



PUBLICATIONS (2022-Jauuary 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

Date: 27/03/2023

Sl.	Department	Authors	Title	Journal/Book/Conf	Year	Publisher	ISBN/ISSN	DOI
1	BBA	Indranil Sarker and Bidisha Datta	Re-designing the pension business processes for achieving technology-driven reforms through blockchain adoption: A proposed architecture.	Technological Forecasting & Social Change	2022	Elsevier	0040-1625	10.1016/j.techfore.2021.12.1059
2	Bengali	Chandramalli Sengupta	Ekaler kolome Puraner dui nari	Ebong Amra 8th yr Vol I	2022		2394-4927	
3	Botany	Supatra Sen	Towards Sustainable Afforestation: Greening an Indian Metropolis	Indian Forester	2022	Indian Forester	0019-4816 / 2321-094X	
4		R Biswas, Supatra Sen	Impact of COVID-19 Pandemic on Undergraduate Life Science Teaching-Learning: A Gender-Based Qualitative Student Survey	International Journal of Advancement In Life Sciences Research	2022	Dr. Tarak Nath Podder Memorial Foundation	2581-4877	10.31632/ijal sr.2023.v06i01.004
5		Chatterjee, M., Ghosh, P., Sen, Supatra, Sinha, D., Ganguly, S.	The Function of HAK as K+ Transporter and AKT as Inward-Rectifying Agent in the K+ Channel	Plant Metal and Metalloid Transporters,	2022	Springer	ISBN 978-981-19-6102-1	10.1007/978-981-19-6103-8_11
6		Supatra Sen	Surviving Climate Change: A City's Journey to Sustainability	Book	2022		ISBN 978-93-952020-4-6	



PUBLICATIONS (2022-January 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

7	Botany	Mitra, A., Chaudhuri, S. and Sen, Supatra	Survey and role of Mangroves in disaster mitigation in Namkhana, West Bengal: Protection of Coastal Zone	Harvest	2022	Harvest	2456- 6551	https://ssrn.com/abstract=4314666
8		Sanghita Das, Debbethi Bera, Debojyoti De, Dheeraj Mondal, Parimal Karmakar, Sukhen Das, Anindita Dey	Thymoquinone incorporated chitosan-sodium alginate/psyllium husk derived biopolymeric composite films: A comparative antibacterial and anticancer profile	European Polymer Journal	2022	Elsevier	0014- 3057	10.1016/j.eur polymj.2022. 111608
9	Chemistry	Srijita Basumallick	Interactions of Ag nanoparticles with humic acid present in surface water	Applied water science	2022	Springer	2190- 5495	10.1007/s132 01-022- 01580-z
10	Communicative English	Surama Bera	Resistance and Revolt Between and Beyond Bhadu Song Lyrics of Purulia: Exploring Voice of the Voiceless	Internation al Journal of Multidisci plinary Education Research	2022	-	2277- 7881	
11		Surama Bera	Retracing Memory: An Inquiry into the Lesser- known Folk Performance Narratives of Purulia	Lokaratna (e-journal of the Folklore	2022	-	2347- 6427	
12	Computer Science	S. Raja, A. John Rajan, V. Praveen Kumar, N. Rajeswari, M. Girija, Santanu Modak, R. Vinoth Kumar, Wubishet Degife Mammo	Selection of Additive Manufacturing Machine Using Analytical Hierarchy Process	Scientifi c Program ming	2022	Springer	1058- 9244, 1875- 919X	10.1155/2022 /1596590



PUBLICATIONS (2022-Jauuary 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

13	Computer Science	S Venkatasubramanian, S Raja, V Sumanth, Jaiprakash Narain Dwivedi, J Sathiaparkavi, Santanu Modak, Mandefro Legesse Kejela	Fault Diagnosis Using Data Fusion with Ensemble Deep Learning Technique in IIoT	Mathematical Problems in Engineering	2022	Hindawi	1024-123X	10.1155/2022/1682874
14		Bikas K. Chakrabarti, Atanu Rajak and Antika Sinha	Stochastic Learning in Kolkata Paise Restaurant Problem: Classical and Quantum Strategies	Frontiers in Artificial Intelligen	2022	Frontiers Media, Switzerland	2624-8212	10.3389/frai.2022.874061
15		S Ganguly, S Mohiuddin, S Malakar, E Cuevas, R Sarkar	Visual attention-based deepfake video forgery detection	Pattern Analysis and Application	2022	Springer	1433-755X	10.1007/s10044-022-01083-2
16		S Ganguly, A Ganguly, S Mohiuddin, S Malakar, R Sarkar	ViXNet: Vision Transformer with Xception Network for deepfakes based video and image forgery detection	Expert Systems with Application	2022	Elsevier	0957-4174	10.1016/j.eswa.2022.118423
17		Bodhan Chakraborty, Agneet Chaterjee, Samir Malakar, and Ram Sarkar	An iterative approach to unsupervised outlier detection using ensemble method and distance-based data filtering	Complex & Intelligent Systems	2022	Springer	2198-6053	10.1007/s40747-022-00674-0
18		Samir Malakar, Samanway Sahoo, Anuran Chakraborty, Ram Sarkar, and Mita Nasipuri	Handwritten Arabic and Roman word recognition using holistic approach	The Visual Computer	2022	Springer	1432-2315	10.1007/s00371-022-02500-7



PUBLICATIONS (2022-Jauuary 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

19	Computer Science	Souradeep Mukhopadhyay, Sabbir Hossain, Samir Malakar, Erik Cuevas, and Ram Sarkar	Image contrast improvement through a metaheuristic scheme	Soft Computing	2022	Springer	1433-7479	10.1007/s00500-022-07291-6
20		Samir Malakar, Soumya Deep Roy, Soham Das, Swaraj Sen, Juan D. Velásquez, and Ram Sarkar	Computer Based Diagnosis of Some Chronic Diseases: A Medical Journey of the Last Two Decades	Archives of Computational Methods in Engineering	2022	Springer	1886-1784	10.1007/s11831-022-09776-x
21		Subhrajit Dey, Rajdeep Bhattacharya, Samir Malakar, Friedhelm Schwenker, and Ram Sarkar	Covid Conv LSTM: A fuzzy ensemble model for COVID-19 detection from chest X-rays	Expert Systems with Applications	2022	National Library of Medicine, USA	0957-4174	10.1016/j.eswa.2022.117812
22		Arnab Kumar Ghoshal, Nabanita Das, Soham Das	Disjoint and overlapping community detection in small-world networks leveraging mean path length	IEEE Transactions on Computational Social Systems	2021	IEEE	2329-924X	10.1109/TCS.S.2021.3093038
23		Arnab Kumar Ghoshal, Nabanita Das, Soham Das, Subhankar Dhar	Trust-based Misinformation Containment in Directed Online Social Networks	15th International Conference on COMMunication Systems & NETWORKS (COMSNETS)	2023	IEEE	2155-2509	10.1109/COMSNETS56262.2023.10041359



PUBLICATIONS (2022-January 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

24	Electronics	Raghunath Bhattacharyya Shoubhik De, Manish Kumar, Silajit Manna, Sugato Ghosh, Kunal Sinha, Deepanjana Adak, Santanu Maity	Surface engineering of solar glass covers for soiling related issues by applying electrodynamic screens (EDS)	Surfaces and Interfaces	2021	Elsevier	2468- 0230	10.1016/j.surf in.2021.1012 22
25	English	Ashis Sahu	'I'm mortgaged.' Strength of a tyrannized in Mahasweta's The Glory of Sri Sri Ganesh	International Journal for Innovative Research in Multidisciplinary Field	2022	Research Culture Society and Publication	2455- 0620	10.2015/IJIR MF/ 202207008
26		Ashis Sahu	Dominated, Not Defeated: Studying Mr Biswas In V. S. Naipaul's A House For Mr Biswas	International Journal of English and Studies	2022	SP Publicati ons	2581- 8333	10.47311/IJO ES.2022.4.8.1 110.47311/IJ OES.2022.4.8 .11
27		Ashis Sahu	Roles of Humanitarians in Mahasweta's The Glory of Sri Sri Ganesh and Water	International Journal of Research Culture Society	2022	Research Culture Society & Publication	2456- 6683	10.2017/IJRC S/202207015
28		Ashis Sahu	Understanding Thatha in Atulya Misra's Oxygen Manifesto: A Battle for the Environment	Suraj Punj Journal for Multidisci plinary Research	2022		2394- 2886	
29		Ashis Sahu	Education As a Motif in the Guide	Education Society	2022		2278- 6864	



PUBLICATIONS (2022-Jauuary 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

30	Environmental Science	Shramana Roy Barman	Biopolymer linked activated carbon-nano-bentonite composite membrane for efficient elimination of PAH mixture from aqueous solutions	Biomass Conversion and Biorefinery	2022	Springer	2190-6815, 2190-6823	10.1007/s13399-021-02223-0
31	Environmental Science	Kaizar Hossain, Mohd Talha Anee, Ahmad Farid Bin Abu Baker	Application of Geo-electrical Methods for Estimating Water Infiltration in Soils	Nature Environment and Pollution Technology	2022	Technosience Publications	0972 6268	10.46488/NEPT.2022.v21i03.034
32	Environmental Science, Geology, Botany	Sayanti Kar, Indrajit Ghosh, Pampiya Chowdhury, Amitava Ghosh, Pritam Aitch, Gupinath Bhandari, Abhishek Roychowdhury	A model-based prediction and analysis of seasonal and tidal influence on pollutants distribution from city outfalls of river Ganges in West Bengal, India and its mapping using GIS tool.	PLOS Water	2022	PLOS	2767-3219	10.1371/journal.pwat.0000008
33	Environmental Science, Botany	Bhattacharyya Phalguni, Acharya Ritwik, Kar Sayanti, Ghosh Indrajit and Ghosh Amitava	Animal and Plant Responses to Water Pollution: An Overview	International Journal of Zoological Investigations	2022	Saran Publications	2454-3055	10.33745/ijzi.2022.v08i01.067



PUBLICATIONS (2022-Jauuary 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

34	Environmental Science	Suchandra Goswami, Shivangi Saxena, Shalini Yadav, Diptendu Goswami, Koushik Brahmachari, Sruti Karmakar, Biswajit Pramanik, Sunil Brahmachari	Review of Curcumin and It's Different Formulations: Pharmacokinetics, Pharmacodynamics and Pharmacokinetic-Pharmacodynamic Interactions	OBM Integrative and Complementary Medicine	2022	LIDSEN Publishing Inc.	2573-4393	10.21926/obm.icm.2204057
35		Arivarasan Vishnu Kirthi, Gaurav Kumar, Gaurav Pant, Manu Pant, Kaizar Hossai, Akil Ahmad, and Mohammed B. Alshammari	Toxicity of Nanoscaled Zero-Valent Iron Particles on Tilapia, Oreochromis mossambicus	ACS Omega-Journal	2022	ACS Publications	2470-1343	10.1021/acso-mega.2c05696
36	Geography	Panja, Sumit. and Sayani Mukhopadhyay	“Rainfall Variability and Its Impact on Crop Calendar of Rain-Fed Rice Cultivation in East Coast of India: A Study of Purba Medinipur Coastal Area, West Bengal, India”	International Journal of Biology, Pharmacy and Allied Sciences IJBPAS	2022	BPAS Publishers LLP	: 2277–4998	10.31032/IJB PAS/2022/11.1.1070
37		Soumik Halder and Sayani Mukhopadhyay,	A critical review of increasing participation rate in MGNREGA programme during the paddy harvesting session: A case study in Rampurhat CD block, Birbhum, West Bengal.”	Indian Journal of Spatial Science	2022	Indian Society of Spatial Scientists	2249-3921	https://www.indiansss.org/jss/current-issue



PUBLICATIONS (2022-Jauuary 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

38	Geography	Anirban Kundu, Sayani Mukhopadhyay and Sumit Panja,	"An Integrated Assessment of Flood Risk Using Geospatial and Multi-Criteria Based Analysis: A Case Study from Mayurakshi River Basin, India,"	" Fluvial Systems in the Anthropocene : Process, Response and Modelling" Edited by Islam, A, Das. P, Ghosh. A, Mukhopadhyay A, Das Gupta, A, Singh, A. K.	2022	Springer	ISBN 978-3-031-11180 - 8,ISBN N 978-3-031-11181 -5 (eBook)	10.1007/978-3-031-11181-5
39		Sumit Panja, Anirban Kundu, Sayani Mukjopadhyay	Climate change impact on the coastal areas of India: A Review	The Earth Talk: Changing Perspectives	2022	Dept of Environmental Sciences, Asutosh	2583-4940	https://asutoshcollege.in/new-web/pdf/envs-magazine
40		Sujit Maji, Soumik Halder and Sayani Mukhopadhyay	Present Labour Problems in Floriculture and its Relation to Mahatma Gandhi National Rural Employment Guarantee Act	Social Action	2022	Indian Social Institute	0037-7627	https://www.researchgate.net/publication/361053028
41		Sujit Maji, Sayani Mukhopadhyay	Impact of Lockdown on Floriculture during the COVID-19 Pandemic in Haora District, West Bengal, India	Indian Journal of Spatial Science	2022	Indian Society of Spatial Scientists	2249-3921, (Vol.13 No.4 Winter Issue 2022)	https://www.indiansss.org/jss/
42	Geography	Sourav Das	An Introduction to Rural Development: Concept and Applications	Book	2023	Global Net Publications	ISBN: 987-93-91166-75-5	



PUBLICATIONS (2022-January 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

43	Geology	Srinanda Ganguly, Arpita Samanta and Abhik Kundu	The Rock Outcrops at Raghunathdi, SE of Ghatsila (Jharkhand, India): a Spectacular Preservation of Polyphase Folding.	Structural Geology and Tectonics Field Guide book— Volume 2, Ed S. Mukhopadhyay	2023	Springer	978-3-031-19576-1	10.1007/978-3-031-19576-1_5
44		Arpita Samanta and Abhik Kundu	Spectacular Soft-Sediment Deformation Structures in Sedimentary Rock Outcrops of Damodar Valley Basin, West Bengal, India:	Structural Geology and Tectonics Field Guidebook— Volume 2, Ed S. Mukhopadhyay	2023	Springer	978-3-031-19576-1	10.1007/978-3-031-19576-1_6
45		Joyita Thapa, Abhik Kundu, Rwiti Basu, A. S. Arya	New findings and appraisal of structural control on polygonal impact crater rim-geometry, a study from Mare Fecunditatis, Moon	Advances in Space Research	2023	Elsevier	1879-1948	10.1016/j.asr.2022.09.061
46		Joyita Thapa, Abhik Kundu, Ashutosh S Arya, Rwiti Basu	Origin of and deformation related to the Rimae Doppelmayer on the Moon	Current Science	2022	Indian Academy of Science	0011-3891	https://www.currentscience.ac.in/Volumes/122/11/1247.pdf
47		Sreenivasan, S. P., Arpita Samanta, Bou Dagher-Fadel, M., Mukherjee, S., Vadlamani, R., and Bera, M. K.	Increasing primary productivity in the oligotrophic tethyan coastal ocean during the Paleocene-Eocene warming episode	Global and Planetary Change	2022	Elsevier	1872-6364	10.1016/j.gloplacha.2022.103898
48		Arpita Samanta, M. K. Bera, Sruthi P, Sreenivasan, Anindya Sarkar	Comparison of pretreatment methods for organic-matter removal and their effects on the hydrogen isotope ($\delta^2\text{H}$) composition of kaolinite	Clay and Clay Minerals	2023	Springer	00098604, 15528367	https://doi.org/10.1007/s42860-023-00221-z



PUBLICATIONS (2022-Jauuary 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

49		Supriya Mondal, Saurodeep Chatterjee, Rimjhim Maity, Debesh Gain and Dipanjan Mazumdar	Imprints of vehicular pollution in roadside dust from Kolkata, India: insights from magnetic susceptibility, geo-statistical and SEM studies. .	Current Science	2023	Indian Academy of Science	0011-3891	10.18520/cs/v124/i1/56-62
50	Geology	Supratik Basu, Nilanjan Dasgupta, Abhik Kundu, Satadru Bhattacharya and Dipayan Dasgupta	The role of pre-existing faults and fractures in shaping polygonal impact craters and its tectonic implications in the southern Margaritifer Terra region, Mars.	Journal of Earth System Science		Indian Academy of Science - Springer	0973-774X	10.1007/s12040-022-01857-6
51		Dipayan Dasgupta, Abhik Kundu and Nilanjan Dasgupta	An insight to the cryospheric level in Mars: Case study from the Thaumasia Minor.	Icarus	2022	Elsevier	1090-2643	10.1016/j.icarus.2021.114725
52	History	Subhasri Ghosh	The scourge of domestic violence in India: looking back and the way ahead	The Palgrave Handbook of Global Social Problems	2022	Springer	978-3-030-68127-2	10.1007/978-3-030-68127-2_98-1
53	History	Subhasri Ghosh	1947-r Deshbhaag o punarbhashan: ekti punarmulyayan	Deshbhag: Akathito Itihash	2023	Gangchil	ISBN 978-93-93569-49-3	https://www.researchgate.net/profile/Subhasri-Ghosh/research



PUBLICATIONS (2022-Jauuary 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

54	Industrial Fish & Fisheries	Arup Kar, Dr. Neha Deepak Thakare and Dr. Utpal Kumar Barman	Analysis the impact of growth with different salinity levels of crabs(Scylla serrata)	NIU International Journal of Human Rights	2022	Noida International University	2394-0298	
55		Arup Kar, Dr. Deepak Thakare and Dr. Utpal Kumar Barman	Studies on protein requirements of growing Scylla serrata under field conditions	International Research Journal of Natural and Applied Sciences	2022	IP Indexing	2349-4077	
56		Purnendu Pramanic, Dr. Imran Khan and Dr. Utpal Kumar Barman	A case study on environmental benefits of better management practices (BMP'S) in L. vannamei culture	International Journal of Research in engineering and applied sciences IJREAS	2022	Yeshwantrao Chavan College of Engineering	2249-3905	NA
57		Arup Kar, Dr. Deepak Thakare and Dr. Utpal Kumar Barman	To study about the effects of salinity on growth and survival of crabs (Scylla serrata)	Shodhasamhita	2022	Kavikulaguru Kalidas Sanskrit University	22777 067	NA
58		Ram Krishna Das & Nilay Ray	Acute toxicity of fluoride and aluminium on the freshwater fish, Cyprinus carpio L.	Indian Journal of Experimental Biology	2022	CSIR-NIScPR	0019-5189/0975-1009	10.56042/ijeb.v60i02.59954



PUBLICATIONS (2022-January 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

59	Journalism & Mass Communication	Dr. Debastuti Dasgupta and Srestha Sarkar	Digital Divide: A Detrimental Blow to Education Sector with Special Reference to Media Students	Society Language and Culture	2022	Society, Language and Culture Trust	2583-0341	https://www.societylanguageculture.org/adminpanel/slc-research/slc-research-details/slc-research-details-add/slc-research-details-update/upload/111.pdf
60	Journalism & Mass Communication	Dr. Debastuti Dasgupta Soumyadeep Sarkar	Privacy: A myth in online gaming?	International Journal of Advanced Mass Communication and Journalism	2022	Data One Enterprises	2708-4469	10.22271/27084450.2022.v3.i2a.49
61		Dr. Reema Roy, Indrani Chakraborty	Paradigm Shift in Indian Advertisement: A Study on Womens' Position in Television Commercials	Era Journal and Publication	2023	Education, Research & Analysis	2348-571X	http://erajournal.vjrc.ac.in/
62		Debastuti Dasgupta, Priyanka Roy	OTT in Covid era and Beyond	Harvest	2022	Harvest	2456-6551	http://www.harvestjournal.net/
63		Debastuti Dasgupta, Alok Sahai	Coping with mental health challenges during covid era	Era Journal and Publication	2022	Education, Research & Analysis	2348-571X	http://erajournal.vjrc.ac.in/



PUBLICATIONS (2022-January 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

64	Mathematics	Arpita Paul, Totan Garai	The effect of supply disruption in a two-layer supply chain with one retailer and two suppliers with promotional effort under random demand	Journal of Management Analytics	2022	Taylor & Francis	2327-0039	10.1080/23270012.2022.2073570
65		Arpita Paul, Bibhas C Giri.	Green sustainable supply chain under cap and trade regulation involving government introspection	RAIRO - Operations Research	2022	edp Sciences	1290-3868, 0399-0559	10.1051/ro/2022009
66		Jafar Sadeghi, Mehdi Shokri, Saeed Noori Gashti, Behnam Pourhassan, Prabir Rudra	Traversable wormhole in logarithmic $f(R)$ gravity by various shape and redshift functions	International Journal of Modern Physics D	2022	World Scientific	0218-2718	10.1142/S0218271822500195
67		Kinsuk Giri, Prabir Rudra	Constraints on cubic and $f(P)$ gravity from the cosmic chronometers, BAO & CMB datasets: Use of machine learning algorithms	Nuclear Physics B	2022	Elsevier	0550-3213	10.1016/j.nucphysb.2022.115746
68		Prabir Rudra	Energy-momentum squared symmetric Teleparallel gravity: $f(Q, T_{\mu\nu} T^{\mu\nu})$ gravity	Physics of the Dark Universe	2022	Elsevier	2212-6864	10.1016/j.dark.2022.101071
69		Bilel Hamil, Houcine Aounallah, Prabir Rudra	Higher order GUP black hole based on COW experiment and Einstein-Bohr's photon box	European Physical Journal Plus	2022	Springer	2190-5444	10.1140/epjp/s13360-022-02935-w
70		Abbad Moussa, Houcine Aounallah, Prabir Rudra, Faizuddin Ahmed	Klein-Gordon oscillator with scalar and vector potentials in topologically charged Ellis-Bronnikov-type wormhole	International Journal of Geometric Methods in Modern Physics	2022	World Scientific	0219-8878	10.1142/S0219887823501025



PUBLICATIONS (2022-Jauuary 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

71	Mathematics	Arpita Paul Totan Garai Bibhas Chandra Giri	Sustainable supply chain coordination with greening and promotional effort dependent demand	International Journal of Procurement Management	2022		1753-8432	10.1504/IJPM.2023.128478
72		Arpita Paul Bibhas Chandra Giri	Green sustainable supply chain under cap and trade regulation involving Government introspection	Rairo Operations Research	2022		0399-0559	10.1051/ro/2022009
73		Arpita Paul Totan Garai Dipankar Chakroborty	Pricing strategy of competing retailers in a two layer supply chain under nonlinear stochastic demand	International Journal of Mathematics in Operations Research	2022		1757-5850	10.1504/IJMOR.2022.127757
74	Microbiology	Pranab Kumar Das	A comparative study between Anti-Clastogenic synergistic effect of Ursolic Acid, Beta sitosterol and Sitosterol-3-O glucoside (Drug I) and only Ursolic Acid, Beta sitosterol (Drug II) on human chromosomes.	IOSR Journal of Biotechnology and Biochemistry (IOSR-JBB)	2022	IOSR Journals	2455-264X	10.9790/264X-08014551
75		Arpita Mandal, Tanmay Paul, Keshab Chandra Mondal	Bioremediation of melanised poultry feather waste for production of mosquitocidal keratinase	Research Journal of Biotechnology	2022	World Researchers Associations	2278 - 4535	/10.25303/1702rjbt2230



PUBLICATIONS (2022-January 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

76	Microbiology	Sourav Roy, Prithwi Ghosh, Abhirup Bandyopadhyay, & Sankar Basu*	Capturing a Crucial 'Disorder-to-Order Transition' at the Heart of the Coronavirus Molecular Pathology—Triggered by Highly Persistent, Interchangeable Salt-Bridges	Vaccines	2022	National Library of Medicine, USA	1422-0067	10.3390/vaccines10020301.	
77		Gargi Biswas, Semanti Ghosh*, Sankar Basu, Dhananjay Bhattacharyya, Alok Kumar Datta, & Rahul Banerjee*	Can the Jigsaw Puzzle Model of Protein Folding Re-assemble a Hydrophobic Core?	Proteins : Structure, Function and Bioinformatics	2022	Wiley Periodicals LLC	1097-0134	0.1002/prot.26321	
78	Physics	Arpita Guha Bose, Aditi Das, Saheli Chowdhury, Argha Deb	Studies of scintillation and TEC variations with GPS satellite links together with soil radon anomalies preceding Nepal earthquakes of April- May 2015	Natural Hazards	2022	Springer	1573-0840	10.1007/s11069-022-05221-1	
79	Sanskrit	Somnath Das	आत्म-साक्षात्कार के विचार में आध्यात्मिक जीवन की प्रासंगिकता	ज्योतिर्वेद-प्रस्थानम्	2022		2278-0327		
80		Somnath Das	स्वप्नवासवदत्तम्-राजात्वं च असीमप्रेमादर्शस्य एकं प्रामाणिकपत्रम्	Journal of Veda Samskrta Academy	2022		2250-1711		
81		Somnath Das	Vedic literature echoed in monotheism and humanism	Atishay Kalit	2022			2277-419X	
82		Arnab Patra	भास के प्रतिमा नाटक में परिलक्षित हुआ पर्यावरण का विचार	ज्योतिर्वेद-प्रस्थानम्	2022			2278-0327	



PUBLICATIONS (2022-January 2023) BY MEMBERS OF THE TEACHING FACULTY, ASUTOSH COLLEGE

83	Sanskrit	Arnab Patra	अथर्ववेद का भूमिसूक्तः काव्यं रूपं और पर्यावरण विचार	ज्योतिर्वेद - प्रस्थानम्	2022		2278- 0327	
84		Jubin Yasmin	कहानी साहित्य और समकालीन समाज	ज्योतिर्वेद- प्रस्थानम्	2022		2278- 0327	
85	Zoology	Shakya Sinha, Sajal Bhattacharya, Sriparna Datta Ray, Rina Tilak	Evolving Faces of SARS- CoV-2 with the Emergence of Diverse Variants	Journal of Communicable Diseases	2022	Advanced Research Publications	2581- 351X	10.24321/001 9.5138.20226 0
86		Chandrima Bose, Shakya Sinha, Tanuka Ghosh, Sriparna Datta Ray, Sajal Bhattacharya	Does human malaria have any link with cancer and cardiovascular diseases?	J. Med. Arthropod ology and Public Health	2022	J. Med. Arthropod ology and Public Health		
87		Puja Agnihotri, Sajal Bhattacharya	Marburg Virus Disease: An Emerging Public Health Challenge	Malaysian Journal of Medical Research	2023	Malaysian Journal of Medical Research	2550- 1607	10.31674/mj mr.2023.v07i 01.003
88		Sajal Bhattacharya and Syamantak Dey	Science And Arts: Interpretation of Interrelationship	Science and Culture	2023	Indian Science News Association		10.36094/sc.v 89.2023
89		Sajal Bhattacharya, Shakya Sinha, Rina Tilak	Emerging and Reemerging Zoonotic Viral Diseases: A Public Health Security Threat					