applicability of the principle of linear combination in predicting sensing behaviors of quantum dots: A deeper understanding of the precise tuning of quantum dot properties with capping composition	S. Kayal, A. Mandal*, P. Pramanik, M. Halder	J. Photochem Photobiol. A: Chemistry	2018-2019	1010-6030	<a href="https://www.journals.elsevier.com/journal-of-photochemistry-and-photobiology-a-chemistry">https://www.journals.elsevier.com/journal-of-photochemistry-and-photobiology-a-chemistry</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1010603018314862">https://www.sciencedirect.com/science/article/abs/pii/S1010603018314862</a>

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Mode switching phenomenon in geometrically nonlinear free vibration analysis of in-plane inhomogeneous plates on elastic foundation	Hareram Lohar, Anirban Mitra and Sarmila Sahoo*	Curved and Layered Structures	2018-2019	2353-7396	<a href="https://www.degruyter.com/journal/key/CLS/html">https://www.degruyter.com/journal/key/CLS/html</a>	<a href="https://www.degruyter.com/document/doi/10.1515/cls-2018-0012/html">https://www.degruyter.com/document/doi/10.1515/cls-2018-0012/html</a>
Nonlinear response of axially functionally graded Timoshenko beams on elastic foundation under harmonic excitation	Hareram Lohar, Anirban Mitra and Sarmila Sahoo*	Curved and Layered Structures	2018-2019	2353-7396	<a href="https://www.degruyter.com/journal/key/CLS/html">https://www.degruyter.com/journal/key/CLS/html</a>	<a href="https://www.degruyter.com/document/doi/10.1515/cls-2019-0008/html">https://www.degruyter.com/document/doi/10.1515/cls-2019-0008/html</a>
Geometrically non-linear frequency response of axially functionally graded beams resting on elastic foundation under harmonic excitation	Hareram Lohar, Anirban Mitra and Sarmila Sahoo*	International Journal of Manufacturing, Materials, and Mechanical Engineering (IJMMME)	2018-2019	2156-1680	<a href="https://www.igi-global.com/journal/international-journal-manufacturing-materials-mechanical/41020">https://www.igi-global.com/journal/international-journal-manufacturing-materials-mechanical/41020</a>	<a href="https://www.igi-global.com/gateway/article/207287">https://www.igi-global.com/gateway/article/207287</a>
Turbulence characteristics in wall-wake flows downstream of wall-mounted and near-wall horizontal cylinders	S Dey, R Lodh*, S Sarkar	Environmental Fluid Mechanics	2018-2019	1567-7419	<a href="https://www.springer.com/journal/10652">https://www.springer.com/journal/10652</a>	<a href="https://doi.org/10.1007/s10652-018-9573-0">https://doi.org/10.1007/s10652-018-9573-0</a>
A Post Disaster Demand Forecasting System using Principal Component Regression Analysis and Case-Based Reasoning over Smartphone based DTN	Souvik Basu*, Siuli Roy, Sipra DasBit	IEEE Transactions on Engineering Management	2018-2019	0018-9391	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=17">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=17</a>	<a href="https://ieeexplore.ieee.org/document/8370768">https://ieeexplore.ieee.org/document/8370768</a>
Coverage and rate analysis in two-tier heterogeneous networks under suburban and urban scenarios	Arijeet Ghosh, Iti Saha Misra, Anindita Kundu*	Transactions on Emerging Telecommunications Technologies	2018-2019	2161-3915	<a href="https://onlinelibrary.wiley.com/journal/21613915">https://onlinelibrary.wiley.com/journal/21613915</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.3648">https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.3648</a>
Fluid-level synthesis unifying reliability, contamination avoidance, and capacity-wastage-aware washing for droplet-based microfluidic biochips	Arpan Chakraborty, Piyali Datta*, and Rajat Kumar Pal	IET Computers & Digital Techniques	2018-2019	1751-8601	<a href="https://ietresearch.onlinelibrary.wiley.com/journal/1751861x">https://ietresearch.onlinelibrary.wiley.com/journal/1751861x</a>	<a href="https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/iet-cdt.2018.5037">https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/iet-cdt.2018.5037</a>
A New Fluid-Chip Co-Design for Digital Microfluidic Biochips Considering Cost Drivers and Design Convergence	Arpan Chakraborty, Piyali Datta*, and Rajat Kumar Pal	IEEE Transactions on Multi-Scale Computing Systems	2018-2019	2332-7766	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6687315">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6687315</a>	<a href="https://ieeexplore.ieee.org/document/8482288">https://ieeexplore.ieee.org/document/8482288</a>
A low-cost fluid-level synthesis for droplet-based microfluidic biochips integrating design convergence, contamination avoidance, and washing	Arpan Chakraborty, Piyali Datta*, and Rajat Kumar Pal	Design Automation for Embedded Systems	2018-2019	1572-8080	<a href="https://www.springer.com/journal/10617">https://www.springer.com/journal/10617</a>	<a href="https://doi.org/10.1007/s10617-018-9215-2">https://doi.org/10.1007/s10617-018-9215-2</a>
Collaborative Recommendations using Hierarchical Clustering based on K-d Trees and Quadrees	Joydeep Das, Subhashis Majumder, Prosenjit Gupta* and Kalyani Mali	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	2018-2019	0218-4885	<a href="https://www.worldscientific.com/worldscinet/ijufks">https://www.worldscientific.com/worldscinet/ijufks</a>	<a href="https://www.worldscientific.com/doi/abs/10.1142/S0218488519500284">https://www.worldscientific.com/doi/abs/10.1142/S0218488519500284</a>

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A multi-objective multi-item solid transportation problem with vehicle cost, volume and weight capacity under fuzzy environment	Mouhya B. Kar*, Pradip Kundu, Samarjit Kar, Tandra Pal	Journal of Intelligent and Fuzzy Systems	2018-2019	1875-8967	<a href="https://www.iospress.nl/journal/journal-of-intelligent-fuzzy-systems/">https://www.iospress.nl/journal/journal-of-intelligent-fuzzy-systems/</a>	<a href="https://doi.org/10.3233/JIFS-171717">https://doi.org/10.3233/JIFS-171717</a>
An Efficient Multiple Fault Detection Technique in Digital Microfluidic Biochips	Sagarika Chowdhury, Piyali Datta*, Rajat Kumar Pal, and Gautam Saha	IETE Journal of Research	2018-2019	0377-2063	<a href="https://www.tandfonline.com/toc/tijr20/current">https://www.tandfonline.com/toc/tijr20/current</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/03772063.2019.1571954">https://www.tandfonline.com/doi/abs/10.1080/03772063.2019.1571954</a>
Missing value imputation in DNA microarray gene expression data: a comparative study of an improved collaborative filtering method with decision tree based approach	Sujay Saha*, Anupam Ghosh, Saikat Bandopadhyay, Kashi Nath Dey	International Journal of Computational Science and Engineering	2018-2019	1742-7193	<a href="https://www.inderscienceonline.com/loi/ijcse">https://www.inderscienceonline.com/loi/ijcse</a>	<a href="https://doi.org/10.1504/IJCSSE.2019.097954">https://doi.org/10.1504/IJCSSE.2019.097954</a>
Cross-wavelet transform as a new prototype for classification of EEG signals	Dhar, P., Dutta, S.*, Mukherjee, V., Dhar, A., Das, P.	Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization	2018-2019	2168-1163	<a href="https://www.tandfonline.com/toc/tciv20/current">https://www.tandfonline.com/toc/tciv20/current</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/21681163.2018.1523749">https://www.tandfonline.com/doi/abs/10.1080/21681163.2018.1523749</a>
Differential evolution based small signal modeling of GaN HEMT	Arijit Majumdar, Soumyo Chatterjee*, Sulagna Bose, Sayan Chatterjee, Sheli S Chaudhari, Dipak R Poddar	International Journal of RF and Microwave Computer-Aided Engineering	2018-2019	1099-047X	<a href="http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-047X">http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-047X</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/mmce.21693">https://onlinelibrary.wiley.com/doi/abs/10.1002/mmce.21693</a>
An Extensive Study on Different Underlap Architectures for Improved Analog/RF Performance of 32 nm DG-MOSFET	Avtar Singh, Arpan Dasgupta, Rahul Das, Atanu Kundu*, Saurabh Chaudhury	International Journal of Nanoelectronics and Materials	2018-2019	1985-5761	<a href="https://ijneam.unimap.edu.my/">https://ijneam.unimap.edu.my/</a>	<a href="https://ijneam.unimap.edu.my/images/PDF/Jan%202019/Vol_12_No_1_2019_9_75-84.pdf">https://ijneam.unimap.edu.my/images/PDF/Jan%202019/Vol_12_No_1_2019_9_75-84.pdf</a>
Comparative Study on Perovskite Solar Cells based on Titanium, Nickel and Cadmium doped BiFeO3 active material	Komal Kumari, Tapas Chakrabarti*, Abir Janaa, Disha Bhattachartjee, Bhaskar Gupta, Subir Kumar Sarkar	Optical Materials	2018-2019	0925-3467	<a href="https://www.sciencedirect.com/journal/optical-materials">https://www.sciencedirect.com/journal/optical-materials</a>	<a href="https://doi.org/10.1016/j.optmat.2018.07.071">https://doi.org/10.1016/j.optmat.2018.07.071</a>
Reliability analysis through linearity and harmonic distortion of a dual-material-gate asymmetric underlapped DG-MOSFET	Rahul Das, Arpan Dasgupta, Atanu Kundu*	Microelectronics Reliability	2018-2019	0026-2714	<a href="https://www.journals.elsevier.com/microelectronics-reliability">https://www.journals.elsevier.com/microelectronics-reliability</a>	<a href="https://doi.org/10.1016/j.microrel.2018.11.002">https://doi.org/10.1016/j.microrel.2018.11.002</a>
A new protocol for concurrently allocating licensed spectrum to underlay cognitive users	Sabyasachi Chatterjee, Prabir Banerjee*, Mita Nasipuri	Digital Communication and Networks	2018-2019	2468-5925	<a href="http://www.keaipublishing.com/en/journals/digital-communications-and-networks/">http://www.keaipublishing.com/en/journals/digital-communications-and-networks/</a>	<a href="https://www.sciencedirect.com/science/article/pii/S2352864817301256">https://www.sciencedirect.com/science/article/pii/S2352864817301256</a>
Identification of tissue-specific tumor biomarker using different optimization algorithms	Shib Sankar Bhowmick*, Debotosh Bhattacharjee, Luis Rato	Genes and Genomics	2018-2019	2092-9293	<a href="https://www.springer.com/journal/13258/">https://www.springer.com/journal/13258/</a>	<a href="https://link.springer.com/article/10.1007/s13258-018-0773-2">https://link.springer.com/article/10.1007/s13258-018-0773-2</a>
In silico markers: an evolutionary and statistical approach to select informative genes of human breast cancer subtypes	Shib Sankar Bhowmick*, Debotosh Bhattacharjee, Luis Rato	Genes and Genomics	2018-2019	2092-9293	<a href="https://www.springer.com/journal/13258">https://www.springer.com/journal/13258</a>	<a href="https://link.springer.com/article/10.1007/s13258-019-00816-8">https://link.springer.com/article/10.1007/s13258-019-00816-8</a>



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Genome-wide analysis of NGS data to compile cancer-specific panels of miRNA biomarkers	Shib Sankar Bhowmick*, Indrajit Saha, Debotosh Bhattacharjee, Loredana M Genovese, Filippo Geraci	PloS one	2018-2019	1932-6203	<a href="https://journals.plos.org/plosone/">https://journals.plos.org/plosone/</a>	<a href="https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0200353">https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0200353</a>
Comparative analysis of physical organic and inorganic Dye-sensitized solar cell	Tapas Chakrabarti*, Anup Dey, Subir Kumar Sarkar	Optical Materials	2018-2019	0925-3467	<a href="https://www.sciencedirect.com/journal/optical-materials">https://www.sciencedirect.com/journal/optical-materials</a>	<a href="https://doi.org/10.1016/j.optmat.2018.05.009">https://doi.org/10.1016/j.optmat.2018.05.009</a>
Embedded Metal nano tube, Textured Silicon wafer reduce the optical loss of solar cell	Tapas Chakrabarti*, Subir Kumar Sarkar	Journal of Optics	2018-2019	0972-8821	<a href="https://www.springer.com/journal/12596">https://www.springer.com/journal/12596</a>	<a href="https://en.x-mol.com/paper/article/1335582446791913616">https://en.x-mol.com/paper/article/1335582446791913616</a>
Intention aware misbehavior detection for post-disaster opportunistic communication over peer-to-peer DTN	Chandrima Chakraborti, Siuli Roy*, Souvik Basu	Springer Peer-to-Peer Networking and Applications	2018-2019	1936-6442	<a href="https://www.springer.com/journal/12083">https://www.springer.com/journal/12083</a>	<a href="https://link.springer.com/article/10.1007/s12083-018-0667-8">https://link.springer.com/article/10.1007/s12083-018-0667-8</a>
Image feature based high capacity steganographic algorithm	Rajib Biswas*, Imon Mukherjee, Samir Kumar Bandyopadhyay	Multimedia Tools and Applications	2018-2019	1380-7501	<a href="https://www.springer.com/journal/11042/">https://www.springer.com/journal/11042/</a>	<a href="https://link.springer.com/article/10.1007/s11042-019-7369-y">https://link.springer.com/article/10.1007/s11042-019-7369-y</a>
Post-disaster map builder: Crowdsensed digital pedestrian map construction of the disaster affected areas through smartphone based DTN	Suman Bhattacharjee, Siuli Roy*, Sipra Das Bit	Computer Communications	2018-2019	0140-3664	<a href="https://www.sciencedirect.com/journal/computer-communications">https://www.sciencedirect.com/journal/computer-communications</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0140366418305917">https://www.sciencedirect.com/science/article/abs/pii/S0140366418305917</a>
Two-warehouse partial backlogging inventory model with ramp type demand rate, three-parameter Weibull distribution deterioration under inflation and permissible delay in payments	Dipankar Chakraborty*, Dipak Kumar Jana, Tapan Kumar Roy	Computers & Industrial Engineering	2018-2019	0360-8352	<a href="https://www.sciencedirect.com/journal/computers-and-industrial-engineering">https://www.sciencedirect.com/journal/computers-and-industrial-engineering</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0360835218302948">https://www.sciencedirect.com/science/article/abs/pii/S0360835218302948</a>
Quantifying the value of surveillance data for improving model predictions of lymphatic filariasis elimination	Edwin Michael, Swarnali Sharma*, Morgan E. Smith, Panayiota Touloupou, Federica Giardina, Joaquin M. Prada, Wilma A. Stolk, Deirdre Hollingsworth, Sake J. de Vlas	PLoS Neglected Tropical Diseases	2018-2019	1935-2735	<a href="https://journals.plos.org/plosntds/">https://journals.plos.org/plosntds/</a>	<a href="https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0006674">https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0006674</a>
Bell-CHSH violation under global unitary operations: Necessary and sufficient conditions	Ganguly, Nirman*, Mukherjee, A, Roy, A, Bhattacharya, S, S, Paul, B and Mukherjee, K	International Journal of Quantum Information	2018-2019	1793-6918	<a href="https://www.worldscientific.com/worldscinet/ijqi">https://www.worldscientific.com/worldscinet/ijqi</a>	<a href="https://www.worldscientific.com/doi/10.1142/S0219749918500405">https://www.worldscientific.com/doi/10.1142/S0219749918500405</a>
Retractive nil-extensions of completely simple semirings	Maity, S. K., Chatterjee, R & Ghosh, R.*	Quasigroups and Related Systems	2018-2019	1561-2848	<a href="http://www.quasigroups.eu">http://www.quasigroups.eu</a>	<a href="http://www.quasigroups.eu/contents/download/2018/26_11.pdf">http://www.quasigroups.eu/contents/download/2018/26_11.pdf</a>
Multi-objective inventory model with both stock-dependent demand rate and holding cost rate under fuzzy random environment	Totan Garai, Dipankar Chakraborty*, Tapan Kumar Roy	Annals of Data Science	2018-2019	2198-5804	<a href="https://www.springer.com/journal/40745">https://www.springer.com/journal/40745</a>	<a href="https://link.springer.com/article/10.1007/s40745-018-00186-0">https://link.springer.com/article/10.1007/s40745-018-00186-0</a>



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Fully fuzzy inventory model with price-dependent demand and time varying holding cost under fuzzy decision variables	Totan Garai, Dipankar Chakraborty*, Tapan Kumar Roy	Journal of Intelligent & Fuzzy Systems	2018-2019	1064-1246	<a href="https://content.iospress.com/journals/journal-of-intelligent-and-fuzzy-systems/Pre-press/Pre-press">https://content.iospress.com/journals/journal-of-intelligent-and-fuzzy-systems/Pre-press/Pre-press</a>	<a href="https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs18379">https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs18379</a>
A multi-item generalized intuitionistic fuzzy inventory model with inventory level dependent demand using possibility mean, variance and covariance	Totan Garai, Dipankar Chakraborty*, Tapan Kumar Roy	Journal of Intelligent & Fuzzy Systems	2018-2019	1064-1246	<a href="https://content.iospress.com/journals/journal-of-intelligent-and-fuzzy-systems/Pre-press/Pre-press">https://content.iospress.com/journals/journal-of-intelligent-and-fuzzy-systems/Pre-press/Pre-press</a>	<a href="https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs17298">https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs17298</a>
A multi-item multi-objective inventory model in exponential fuzzy environment using chance-operator techniques	Totan Garai, Dipankar Chakraborty*, Tapan Kumar Roy	The Journal of Analysis	2018-2019	2367-2501	<a href="https://www.springer.com/journal/41478">https://www.springer.com/journal/41478</a>	<a href="https://link.springer.com/article/10.1007/s41478-018-0152-z">https://link.springer.com/article/10.1007/s41478-018-0152-z</a>
Optimization of Fractal Dimension of Turned AISI 1040 Steel Surface Considering Different Cutting Conditions: Fractal Dimension of Turned Steel Surface	Arkadeb Mukhopadhyay, Manik Barman*, Prasanta Sahoo	International Journal of Surface Engineering and Interdisciplinary Materials Science	2018-2019	2166-7225	<a href="https://www.igi-global.com/journal/international-journal-surface-engineering-interdisciplinary/59713">https://www.igi-global.com/journal/international-journal-surface-engineering-interdisciplinary/59713</a>	<a href="https://www.igi-global.com/gateway/article/234397#pnlRecommendationForm">https://www.igi-global.com/gateway/article/234397#pnlRecommendationForm</a>
A Transient Study on the Development of Temperature Field and Soot under Reduced Gravity in a Methane Air Diffusion Flame	Arup Jyoti Bhowal* and Bijan Kumar Mandal	Microgravity Science and Technology	2018-2019	0938-0108	<a href="https://www.springer.com/journal/12217">https://www.springer.com/journal/12217</a>	<a href="https://link.springer.com/article/10.1007/s12217-018-9665-y">https://link.springer.com/article/10.1007/s12217-018-9665-y</a>
Tribological behavior of electroless Ni-B-Mo coatings under dry and lubricated conditions and corrosion resistance in 3.5% NaCl solution	Mukhopadhyay, A*, Barman, T. K. & Sahoo, P.	Jurnal Tribologi	2018-2019	2289-7232	<a href="https://jurnaltribologi.mytribos.org/">https://jurnaltribologi.mytribos.org/</a>	<a href="https://jurnaltribologi.mytribos.org/v18/JT-18-108-123.pdf">https://jurnaltribologi.mytribos.org/v18/JT-18-108-123.pdf</a>
Influence of Salinity on the Mechanism of Surface Icing: Implication to the Disappearing Freezing Singularity	Singha, S. K. *, Das, P. K. & Maiti, B.	Langmuir	2018-2019	0743-7463	<a href="https://pubs.acs.org/toc/langd5/34/30">https://pubs.acs.org/toc/langd5/34/30</a>	<a href="https://doi.org/10.1021/acs.langmuir.8b00969">https://doi.org/10.1021/acs.langmuir.8b00969</a>
Minimum power consuming algorithm to select relay node of mimo integrated mobile ad hoc network	Chowdhuri, S., Banerjee, P., Choudhuri, S.S., and Mal, D*.	Indian Journal of Science and Technology	2018-2019	0974-5645	<a href="https://indjst.org/">https://indjst.org/</a>	<a href="https://dx.doi.org/10.17485/ijst/2018/v11i26/118888">https://dx.doi.org/10.17485/ijst/2018/v11i26/118888</a>
Metal–ligand ring aromaticity in a 2D coordination polymer used as a photosensitive electronic device	Faruk Ahmed, Sourav Ranjan Ghosh*, Soumi Halder, Surajit Guin, Seikh Mafiz Alam, Partha Pratim Ray, Atish Dipankar Jana, Mohammad Hedayetullah Mir	New Journal of Chemistry	2018-2019	1144-0546	<a href="https://pubs.rsc.org/en/journals/journalissues/nj#!recentarticles&amp;adv">https://pubs.rsc.org/en/journals/journalissues/nj#!recentarticles&amp;adv</a>	<a href="https://pubs.rsc.org/en/content/articlelanding/2019/nj/c8nj05526b/unauth#!divAbstract">https://pubs.rsc.org/en/content/articlelanding/2019/nj/c8nj05526b/unauth#!divAbstract</a>
Unconventional localization phenomena in a spatially non-uniform disordered material	Madhuparna Banerjee, Baisakhi Mal*, Santanu K.Maiti	Physica E: Low-Dimensional Systems and Nanostructures	2018-2019	1386-9477	<a href="https://www.sciencedirect.com/journal/physica-e-low-dimensional-systems-and-nanostructures">https://www.sciencedirect.com/journal/physica-e-low-dimensional-systems-and-nanostructures</a>	<a href="https://doi.org/10.1016/j.physe.2018.08.011">https://doi.org/10.1016/j.physe.2018.08.011</a>

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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	
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First report of a planar and a quasi-planar Al13+ cluster having localized antiaromatic deltas within an aromatic sea: NICS, ELF, AIM, and AdNDP bonding analysis	Surajit Guin, Sourav Ranjan Ghosh*, Atish Dipankar Jana	Journal of Molecular Modeling	2018-2019	1610-2940	<a href="https://www.springer.com/journal/894">https://www.springer.com/journal/894</a>	<a href="https://link.springer.com/article/10.1007/s00894-018-3875-5">https://link.springer.com/article/10.1007/s00894-018-3875-5</a>
Sensors of Tin Oxide with Additives for Assessment of Tea Aroma and Determination of an Optimized Sensor Array Using Rough Set Theory	Debashis Dutta, Anil Kumar Bag*, Saptarshi Ghosh, Bipan Tudu, Nabarun Bhattacharyya, Rajib Bandyopadhyay	Sensor Letters	2017-2018	1546-1971	<a href="https://www.ingentaconnect.com/content/asp/senlet;jsessionid=3s9hhfkt8nifb.x-ic-live-02#">https://www.ingentaconnect.com/content/asp/senlet;jsessionid=3s9hhfkt8nifb.x-ic-live-02#</a>	<a href="https://doi.org/10.1166/sl.2017.3873">https://doi.org/10.1166/sl.2017.3873</a>
Study of dielectric properties of leukocytes for the determination of malignancy by capacitive type MEMS sensor	Madhurima Chattopadhyay, Debjyoti Chowdhury* and Sriparna Sahu	Microsystem Technologies	2017-2018	0946-7076	<a href="https://www.springer.com/journal/542">https://www.springer.com/journal/542</a>	<a href="https://link.springer.com/article/10.1007/s00542-017-3542-2">https://link.springer.com/article/10.1007/s00542-017-3542-2</a>
Feature Fusion for Prediction of Theaflavin and Thearubigin in Tea Using Electronic Tongue	P. Saha*, S. Ghorai, B. Tudu, R. Bandyopadhyay, N. Bhattacharyya	IEEE Transactions on Instrumentation and Measurement	2017-2018	1557-9662	<a href="https://ieeexplore.ieee.org/abstract/document/7880645">https://ieeexplore.ieee.org/abstract/document/7880645</a>	<a href="https://doi.org/10.1109/TIM.2017.2672458">https://doi.org/10.1109/TIM.2017.2672458</a>
An efficient power delivering scheme for sensorless drive of Brushless DC motor	Santanu Mondal, Arijit Majumder, Debjyoti Chowdhury and Madhurima Chattopadhyay*	Microsystem Technologies	2017-2018	0946-7076	<a href="https://www.springer.com/journal/542">https://www.springer.com/journal/542</a>	<a href="https://link.springer.com/article/10.1007/s00542-018-3715-7">https://link.springer.com/article/10.1007/s00542-018-3715-7</a>
Application of Near-Infrared Spectroscopy for the Detection of Metanil Yellow in Turmeric Powder.	Saumita Kar, Bipan Tudu, Anil K. Bag* & Rajib Bandyopadhyay	Food Analytical Methods	2017-2018	1936-9751	<a href="https://www.springer.com/journal/12161">https://www.springer.com/journal/12161</a>	<a href="https://doi.org/10.1007/s12161-017-1106-9">https://doi.org/10.1007/s12161-017-1106-9</a>
Association of common genetic polymorphisms with plasma lipid and coronary artery disease in West Bengal population	Bhattacharya, S., Roy Chowdhury, S., Ghoshal, P., Ganguly, K., Bhattacharya, N., Jana, N.K.*	Indian Journal of Biotechnology (IJBT)	2017-2018	0975-0967	<a href="http://nopr.niscair.res.in/handle/123456789/38">http://nopr.niscair.res.in/handle/123456789/38</a>	<a href="http://nopr.niscair.res.in/handle/123456789/44380">http://nopr.niscair.res.in/handle/123456789/44380</a>
Discovery of potential Zika virus RNA polymerase inhibitors by docking-based virtual screening	Singh, A., Nandan Kumar Jana*	Computational Biology and Chemistry	2017-2018	1476-9271	<a href="https://www.journals.elsevier.com/computational-biology-and-chemistry">https://www.journals.elsevier.com/computational-biology-and-chemistry</a>	<a href="https://dl.acm.org/doi/10.1016/j.compbiolchem.2017.10.007">https://dl.acm.org/doi/10.1016/j.compbiolchem.2017.10.007</a>
Ethanol production from deproteinized cheese whey powder in a batch fermentation process: optimization of process and kinetic modeling	Bipasha Das, Monami Das, Sangita Bhattacharjee*, Chiranjib Bhattacharjee	Desalination and Water Treatment	2017-2018	1944-3994	<a href="https://www.deswater.com/home.php">https://www.deswater.com/home.php</a>	<a href="http://www.deswater.com/DWT_articles/vol_64_papers/64_2017_198.pdf">http://www.deswater.com/DWT_articles/vol_64_papers/64_2017_198.pdf</a>
Optimization of extraction process of inulin from Indian millets (jowar, bajra and ragi) -Characterization and cost analysis	Debolina Banerjee, Ranjana Chowdhury and Pinaki Bhattacharya*	International Journal of Food Science and Technology	2017-2018	1365-2621	<a href="https://www.springer.com/journal/13197">https://www.springer.com/journal/13197</a>	<a href="https://pubmed.ncbi.nlm.nih.gov/29184236">https://pubmed.ncbi.nlm.nih.gov/29184236</a>

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In-vitro evaluation of targeted release of probiotic Lactobacillus casei (2651 1951 RPK) from synbiotic microcapsules in the Gastrointestinal (GI) system: Experiments and Modeling	Debolina Banerjee, Ranjana Chowdhury and Pinaki Bhattacharya*	LWT - Food Science and Technology	2017-2018	0023-6438	<a href="https://www.sciencedirect.com/journal/lwt">https://www.sciencedirect.com/journal/lwt</a>	<a href="https://www.sciencedirect.com/science/article/pii/S0023643817303274">https://www.sciencedirect.com/science/article/pii/S0023643817303274</a>
Enzymatic hydrolysis of banana stems (Musa acuminata): Optimization of process parameters and inhibition characterization	Dibyajyoti Haldar, Dwaipayan Sen*, Kalyan Gayen	International Journal of Green Energy	2017-2018	1543-5075	<a href="https://www.tandfonline.com/action/journalInformation?journalCode=ijge20">https://www.tandfonline.com/action/journalInformation?journalCode=ijge20</a>	<a href="https://doi.org/10.1080/15435075.2018.1467834">https://doi.org/10.1080/15435075.2018.1467834</a>
Removal of arsenic from contaminated water using micellar-enhanced-ultrafiltration	Sangita Bhattacharjee*, Trina Dutta and Chiranjib Bhattacharjee	Indian Journal of Environmental Protection	2017-2018	0253-7141	<a href="https://www.e-ijep.co.in/">https://www.e-ijep.co.in/</a>	<a href="https://www.researchgate.net/publication/343306389_Removal_of_arsenic_from_contaminated_water_using_micellar-enhanced-ultrafiltration">https://www.researchgate.net/publication/343306389_Removal_of_arsenic_from_contaminated_water_using_micellar-enhanced-ultrafiltration</a>
A review on single stage integrated dark-photo fermentative biohydrogen production: Insight into salient strategies and scopes	Shiladitya Ghosh, Ranjana Chowdhury and Pinaki Bhattacharya*	International Journal of Hydrogen Energy	2017-2018	0360-3199	<a href="https://www.journals.elsevier.com/international-journal-of-hydrogen-energy">https://www.journals.elsevier.com/international-journal-of-hydrogen-energy</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0360319917346530">https://www.sciencedirect.com/science/article/abs/pii/S0360319917346530</a>
Spectral characterization and theoretical interpretation of a new bis- $\mu$ -phenoxo-bridged heterodinuclear nickel(II)-sodium(I) complex	R. R. Choudhury*, C. R. Choudhury, J. A. Real, A. Frontera, S. Mitra	Journal of the Indian Chemical Society	2017-2018	0019-4522	<a href="https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society">https://www.sciencedirect.com/journal/journal-of-the-indian-chemical-society</a>	N.A.
Free Vibration of Initially Deflected Axially Functionally Graded Non-Uniform Timoshenko Beams on Elastic Foundation	Hareram Lohar, Anirban Mitra, Sarmila Sahoo*	Romanian Journal of Acoustics and Vibration	2017-2018	1584-7284	<a href="https://rjav.sra.ro/index.php/rjav/about">https://rjav.sra.ro/index.php/rjav/about</a>	<a href="https://rjav.sra.ro/index.php/rjav/article/view/19">https://rjav.sra.ro/index.php/rjav/article/view/19</a>
Distributed heuristic adaptive power control algorithms in femto cellular networks for improved performance	Anindita Kundu*, Subhashis Majumder, Iti Saha Misra, Salil K Sanyal	Transactions on Emerging Telecommunications Technologies	2017-2018	2161-3915	<a href="https://onlinelibrary.wiley.com/journal/21613915">https://onlinelibrary.wiley.com/journal/21613915</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.3280">https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.3280</a>
DenvInt: A database of protein-protein interactions between dengue virus and its hosts	Lopamudra Dey*, Anirban Mukhopadhyay	PLoS neglected tropical diseases	2017-2018	1935-2735	<a href="https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0005879">https://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0005879</a>	<a href="https://doi.org/10.1371/journal.pntd.0005879">https://doi.org/10.1371/journal.pntd.0005879</a>
On Finding the Maximum and Minimum Density Axes-parallel Regions in IR d	Nilanjana G Basu*, Subhashis Majumder, Wing Kai Hon	Fundamenta Informaticae	2017-2018	0169-2968	<a href="https://fi.episciences.org/">https://fi.episciences.org/</a>	<a href="http://dx.doi.org/10.3233/FI-2017-1509">http://dx.doi.org/10.3233/FI-2017-1509</a>
Fast detection of community structures using graph traversal in social networks	Partha Basuchowdhuri*, Satyaki Sikdar, Varsha Nagarajan, Khusbu Mishra, Surabhi Gupta, Subhashis Majumder	Knowledge and Information Systems	2017-2018	0219-1377	<a href="https://www.springer.com/journal/10115">https://www.springer.com/journal/10115</a>	<a href="https://link.springer.com/article/10.1007/s10115-018-1209-7">https://link.springer.com/article/10.1007/s10115-018-1209-7</a>

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A solid transportation model with product blending and parameters as rough variables	Pradip Kundu, Mohuya B. Kar*, Samarjit Kar, Tandra Pal, Manoranjan Maiti	Soft Computing	2017-2018	1433-7479	<a href="https://www.springer.com/journal/500">https://www.springer.com/journal/500</a>	<a href="https://doi.org/10.1007/s00500-015-1941-9">https://doi.org/10.1007/s00500-015-1941-9</a>
Modeling, analysis and verification of real-time resource access control protocols: a formal approach	Shouvik Dey, Rumpa Hazra*, Jayashree Singha	International Journal of Computers and Applications	2017-2018	1206-212X	<a href="https://www.tandfonline.com/toc/tica20/current">https://www.tandfonline.com/toc/tica20/current</a>	<a href="https://doi.org/10.1080/1206212X.2017.1367530">https://doi.org/10.1080/1206212X.2017.1367530</a>
A Linearity Based Comparison between Symmetric and Asymmetric Lateral Diffusion for a 22nm Underlapped DG-MOSFET	Ankush Chattopadhyay, Rahul Das, Arpan Dasgupta, Atanu Kundu*, C. K. Sarkar	Superlattices and Microstructures	2017-2018	0749-6036	<a href="https://www.journals.elsevier.com/superlattices-and-microstructures">https://www.journals.elsevier.com/superlattices-and-microstructures</a>	<a href="https://doi.org/10.1016/j.spmi.2017.03.056">https://doi.org/10.1016/j.spmi.2017.03.056</a>
Optimization of Small-Signal Model of GaN HEMT by Using Evolutionary Algorithms	Arijit Majumder, Soumyo Chatterjee*, Sayan Chatterjee, Sheli Sinha Chaudhari, Dipak Ranjan Poddar	IEEE Microwave and Wireless Components Letters	2017-2018	1531-1309	<a href="https://mtt.org/publications/microwave-and-wireless-components-letters">https://mtt.org/publications/microwave-and-wireless-components-letters</a>	<a href="https://ieeexplore.ieee.org/abstract/document/7885006">https://ieeexplore.ieee.org/abstract/document/7885006</a>
Analytical modeling and performance study of GaAsNSb based single junction solar cell lattice matched to GaAs substrate for use in tandem solar cells	Debamita Roy*, Dip Prakash Samajdar	Solar Energy	2017-2018	0038-092X	<a href="https://www.journals.elsevier.com/solar-energy">https://www.journals.elsevier.com/solar-energy</a>	<a href="https://doi.org/10.1016/j.solener.2017.10.003">https://doi.org/10.1016/j.solener.2017.10.003</a>
Analysis of Arbitrarily Curved Microstrip Lines for Radiated Emission	Kaushik Patra, Sayantan Dhar* and Bhaskar Gupta	IEEE Transactions on Electromagnetic Compatibility	2017-2018	1558-187X	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=15">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=15</a>	<a href="https://ieeexplore.ieee.org/document/8015157/authors#authors">https://ieeexplore.ieee.org/document/8015157/authors#authors</a>
Design Guidelines for Single and Dual Wide Band Leaky Periodic Microstrip Line Antennas	Kaushik Patra, Sayantan Dhar* and Bhaskar Gupta	International Journal of RF and Microwave Computer-Aided Engineering	2017-2018	1099-047X	<a href="https://onlinelibrary.wiley.com/journal/1099047x">https://onlinelibrary.wiley.com/journal/1099047x</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/mmce.21288">https://onlinelibrary.wiley.com/doi/abs/10.1002/mmce.21288</a>
Efficient player selection strategy based diversified particle swarm optimization algorithm for global optimization	Prativa Agarwalla*, Sumitra Mukhopadhyay	Information Sciences	2017-2018	0020-0255	<a href="https://www.journals.elsevier.com/information-sciences">https://www.journals.elsevier.com/information-sciences</a>	<a href="http://dx.doi.org/10.1016/j.ins.2017.02.027">http://dx.doi.org/10.1016/j.ins.2017.02.027</a>
Bi-stage hierarchical selection of pathway genes for cancer progression using a swarm based computational approach	Prativa Agarwalla*, Sumitra Mukhopadhyay	Applied Soft Computing	2017-2018	1568-4946	<a href="https://www.journals.elsevier.com/applied-soft-computing">https://www.journals.elsevier.com/applied-soft-computing</a>	<a href="https://doi.org/10.1016/j.asoc.2017.10.024">https://doi.org/10.1016/j.asoc.2017.10.024</a>
Reconfigurable dielectric resonator antenna with multiple polarisation states	Sayantan Dhar*, Kaushik Patra, Rowdra Ghatak, Bhaskar Gupta and Dipak Ranjan Poddar	IET Microwaves, Antennas & Propagation	2017-2018	1751-8733	<a href="https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-map.2017.0864">https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-map.2017.0864</a>	<a href="https://doi.org/10.1049/iet-map.2017.0864">https://doi.org/10.1049/iet-map.2017.0864</a>
Device and Circuit Analysis of a sub 20nm Double Gate MOSFET with Gate Stack using a Look Up Table based Approach	Shramana Chakraborty, Arpan Dasgupta, Rahul Das, Mousiki Kar, Atanu Kundu*, C. K. Sarkar	Journal of Semiconductors	2017-2018	1674-4926	<a href="https://iopscience.iop.org/journal/1674-4926">https://iopscience.iop.org/journal/1674-4926</a>	<a href="https://iopscience.iop.org/article/10.1088/1674-4926/38/12/124001">https://iopscience.iop.org/article/10.1088/1674-4926/38/12/124001</a>

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Edge Element Controlled Null Steering in Beam-Steered Planar Array	Soumyo Chatterjee, Sayan Chatterjee, Arijit Majumdar	IEEE Antennas and Wireless Propagation Letters	2017-2018	1536-1225	<a href="http://awpl.eleceng.adelaide.edu.au/">http://awpl.eleceng.adelaide.edu.au/</a>	<a href="https://ieeexplore.ieee.org/abstract/document/7986960">https://ieeexplore.ieee.org/abstract/document/7986960</a>
Refractive index profilometry using the total internally reflected light field	Tania Das*, K Bhattacharya	Applied Optics	2017-2018	2155-3165	<a href="https://www.osapublishing.org/ao/abstract.cfm?uri=ao-56-33-9241">https://www.osapublishing.org/ao/abstract.cfm?uri=ao-56-33-9241</a>	<a href="https://doi.org/10.1364/AO.56.009241">https://doi.org/10.1364/AO.56.009241</a>
A Utility Driven Post Disaster Emergency Resource Allocation System using DTN	Souvik Basu*, Siuli Roy, Somprakash Bandyopadhyay, Sipra DasBit	IEEE Transactions on Systems, Man and Cybernetics: Systems	2017-2018	2168-2232	<a href="https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6221021">https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=6221021</a>	<a href="https://ieeexplore.ieee.org/document/8323418">https://ieeexplore.ieee.org/document/8323418</a>
Wise-PROPHET: A Watchdog supervised PROPHET for reliable dissemination of post disaster situational information over smartphone based DTN	Souvik Basu, Ayanesh Biswas, Siuli Roy*, Sipra DasBit	Journal of Network and Computer Applications	2017-2018	1084-8045	<a href="https://www.sciencedirect.com/journal/journal-of-network-and-computer-applications">https://www.sciencedirect.com/journal/journal-of-network-and-computer-applications</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1084804518300572">https://www.sciencedirect.com/science/article/abs/pii/S1084804518300572</a>
DPDRM: A decentralized post-disaster resource management scheme using energy efficient smart phone based DTN	Suman Bhattacharjee, Siuli Roy*, Sipra DasBit	Journal of Network and Computer Applications	2017-2018	1084-8045	<a href="https://www.journals.elsevier.com/journal-of-network-and-computer-applications">https://www.journals.elsevier.com/journal-of-network-and-computer-applications</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1084804518300882">https://www.sciencedirect.com/science/article/abs/pii/S1084804518300882</a>
Absolute non-violation of a three-setting steering inequality by two-qubit states	Bhattacharya, S, S, Roy, A, Mukherjee, A, Paul, B, Mukherjee, K, Chakrabarty, I, Jebaratnam, C and Ganguly, N*	Quantum Information Processing	2017-2018	1573-1332	<a href="https://www.springer.com/journal/11128/">https://www.springer.com/journal/11128/</a>	<a href="https://link.springer.com/article/10.1007/s11128-017-1734-4">https://link.springer.com/article/10.1007/s11128-017-1734-4</a>
A three-layer supply chain inventory model for non-instantaneous deteriorating item with inflation and delay in payments in random fuzzy environment	Dipankar Chakraborty*, Totan Garai, Dipak Kumar Jana, Tapan Kumar Roy	Journal of Industrial and Production Engineering	2017-2018	2168-1015	<a href="https://www.tandfonline.com/toc/tjci21/current">https://www.tandfonline.com/toc/tjci21/current</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/21681015.2017.1361229">https://www.tandfonline.com/doi/abs/10.1080/21681015.2017.1361229</a>
On Quasi Completely Inverse Semirings	Maity, S. K., Ghosh, R.*, Chatterjee, R	Southeast Asian Bulletin of Mathematics	2017-2018	0219-175X	<a href="http://www.seams-bull-math.ynu.edu.cn/">http://www.seams-bull-math.ynu.edu.cn/</a>	<a href="https://www.google.com/url?sa=t&amp;rct=j&amp;q=&amp;esrc=s&amp;source=web&amp;cd=&amp;ved=2ahUKEwjU8662x_jvAhVMfSsKHZEJAv0QFjAAegQIAxAD&amp;url=http%3A%2F%2Fwww.seams-bull-math.ynu.edu.cn%2Fdownloadfile.jsp%3Ffilemenu%3D_201706%2Ffilename%3D10_41(6).pdf&amp;usg=AOvVaw3rLOo1IZPU1vW7ZYnx6oL">https://www.google.com/url?sa=t&amp;rct=j&amp;q=&amp;esrc=s&amp;source=web&amp;cd=&amp;ved=2ahUKEwjU8662x_jvAhVMfSsKHZEJAv0QFjAAegQIAxAD&amp;url=http%3A%2F%2Fwww.seams-bull-math.ynu.edu.cn%2Fdownloadfile.jsp%3Ffilemenu%3D_201706%2Ffilename%3D10_41(6).pdf&amp;usg=AOvVaw3rLOo1IZPU1vW7ZYnx6oL</a>



3.4.3 Number of research papers per teacher in the Journals notified on UGC website during the last five years (5)

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	
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Non-negativity of conditional von Neumann entropy and global unitary operations	Patro, S, Chakrabarty, I and Ganguly, Nirman*	Physical Review A	2017-2018	2469-9934	<a href="https://journals.aps.org/pr">https://journals.aps.org/pr</a>	<a href="https://journals.aps.org/pr/abstract/10.1103/PhysRevA.96.062102">https://journals.aps.org/pr/abstract/10.1103/PhysRevA.96.062102</a>
Characterization of nonlocal resources under global unitary action	Roy, Arup and Bhattacharya, S.S and Mukherjee, A and Ganguly N*	Quantum Studies:Mathematics and Foundations	2017-2018	2196-5617	<a href="https://www.springer.com/journal/40509">https://www.springer.com/journal/40509</a>	<a href="https://link.springer.com/article/10.1007/s40509-017-0122-1">https://link.springer.com/article/10.1007/s40509-017-0122-1</a>
Stability analysis and optimal control of avian influenza virus A with time delays	Swarnali Sharma*, A. Mondal, A. K. Pal, G.P. Samanta	International Journal of Dynamics and Control	2017-2018	2195-2698	<a href="https://www.springer.com/journal/40435">https://www.springer.com/journal/40435</a>	<a href="https://link.springer.com/article/10.1007/s40435-017-0379-6">https://link.springer.com/article/10.1007/s40435-017-0379-6</a>
Possibility–necessity–credibility measures on generalized intuitionistic fuzzy number and their applications to multi-product manufacturing system	Totan Garai, Dipankar Chakraborty*, Tapan Kumar Roy	Granular Computing	2017-2018	2364-4966	<a href="https://www.springer.com/journal/41066">https://www.springer.com/journal/41066</a>	<a href="https://link.springer.com/article/10.1007/s41066-017-0067-0">https://link.springer.com/article/10.1007/s41066-017-0067-0</a>
Strong lensing of a regular black hole with an electrodynamic source	Tuhina Manna, Farook Rahaman, Sabiruddin Molla, Jhumpa Bhadra*, Hasrat Hussain Shah	General Relativity and Gravitation	2017-2018	0001-7701	<a href="https://www.springer.com/journal/10714">https://www.springer.com/journal/10714</a>	<a href="https://link.springer.com/article/10.1007/s10714-018-2375-3">https://link.springer.com/article/10.1007/s10714-018-2375-3</a>
Friction and Wear Performance of Electroless Ni-B Coatings at Different Operating Temperatures	Mukhopadhyay, A*, Barman, T. K. & Sahoo, P.,	Silicon, vol. 11	2017-2018	1876-990X	<a href="https://www.springer.com/journal/12633">https://www.springer.com/journal/12633</a>	<a href="https://link.springer.com/article/10.1007/s12633-017-9678-y">https://link.springer.com/article/10.1007/s12633-017-9678-y</a>
Wear and friction characteristics of electroless Ni-B-W coatings at different operating temperatures	Mukhopadhyay, Arkadeb* ; Barman, Tapan Kumar ; Sahoo, Prasanta	Materials Research Express	2017-2018	2053-1591	<a href="https://iopscience.iop.org/journal/2053-1591">https://iopscience.iop.org/journal/2053-1591</a>	<a href="https://doi.org/10.1088/2053-1591/aae5a">https://doi.org/10.1088/2053-1591/aae5a</a>
Images and spectra of time-dependent two-component advective flow in presence of outflows	Arka Chatterjee, Sandip K Chakrabarti, Himadri Ghosh*, Sudip K Garain	Monthly Notices of the Royal Astronomical Society	2017-2018	0035-8711	<a href="https://www.oup.com/mnras/">Volume 478 Issue 3   Monthly Notices of the Royal Astronomical Society   Oxford Academic (oup.com)</a>	<a href="https://doi.org/10.1093/mnras/sty1054">https://doi.org/10.1093/mnras/sty1054</a>
Temporal evolution of photon energy emitted from two-component advective flows: origin of time lag	Arka Chatterjee, Sandip K. Chakrabarti, Himadri Ghosh*	Monthly Notices of the Royal Astronomical Society	2017-2018	0035-8711	<a href="https://www.oup.com/mnras/">Monthly Notices of the Royal Astronomical Society   Oxford Academic (oup.com)</a>	<a href="https://doi.org/10.1093/mnras/stx1916">https://doi.org/10.1093/mnras/stx1916</a>
Design and performance analysis of MEMS capacitive pressure sensor array for measurement of heart rate	Madhurima Chattopadhyay and Debjyoti Chowdhury*	Microsystem Technologies	2016-2017	0946-7076	<a href="https://www.springer.com/journal/542">https://www.springer.com/journal/542</a>	<a href="https://link.springer.com/article/10.1007/s00542-016-2842-2">https://link.springer.com/article/10.1007/s00542-016-2842-2</a>
Development and Characterization of Carbonic Anhydrase-Based CO2 Biosensor for Primary Diagnosis of Respiratory Health	S Bagch*, S Sengupta, S Mondal	IEEE Sensors Journal	2016-2017	1530-437X	<a href="https://ieeexplore.ieee.org/document/7809065">https://ieeexplore.ieee.org/document/7809065</a>	<a href="https://ieeexplore.ieee.org/document/7809065">https://ieeexplore.ieee.org/document/7809065</a>
Development and characterization of a wireless mouse-based spirometer	S Bagchi*, S Sengupta, S Mondal	IEEE Sensors Journal	2016-2017	1672-4974	<a href="https://ieeexplore.ieee.org/document/7843582">https://ieeexplore.ieee.org/document/7843582</a>	<a href="https://ieeexplore.ieee.org/abstract/document/7843582">https://ieeexplore.ieee.org/abstract/document/7843582</a>

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Biometric analysis using fused feature set from side face texture and electrocardiogram	Samik Chakraborty*, Madhuchhanda Mitra, Saurabh Pal	IET Science, Measurement & Technology	2016-2017	1751-8822	<a href="https://digital-library.theiet.org/content/journals/iet-smt;jsessionid=nkgbba1219b3.x-iet-live-01">https://digital-library.theiet.org/content/journals/iet-smt;jsessionid=nkgbba1219b3.x-iet-live-01</a>	<a href="https://digital-library.theiet.org/content/journals/10.1049/iet-smt.2015.0308">https://digital-library.theiet.org/content/journals/10.1049/iet-smt.2015.0308</a>
Preventive role of Curcumin against hepatotoxic effects of Methotrexate and Cyclophosphamide	Ruptanu Banerjee, Mrinmoy Dey, Sourav Maity, Sumana Bagchi, Ayushi Vora, Uzma Shakil, Riddhi Goswami*	Journal of Chemical and Pharmaceutical Sciences	2016-2017	0974-2115	<a href="https://www.jchps.com/home.php">https://www.jchps.com/home.php</a>	<a href="https://www.jchps.com/special_issues.php?issueid=16&amp;year=2016">https://www.jchps.com/special_issues.php?issueid=16&amp;year=2016</a>
Removal of Hexavalent Chromium from Aqueous Solutions by Low-Cost Rice-Husk Based Activated Carbon	Aditi Mullick, Siddhartha Moulik and Sangita Bhattacharjee*	Indian Chemical Engineer	2016-2017	0019-4506	<a href="https://www.tandfonline.com/toc/tice20/current">https://www.tandfonline.com/toc/tice20/current</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/00194506.2017.1288173?journalCode=tice20">https://www.tandfonline.com/doi/abs/10.1080/00194506.2017.1288173?journalCode=tice20</a>
Sustainability of the probiotic Lactobacillus casei in fortified Indian milk cakes under different preservation conditions-effects of co-immobilization of L. Casei and commercial prebiotic inulin (chicory based) and millet inulin	Debolina Banerjee, Puja Bag, Ranjana Chowdhury, Pinaki Bhattacharya*	International Journal of Pharmacy and Pharmaceutical Sciences	2016-2017	0975-1491	<a href="https://innovareacademics.in/journals/index.php/ijpps">https://innovareacademics.in/journals/index.php/ijpps</a>	<a href="https://innovareacademics.in/journals/index.php/ijpps/article/view/15305">https://innovareacademics.in/journals/index.php/ijpps/article/view/15305</a>
Development of spectrophotometric method for the analysis of multi-component carbohydrate mixture of different moiety	Dibyajyoti Haldar, Dwaipayan Sen*, Kalyan Gayen	Applied Biochemistry and Biotechnology	2016-2017	0273-2289	<a href="https://www.springer.com/journal/12010">https://www.springer.com/journal/12010</a>	<a href="https://link.springer.com/article/10.1007/s12010-016-2293-3">https://link.springer.com/article/10.1007/s12010-016-2293-3</a>
Sustainability of Cereal Straws for the Fermentative Production of Second Generation Biofuels: A Review of the Efficiency and Economics of Biochemical Pretreatment Processes	Shiladitya Ghosh, Ranjana Chowdhury and Pinaki Bhattacharya*	Applied Energy	2016-2017	0306-2619	<a href="https://www.journals.elsevier.com/applied-energy">https://www.journals.elsevier.com/applied-energy</a>	<a href="https://www.sciencedirect.com/science/article/pii/S0306261916318621">https://www.sciencedirect.com/science/article/pii/S0306261916318621</a>
Hydrogen from food processing wastes via photofermentation using Purple Non-sulfur Bacteria (PNSB) — A Review, Energy Conservation and Management	Shiladitya Ghosh, Ranjana Chowdhury and Pinaki Bhattacharya*	Energy Conversion and Management	2016-2017	0196-8904	<a href="https://www.journals.elsevier.com/energy-conversion-and-management">https://www.journals.elsevier.com/energy-conversion-and-management</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0196890416307798">https://www.sciencedirect.com/science/article/abs/pii/S0196890416307798</a>
Numerical Analysis of Nonisothermal Viscous Jet with Peripheral Heat Transfer	Sulagna Chatterjee*, Trisha Sen and Anindya Mitra	International Journal of Modeling Simulation and Scientific Computing	2016-2017	1793-9615	<a href="https://www.worldscientific.com/worldscinet/ijmssc">https://www.worldscientific.com/worldscinet/ijmssc</a>	<a href="https://www.worldscientific.com/worldscinet/ijmssc">https://www.worldscientific.com/worldscinet/ijmssc</a>
Bioremediation of Methylene Blue dye using Bacillus subtilis MTCC 441	Susmita Dutta and Pinaki Bhattacharya*	Water Science and Technology	2016-2017	0273-1223	<a href="https://www.sciencedirect.com/journal/water-science-and-technology">https://www.sciencedirect.com/journal/water-science-and-technology</a>	<a href="https://europepmc.org/article/med/28402298">https://europepmc.org/article/med/28402298</a>

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Emergence of the Selective Ultra-sensing of Ag(I): Thiolactic Acid as Efficient Capping Agent for Cadmium Chalcogenide QDs in Modulating Photoluminescence & Metal reception	N. Mahapatra, A. Mandal*, S. Panja, M. Halder	Sensor & Actuator B:Chem	2016-2017	0925-4005	<a href="https://www.journals.elsevier.com/sensors-and-actuators-b-chemical">https://www.journals.elsevier.com/sensors-and-actuators-b-chemical</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0925400516313600">https://www.sciencedirect.com/science/article/abs/pii/S0925400516313600</a>
Geometric nonlinear free vibration of axially functionally graded non-uniform beams supported on elastic foundation	Hareram Lohar, Anirban Mitra and Sarmila Sahoo*	Curved and Layered Structures	2016-2017	2353-7396	<a href="https://www.degruyter.com/journal/key/CLS/html">https://www.degruyter.com/journal/key/CLS/html</a>	<a href="https://www.degruyter.com/document/doi/10.1515/cls-2016-0018/html">https://www.degruyter.com/document/doi/10.1515/cls-2016-0018/html</a>
Reliability analysis of excavation Induced basal heave.	Subha Sankar Chowdhury	Geotechnical and Geological Engineering: An International Journal	2016-2017	0960-3182	<a href="https://www.springer.com/journal/10706">https://www.springer.com/journal/10706</a>	<a href="https://link.springer.com/article/10.1007/s10706-017-0272-2">https://link.springer.com/article/10.1007/s10706-017-0272-2</a>
A study on lateral earth pressure against strutted retaining wall in cohesionless soil deposit.	Subha Sankar Chowdhury	International Journal of Geotechnical Engineering	2016-2017	1938-6362	<a href="https://www.tandfonline.com/toc/yige20/current">https://www.tandfonline.com/toc/yige20/current</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/19386362.2017.1326683?journalCode=yige20">https://www.tandfonline.com/doi/abs/10.1080/19386362.2017.1326683?journalCode=yige20</a>
Estimation of design parameters for braced excavation in clay.	Subha Sankar Chowdhury*, Kousik Deb & Aniruddha Sengupta	Geotechnical and Geological Engineering: An International Journal	2016-2017	0960-3182	<a href="https://www.springer.com/journal/10706">https://www.springer.com/journal/10706</a>	<a href="https://link.springer.com/article/10.1007/s10706-016-0123-6">https://link.springer.com/article/10.1007/s10706-016-0123-6</a>
Joint location and power optimisation of femto base stations to improve indoor coverage: a geometric approach	A Kundu*, SK Sanyal, IS Misra	Transactions on Emerging Telecommunications Technologies	2016-2017	2161-3915	<a href="https://onlinelibrary.wiley.com/journal/21613915">https://onlinelibrary.wiley.com/journal/21613915</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.3081">https://onlinelibrary.wiley.com/doi/abs/10.1002/ett.3081</a>
Multiple parallel assay operations with cross contamination avoidance in a given biochip	Deabasis Dhal, Piyali Datta*, Arpan Chakraborty, Gautam Saha, and Rajat Kumar Pal	IET Computers & Digital Techniques	2016-2017	1751-8601	<a href="https://ietresearch.onlinelibrary.wiley.com/journal/1751861x">https://ietresearch.onlinelibrary.wiley.com/journal/1751861x</a>	<a href="https://digital-library.theiet.org/content/journals/10.1049/iet-cdt.2015.0166">https://digital-library.theiet.org/content/journals/10.1049/iet-cdt.2015.0166</a>
Cross-entropy based multi-objective uncertain portfolio selection problem	Mohuya B. Kar* and Saibal Majumder and Samarjit Kar and Tandra Pal	J. Intell. Fuzzy Syst.	2016-2017	1875-8967	<a href="https://www.iospress.nl/journal/journal-of-intelligent-fuzzy-systems/">https://www.iospress.nl/journal/journal-of-intelligent-fuzzy-systems/</a>	<a href="https://doi.org/10.3233/JIFS-169212">https://doi.org/10.3233/JIFS-169212</a>
Simulation-based Method for Optimum Microfluidic Sample Dilution using Weighted Mix-Split of Droplets	Nilina Bera*, Subhashis Majumder, and Bhargab B. Bhattacharya	IET Computers and Digital Techniques	2016-2017	1751-8601	<a href="https://digital-library.theiet.org/">https://digital-library.theiet.org/</a>	<a href="https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/iet-cdt.2015.0091">https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/iet-cdt.2015.0091</a>
The Habits of Highly Effective Researchers: An Empirical Study	Subhajit Datta, Partha Basuchowdhuri*, Surajit Acharya, Subhashis Majumder	IEEE Transactions on Big Data	2016-2017	2332-7790	<a href="https://ieeexplore.ieee.org/abstract/document/7572017">https://ieeexplore.ieee.org/abstract/document/7572017</a>	<a href="https://ieeexplore.ieee.org/abstract/document/7572017">https://ieeexplore.ieee.org/abstract/document/7572017</a>
A novel gene ranking method using Wilcoxon rank sum test and genetic algorithm	Sujay Saha*, Dibyendu Bikash Seal, Anupam Ghosh, Kashi Nath Dey	Int. J. Bioinformatics Research and Applications	2016-2017	1744-5493	<a href="https://www.inderscienceonline.com/loi/ijbra">https://www.inderscienceonline.com/loi/ijbra</a>	<a href="https://doi.org/10.1504/IJBRA.2016.078236">https://doi.org/10.1504/IJBRA.2016.078236</a>
An Improved Fuzzy Based Missing Value Estimation in DNA Microarray Validated by Gene Ranking	Sujay Saha*, Anupam Ghosh, Dibyendu Bikash Seal, Kashi Nath Dey	Advances in Fuzzy Systems	2016-2017	1687-7101	<a href="https://www.hindawi.com/journal/afs/">https://www.hindawi.com/journal/afs/</a>	<a href="https://www.hindawi.com/journal/afs/2016/6134736/">https://www.hindawi.com/journal/afs/2016/6134736/</a>

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Cross-wavelet aided ECG beat classification using LIBSVM	Dhar, P., Dutta, S.*, Das, P., Mukherjee, V.	Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization	2016-2017	2168-1163	<a href="https://www.tandfonline.com/toc/tciv20/current">https://www.tandfonline.com/toc/tciv20/current</a>	<a href="https://www.tandfonline.com/doi/abs/10.1080/21681163.2016.1251339">https://www.tandfonline.com/doi/abs/10.1080/21681163.2016.1251339</a>
Effect of Spacer Dielectric Engineering on Asymmetric Source Underlapped Double Gate MOSFET using Gate Stack	Ankush Chattopadhyay, Arpan Dasgupta, Rahul Das, Atanu Kundu*, C. K. Sarkar,	Superlattices and Microstructures	2016-2017	0749-6036	<a href="https://www.journals.elsevier.com/superlattices-and-microstructures">https://www.journals.elsevier.com/superlattices-and-microstructures</a>	<a href="https://doi.org/10.1016/j.spmi.2016.11.024">https://doi.org/10.1016/j.spmi.2016.11.024</a>
Comparisons between Dual And Tri Material Gate on a 32 nm Double Gate MOSFET	Arpan Dasgupta, Rahul Das, Shramana Chakraborty, Arka Dutta, Atanu Kundu*, Chandan K Sarkar	NANO Brief Reports and Reviews	2016-2017	1793-7094	<a href="https://www.worldscientific.com/worldscinet/nano">https://www.worldscientific.com/worldscinet/nano</a>	<a href="https://doi.org/10.1142/S1793292016501174">https://doi.org/10.1142/S1793292016501174</a>
Impact of Lateral Straggle on the Analog/RF Performance of Asymmetric Gate Stack Double Gate MOSFET	Gollamudi Sai Sivaram, Shramana Chakraborty, Rahul Das, Arpan Dasgupta, Atanu Kundu*, Chandan K. Sarkar	Superlattices and Microstructures	2016-2017	0749-6036	<a href="https://www.journals.elsevier.com/superlattices-and-microstructures">https://www.journals.elsevier.com/superlattices-and-microstructures</a>	<a href="https://doi.org/10.1016/j.spmi.2016.07.009">https://doi.org/10.1016/j.spmi.2016.07.009</a>
Analytical Modeling of Label Free Biosensor Using Charge Plasma Based Gate Underlap Dielectric Modulated MOSFET	Manash Chanda, Rahul Das, Atanu Kundu*, C. K. Sarkar	Superlattices and Microstructures	2016-2017	0749-6036	<a href="https://www.journals.elsevier.com/superlattices-and-microstructures">https://www.journals.elsevier.com/superlattices-and-microstructures</a>	<a href="https://doi.org/10.1016/j.spmi.2017.03.010">https://doi.org/10.1016/j.spmi.2017.03.010</a>
Analysis of High-k Spacer on Symmetric Underlap DG-MOSFET with Gate Stack Architecture	Rahul Das, Shramana Chakraborty, ArpanDasgupta, Arka Dutta, Atanu Kundu*, Chandan K. Sarkar	Superlattices and Microstructures	2016-2017	0749-6036	<a href="https://www.journals.elsevier.com/superlattices-and-microstructures">https://www.journals.elsevier.com/superlattices-and-microstructures</a>	<a href="https://doi.org/10.1016/j.spmi.2016.07.003">https://doi.org/10.1016/j.spmi.2016.07.003</a>
Optimized Flexible Power Selection for Opportunistic Underlay Cognitive Radio Networks	Sabyasachi Chatterjee, Prabir Banerjee*, Mita Nasipuri	Wireless Personal Communications	2016-2017	0929-6212	<a href="https://www.springer.com/journal/11277">https://www.springer.com/journal/11277</a>	<a href="https://link.springer.com/article/10.1007/s11277-017-4231-2">https://link.springer.com/article/10.1007/s11277-017-4231-2</a>
Impact of asymmetric dual-k spacer in the underlap regions of sub 20 nm NMOSFET with Gate Stack	Shramana Chakraborty, Arpan Dasgupta, Rahul Das, Atanu Kundu*, Chandan K. Sarkar	Superlattices and Microstructures	2016-2017	0749-6036	<a href="https://www.journals.elsevier.com/superlattices-and-microstructures">https://www.journals.elsevier.com/superlattices-and-microstructures</a>	<a href="https://doi.org/10.1016/j.spmi.2016.09.008">https://doi.org/10.1016/j.spmi.2016.09.008</a>
Polarizing phase shifting interferometry of total internal reflection light for measurement of refractive index and its spatial variation in liquid samples	Tania Das*, Kallol Bhattacharya	Optical Engineering	2016-2017	1560-2303	<a href="https://www.spiedigitallibrary.org/journals/optical-engineering?SSO=1">https://www.spiedigitallibrary.org/journals/optical-engineering?SSO=1</a>	<a href="https://doi.org/10.1117/1.OE.55.7.077102">https://doi.org/10.1117/1.OE.55.7.077102</a>
Transformation parameter estimation using parallel output based neural network	Joydev Hazra*, Aditi Roy Chowdhury	Applied Soft Computing	2016-2017	1568-4946	<a href="https://www.journals.elsevier.com/applied-soft-computing">https://www.journals.elsevier.com/applied-soft-computing</a>	<a href="https://doi.org/10.1016/j.asoc.2015.11.029">https://doi.org/10.1016/j.asoc.2015.11.029</a>
Dynamical behaviour of age-selective harvesting of a prey-predator system	Swarnali Sharma*, G. P. Samanta	International Journal of Dynamics and Control	2016-2017	2195-268X	<a href="https://www.springer.com/journal/40435">https://www.springer.com/journal/40435</a>	<a href="https://doi.org/10.1007/s40435-017-0337-3">https://doi.org/10.1007/s40435-017-0337-3</a>

3.4.3 Number of research papers per teacher in the Journals notified on UGC website during the last five years (5)

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	
					Link to website of the Journal	Link to article/paper/abstract of the article
Bifurcation and Stability of Prey-Predator Model with Beddington-DeAngelis Functional Response	Moulipriya Sarkar*, Tapasi Das, R.N.Mukherjee	Applications and Applied Mathematics: An International Journal (AAM)	2016-2017	1932-9466	<a href="http://pvamu.edu/aam">http://pvamu.edu/aam</a>	<a href="https://www.pvamu.edu/aam/wp-content/uploads/sites/182/2017/06/23_R964_AAM_Sarkar_SK_110216_Posted_061217_pp_350_366.pdf">https://www.pvamu.edu/aam/wp-content/uploads/sites/182/2017/06/23_R964_AAM_Sarkar_SK_110216_Posted_061217_pp_350_366.pdf</a>
On the explosive instability in a three-species food chain model with modified Holling type IV functional response	Rana D. Parshad, Ranjit Kumar Upadhyay, Swati Mishra, Satish Kumar Tiwari, Swarnali Sharma*	Mathematical Methods in the Applied Sciences	2016-2017	1099-1476	<a href="https://onlinelibrary.wiley.com/journal/10991476">https://onlinelibrary.wiley.com/journal/10991476</a>	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/mma.4419">https://onlinelibrary.wiley.com/doi/abs/10.1002/mma.4419</a>
Some Remarks on Duality and Optimality of a Class of Constrained Convex Quadratic Minimization Problems	Sudipta Roy, Sandip Chatterjee*, R. N. Mukherjee	Yugoslav Journal of Operations Research	2016-2017	0354-0243	<a href="http://yujor.fon.bg.ac.rs/index.php/yujor">http://yujor.fon.bg.ac.rs/index.php/yujor</a>	<a href="http://yujor.fon.bg.ac.rs/index.php/yujor/article/view/148">http://yujor.fon.bg.ac.rs/index.php/yujor/article/view/148</a>
Numerical Simulation of Transient Development of Flame, Temperature and Velocity under Reduced Gravity in a Methane Air Diffusion Flame	Arup Jyoti Bhowal*, Bijan Kumar Mandal	Microgravity Science and Technology	2016-2017	0938-0108	<a href="https://www.springer.com/journal/12217">https://www.springer.com/journal/12217</a>	<a href="https://link.springer.com/article/10.1007/s12217-016-9535-4">https://link.springer.com/article/10.1007/s12217-016-9535-4</a>
Thermodynamic formulation of the barrier for heterogeneous pinned nucleation: Implication to the crossover scenarios associated with barrierless and homogeneous nucleation	Singha, S. K.*, Das, P. K. & Maiti, B	Journal of Chemical Physics	2016-2017	0021-9606	<a href="https://aip.scitation.org/doi/10.1063/1.4985631">https://aip.scitation.org/doi/10.1063/1.4985631</a>	<a href="https://aip.scitation.org/doi/10.1063/1.4985631">https://aip.scitation.org/doi/10.1063/1.4985631</a>
Images and spectral properties of two-component advective flows around black holes: effects of photon bending	Arka Chatterjee, Sandip K. Chakrabarti, Himadri Ghosh*	Monthly Notices of the Royal Astronomical Society	2016-2017	0035-8711	<a href="https://doi.org/10.1093/mnras/stw2975">Volume 465 Issue 4   Monthly Notices of the Royal Astronomical Society   Oxford Academic (oup.com)</a>	<a href="https://doi.org/10.1093/mnras/stw2975">https://doi.org/10.1093/mnras/stw2975</a>
Shape coexistence in $^{153}\text{Ho}$	Dibyadyuti Pramanik, S. Sarkar, M. Saha Sarkar, Abhijit Bisoi, Sudatta Ray, Shinjinee Dasgupta,* A. Chakraborty, Krishichayan, Ritesh Kshetri, Indrani Ray, S. Ganguly, M. K.Pradhan, M. Ray Basu, R. Raut, G. Ganguly, S. S. Ghugre, A. K. Sinha, S. K. Basu, S. Bhattacharya, A. Mukherjee, P. Banerjee, and A. Goswami	Physical Review C 94, 024311 (2016)	2016-2017	2469-9985	<a href="https://journals.aps.org/prc/">https://journals.aps.org/prc/</a>	<a href="https://journals.aps.org/prc/abstract/10.1103/PhysRevC.94.024311">https://journals.aps.org/prc/abstract/10.1103/PhysRevC.94.024311</a>



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Deformed band structures at high spin in 200Tl	Soumik Bhattacharya, S. Bhattacharyya, S. Das Gupta*, H. Pai, G. Mukherjee, R. Palit, F. R. Xu, Q. Wu, A. Shrivastava, Md. A. Asgar, R. Banik, T. Bhattacharjee, S. Chanda, A. Chatterjee, A. Goswami, V. Nana, S. K. Pandit, S. Saha, J. Sethi, T. Roy, and S. Thakur	Physical Review C 95, 014301 (2017)	2016-2017	2469-9985	<a href="https://journals.aps.org/prc/">https://journals.aps.org/prc/</a>	<a href="https://journals.aps.org/prc/abstract/10.1103/PhysRevC.95.014301">https://journals.aps.org/prc/abstract/10.1103/PhysRevC.95.014301</a>