

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Year of collaboration	Duration (Years)		Funding Source	Link
1	Integrated approach to understand agarwood formation and value addition to agarwood	JNU/Assam Agri Univ/Darrang College/Gauhati Univ	Dr. Bimal Debnath	2018	2		Research Collaboration (Joint Project Grant) NER BPMC	Documentary evidence of collaboration Project Sanction letter is Attached (Page 33)
2	Development of polyherbal based function biopolymer hydrogel for delivery of novel healing agents in excision and burn wound	Jadavpur University, Kolkata	Prof. SK Sil	2018	3		Research Collaboration (Joint Project Grant) DBT, Govt of India	Documentary evidence of collaboration Project Sanction letter is Attached (Page 34)
3	Study of the magnetic structure in a few synthesized metal doped spinel ferrite nanocrystals	BARC	Dr. Ratan Das	2018	3		Research Collaboration (Joint Project Grant) UGC DAE	Documentary evidence of collaboration Project Sanction letter is Attached (Page 35)
4	What role of tropical thunderstorms play in driving the upper	Tel Aviv University, Israel	Dr. Anirban Guha	2018	2		Research Collaboration (Joint Project Grant) Indo Israel Joint Research	Documentary evidence of collaboration letter is Attached (Page 36)

	tropospheric water vapour							
5	Aspen Plus simulation of a Fluidized Bed Gasifier	CSIR CIMFR , Dhanbad	Harjeet Nath	2018	2	Collaborative research work leading to publication <a href="https://www.sciencedirect.com/science/article/pii/S2214785320326481?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S2214785320326481?via%3Dihub</a>	NA	Documentary evidence of collaboration letter is Attached (Page 37)
6	Understanding mechanistic detail of growth promotion and stress tolerance in legume crop by fungal endophytes through secretom and metabolomics study	NIPGR, New Delhi	Dr. P. Das & Prof. A.K. Saha	2019	3	Research Collaboration (Joint Project Grant)	DBT, Govt. of India	Documentary evidence of collaboration Project Sanction letter is Attached (Page 38)
7	Prospects of biochars as amendment in various types of soil present	IIT Guwahati	Shri. Harjeet Nath	2019	2	Research Collaboration (Joint Project Grant)	DBT NECBH Twinning	Documentary evidence of collaboration Project Sanction letter is Attached

	in North East India					Collaborative research work leading to publication <a href="https://www.tandfonline.com/doi/full/10.1080/01490451.2022.2028942">https://www.tandfonline.com/doi/full/10.1080/01490451.2022.2028942</a>		(Page 38-40)
8	Low-latitude ionospheric response from GPS, IRI and TIE-GCM TEC to Solar Cycle 24	Rao S.S., Kumar S., Singh A.K. Department of Physics, Institute of Science, Banaras Hindu University, Varanasi, 221005, India worked with Chakraborty M.	Chakraborty M.	2018-19	1	JOINT RESEARCH PUBLICATION	4-2/2006(BSR)/ES/17-18/0048  National Aeronautics and Space Administration, NASA  Indian Space Research Organisation, ISRO	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076004566&amp;doi=10.1007%2fs10509-019-3701-2&amp;partnerID=40&amp;md5=40521b4e13db6dbf2ff2a668fd38d3af">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076004566&amp;doi=10.1007%2fs10509-019-3701-2&amp;partnerID=40&amp;md5=40521b4e13db6dbf2ff2a668fd38d3af</a>

							Banaras Hindu University, BHU	
9	Solar photovoltaic panels as next generation waste: A review	Mishra S.a, Das A.P. Department of Life Science, Rama Devi Women's University, Bhubaneswar, Odisha, India worked with Rout P.K.	Rout P.K.	2018-19	1	JOINT RESEARCH PUBLICATION	Department of Science and Technology, Government of Kerala: SP/YO/031/2016	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075934689&amp;doi=10.33263%2fBRIAC96.539546&amp;partnerID=40&amp;md5=dda19cc172ae02310425b1c47b74ed68">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075934689&amp;doi=10.33263%2fBRIAC96.539546&amp;partnerID=40&amp;md5=dda19cc172ae02310425b1c47b74ed68</a>
10	Alignment-free method for DNA sequence clustering using Fuzzy integral similarity	Saw A.K. Institute of Advanced Study in Science and Technology, Mathematical Sciences Division, Guwahati, 781035, India Raj G., Das M., Talukdar N.C., Nandi S. Institute of Advanced Study in Science and Technology, Life Science Division, Guwahati, 781035, India worked with Tripathy B.C.	Tripathy B.C.	2018-19	1	JOINT RESEARCH PUBLICATION	BT/RLF/Re-entry/48/2013	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062584118&amp;doi=10.1038%2fs41598-019-40452-6&amp;partnerID=40&amp;md5=a39edaf126f7850b8b35a3e53a5de15f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062584118&amp;doi=10.1038%2fs41598-019-40452-6&amp;partnerID=40&amp;md5=a39edaf126f7850b8b35a3e53a5de15f</a>
11	Alignment-free similarity analysis for protein	Saw A.K. Institute of Advanced Study in Science and Technology,	Tripathy B.C.	2018-19	1	JOINT RESEARCH PUBLICATION	Department of Science and	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062100486&amp;doi=1">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062100486&amp;doi=1</a>

	sequences based on fuzzy integral	Mathematical Sciences Division, Guwahati, 781035, India Nandi S. Institute of Advanced Study in Science and Technology, Life Science Division, Guwahati, 781035, India worked with Tripathy B.C.					Technology, Ministry of Science and Technology: BT/RLF/Re-entry/48/2013	<a href="https://doi.org/10.1038/2fs41598-019-39477-8&amp;partnerID=40&amp;md5=e509f47db38e0afc4dcf0d35f1749b37">0.1038%2fs41598-019-39477-8&amp;partnerID=40&amp;md5=e509f47db38e0afc4dcf0d35f1749b37</a>
12	foF2 variability at a southern low-latitude station and the performance of IRI-2016 model during ascending phase of solar cycle-24	Rao S.S., Singh A.K. Department of Physics, Institute of Science, Banaras Hindu University, Varanasi, 221005, India Pandey R. c Department of Physics, M.L.S. University, Udaipur, 313001, India workwed with Chakraborty M.	Chakraborty M.	2018-19	1	JOINT RESEARCH PUBLICATION	4-2/2006(BSR)/ES/17-18/0048  National Aeronautics and Space Administration, NASA  Indian Space Research Organisation, ISRO	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072552868&amp;doi=10.1016%2fj.asr.2019.08.014&amp;partnerID=40&amp;md5=0517ad5551799a708275d675a1235516">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072552868&amp;doi=10.1016%2fj.asr.2019.08.014&amp;partnerID=40&amp;md5=0517ad5551799a708275d675a1235516</a>

							Banaras Hindu University, BHU	
13	Satellite-based observation of lightning climatology over Nepal	Damase N.P., Sharma S. Department of Physics, Amrit Science College, Tribhuvan University, Kathmandu, Nepal Banik T. North Eastern Space Applications Centre, Umiam, Meghalaya, India worked with Saha K., Damase N.P., Banik T., Paul B., De B.K., Guha A.	Saha K., Damase N.P., Banik T., Paul B., De B.K., Guha A.	2018-19	1	JOINT RESEARCH PUBLICATION	Ref.SR/ST/PSI-191/2014 National Center for Atmospheric Research, NCAR University of Washington, UW Department of Information Technology, Ministry of Communications and Informa	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070388911&amp;doi=10.1007%2fs12040-019-1239-x&amp;partnerID=40&amp;md5=63a692a0a9f3d68ece3b66e92999dfff">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070388911&amp;doi=10.1007%2fs12040-019-1239-x&amp;partnerID=40&amp;md5=63a692a0a9f3d68ece3b66e92999dfff</a>

							tion Technol ogy, DIT	
							Werner Reichar dt Centre for Neurosc ience, CI N	
14	Isolation and Identification of Lead (Pb) Solubilizing Bacteria from Automobile Waste and Its Potential for Recovery of Lead from End of Life Waste Batteries	Mishra S., Das A.P. Department of Life Sciences, Rama Devi Women's University, Bhubaneswar, India worked with Prabhakar A.	Prabhakar A.	2018-19	1	JOINT RESEARCH PUBLICATION	Depart ment of Science and Technol ogy, Govern ment of Kerala: SP/YO/0 31/2016	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071012494&amp;doi=10.1080%2f01490451.2019.1654044&amp;partnerID=40&amp;md5=de252793976cc5dab5dc4760c155d0ba">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071012494&amp;doi=10.1080%2f01490451.2019.1654044&amp;partnerID=40&amp;md5=de252793976cc5dab5dc4760c155d0ba</a>
15	X-ray diffraction analysis for the determination of elastic properties of zinc-doped manganese spinel ferrite	Deb K.,Saha B. Department of Physics, NIT Agartala, 799046, Tripura, India worked with Debnath S.,Das R.	Debnath S.,Das R.	2018-19	1	JOINT RESEARCH PUBLICATION	EEQ/20 17/0002 38, SR/F ST/PSI- 191/201 4	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066624371&amp;doi=10.1016%2fj.jpcs.2019.05.047&amp;partnerID=40&amp;md5=e1347cf40c72a47e6a28240979e0c518">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066624371&amp;doi=10.1016%2fj.jpcs.2019.05.047&amp;partnerID=40&amp;md5=e1347cf40c72a47e6a28240979e0c518</a>

	nanocrystals (Mn <sub>0.75</sub> Zn <sub>0.25</sub> Fe <sub>2</sub> O <sub>4</sub> ), along with the determination of ionic radii, bond lengths, and hopping lengths							
16	Conjugate hemispheric response of earth's ionosphere due to geomagnetic storms occurred during two equinox periods	Patari A. Department of Physics, Ishwarchandra Vidyasagar College, Belonia, Tripura, 799155, India worked with Patari A., De B.K., Guha A., Paul B.	Patari A., De B.K., Guha A., Paul B.	2018-19	1	JOINT RESEARCH PUBLICATION	Department of Science and Technology, Ministry of Science and Technology, DST : SR/FST/PSI-191/2014	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074910121&amp;doi=10.1088%2f1742-6596%2f1330%2f1%2f012004&amp;partnerID=40&amp;md5=25333a266bfa6fbb4457dbc91197f034">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074910121&amp;doi=10.1088%2f1742-6596%2f1330%2f1%2f012004&amp;partnerID=40&amp;md5=25333a266bfa6fbb4457dbc91197f034</a>
17	Segmentation of Knee Thermograms for Detecting Inflammation	Prasad Mukherjee D. Indian Statistical Institute, Kolkata, India worked with Das K., Bhowmik M.K.	Das K., Bhowmik M.K.	2018-19	1	JOINT RESEARCH PUBLICATION	Indian Council of Medical Research, ICMR	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076806069&amp;doi=10.1109%2fICIP.2019.8803094&amp;partnerID=40&amp;md5=3af35f81f5">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076806069&amp;doi=10.1109%2fICIP.2019.8803094&amp;partnerID=40&amp;md5=3af35f81f5</a>



								<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065421985&amp;doi=10.1007%2fs11042-019-7596-2&amp;partnerID=40&amp;md5=cb71de4f895055a4319e8655655cd401">79ceb95e4b79c79cebdd02</a>
18	A Survey on Image Acquisition Protocols for Non-posed Facial Expression Recognition Systems	Bhattacharjee, D., Computer Science & Engineering Department, Jadavpur University, Kolkata, 700032, India; Nasipuri, M., Computer Science & Engineering Department, Jadavpur University, Kolkata, 700032, India worked with Saha P., De B. K.	Saha P., De B. K.	2018-19	1	JOINT RESEARCH PUBLICATION	IF131067  Department of Science and Technology, Government of Kerala	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065421985&amp;doi=10.1007%2fs11042-019-7596-2&amp;partnerID=40&amp;md5=cb71de4f895055a4319e8655655cd401">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065421985&amp;doi=10.1007%2fs11042-019-7596-2&amp;partnerID=40&amp;md5=cb71de4f895055a4319e8655655cd401</a>
19	Designing of Functionalized MWCNTs/Anodized Stainless Steel Heterostructure Electrode for Anodic Oxidation of Low Concentration As(III) in Drinking Water	Sarkar, A., Department of Environmental Science and Engineering, Indian Institute of Technology (Indian School of Mines) Dhanbad, Dhanbad, Jharkhand 826 004, India; Sarkar, A., Centre for Research in Nanoscience and Nanotechnology, University of Calcutta, Sector-III, Block- JD2, Salt Lake, Kolkata, 700 106, India, Centre for Advanced Functional Materials and Department of Chemical Sciences, Indian Institute	Khan, G.G.	2018-19	1	JOINT RESEARCH PUBLICATION	Ministry of Human Resource Development, MHRD  University of Calcutta	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071607518&amp;doi=10.1002%2fslct.201901239&amp;partnerID=40&amp;md5=de19d978e3386682fc1a8f2621a88d6a">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071607518&amp;doi=10.1002%2fslct.201901239&amp;partnerID=40&amp;md5=de19d978e3386682fc1a8f2621a88d6a</a>

		of Science Education and Research Kolkata, Nadia, Mohanpur, West Bengal 741 246, India; Paul, B., Department of Environmental Science and Engineering, Indian Institute of Technology (Indian School of Mines) Dhanbad, Dhanbad, Jharkhand 826 004, India worked with Khan, G.G.						
20	Effect of Functional Group on Electrical Switching Behaviour of an Imidazole Derivative in Langmuir-Blodgett Film	Paul, P.K., Department of Physics, Jadavpur University, Kolkata, West Bengal 700032, India worked with Dey, B., Suklabaidya, S., Majumdar, S., Bhattacharjee, D., Hussain, S.A.	Dey, B., Suklabaidya, S., Majumdar, S., Bhattacharjee, D., Hussain, S.A.	2018-19	1	JOINT RESEARCH PUBLICATION	SR/FST/PSI-191/2014  Department of Science and Technology, Ministry of Science and Technology, DST : EMR/2014/000234, SB/E MEQ-	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071330237&amp;doi=10.1002%2fslct.201901824&amp;partnerID=40&amp;md5=7e2f3cb2be8ee71c4d53bfabcea28251">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071330237&amp;doi=10.1002%2fslct.201901824&amp;partnerID=40&amp;md5=7e2f3cb2be8ee71c4d53bfabcea28251</a>

							142/2014 University Grants Commission, UGC Science and Engineering Research Board, SERB: EMR/2016/001537 Construction Industry Council, CIC	
21	Global lightning activity and the hiatus in global warming	Williams, E., Parsons Laboratory of the Department of Civil and Environmental Engineering, MIT, India; Boldi, R., Department of Environmental Sciences,	Guha, A.	2018-19	1	JOINT RESEARCH PUBLICATION	Massachusetts Institute of Technology	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064153192&amp;doi=10.1016%2fj.jastp.2019.03.011&amp;partnerID=40&amp;md5=414d96fe5">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064153192&amp;doi=10.1016%2fj.jastp.2019.03.011&amp;partnerID=40&amp;md5=414d96fe5</a>

		Zayed University, Dubai, United Arab Emirates; Christian, H., University of Alabama, Huntsville, United States; Buechler, D., University of Alabama, Huntsville, United States worked with Guha, A.					Grainger Foundation	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-39accbf418b7ce2723e6ff6">39accbf418b7ce2723e6ff6</a>
22	Combined triple band circularly polarised and compact UWB monopole antenna	Saha, A., Netaji Subhash Engineering College, Kolkata, India worked with Karmakar, A., Chakraborty, P., Banerjee, U.	Karmakar, A., Chakraborty, P., Banerjee, U.	2018-19	1	JOINT RESEARCH PUBLICATION		<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069041092&amp;doi=10.1049%2fiet-map.2018.5459&amp;partnerID=40&amp;md5=714015cb08e224e26842ddc8eeb48d8d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069041092&amp;doi=10.1049%2fiet-map.2018.5459&amp;partnerID=40&amp;md5=714015cb08e224e26842ddc8eeb48d8d</a>
23	Flower bud proteome reveals modulation of sex-biased proteins potentially associated with sex expression and modification in dioecious <i>Coccinia grandis</i>	Devani R.S., Dholakia B.B., Banerjee A.K., Banerjee J. Biology Division, Indian Institute of Science Education and Research (IISER), Pune, 411008, India  Chirmade T.Dholakia B.B. Biochemical Science Division National Chemical Laboratory (CSIR-NCL), Pune, 411008, India	Sinha S., Dholakia B.B.	2018-19	1	JOINT RESEARCH PUBLICATION	Human Resource Development Group  Council of Scientific and Industrial Research, India, CSIR	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069767629&amp;doi=10.1186%2fs12870-019-1937-1&amp;partnerID=40&amp;md5=05a2366ad20f834db81d49609cf86c9f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85069767629&amp;doi=10.1186%2fs12870-019-1937-1&amp;partnerID=40&amp;md5=05a2366ad20f834db81d49609cf86c9f</a>

		Chirmade T. Academy of Scientific and Innovative Research (AcSIR), New Delhi, India Devani R.S., Bendahmane A. IPS2, INRA, CNRS, University Paris Sud, University of Evry, University of Paris Diderot, University of Paris Saclay, Batiment 630, Orsay, 91405, France worked with Sinha S., Dholakia B.B.					Department of Science and Technology, Ministry of Science and Technology, India, डी एसटी	
24	Peroxo–tungstate(VI) complexes: syntheses, characterization, reactivity, and DFT studies	Chowdhury, S., Department of Chemistry, University of Gour Banga, Malda, West Bengal 732103, India worked with Das, N., Purkayastha, R.N.D.	Das, N., Purkayastha, R.N.D.	2018-19	1	JOINT RESEARCH PUBLICATION	Department of Science and Technology, Ministry of Science and Technology, DST : SR/FST/CSI-263/2015 Universi	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068169930&amp;doi=10.1007%2fs00706-019-02435-1&amp;partnerID=40&amp;md5=81d16bb3b0c75de22ba81b00bf5755d8">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85068169930&amp;doi=10.1007%2fs00706-019-02435-1&amp;partnerID=40&amp;md5=81d16bb3b0c75de22ba81b00bf5755d8</a>

							ty Grants Commis sion, UG C	
							01/12	
25	Bioaugmentation of soil with Enterobacter cloacae AKS7 enhances soil nitrogen content and boosts soil microbial functional-diversity	Chakraborty, P., Department of Biotechnology, The Neotia University, Sarisha, Kolkata, West Bengal 743368, India; Sarker, R.K., Department of Biotechnology, The Neotia University, Sarisha, Kolkata, West Bengal 743368, India; Roy, R., Department of Biochemistry, Bose Institute Centenary Campus, Kolkata, 700054, India; Ghosh, A., Department of Biochemistry, Bose Institute Centenary Campus, Kolkata, 700054, India; Tribedi, P., Department of Biotechnology, The Neotia University, Sarisha, Kolkata, West Bengal 743368, India worked with Maiti, D.	Maiti, D.	2018-19	1	JOINT RESEARCH PUBLICATION	Science and Engineering Research Board, SERB  Department of Science and Technology, Ministry of Science and Technology, India, डी एसटी	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066941567&amp;doi=10.1007%2fs13205-019-1791-8&amp;partnerID=40&amp;md5=840939c4571d2ca18e4acf7f95e5631e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066941567&amp;doi=10.1007%2fs13205-019-1791-8&amp;partnerID=40&amp;md5=840939c4571d2ca18e4acf7f95e5631e</a>

26	Metabolic profiling and investigations on crude extract of <i>Olea europaea</i> L. leaves as a potential therapeutic agent against skin cancer	Debnath, M., Department of Biosciences, Manipal University Jaipur, Dehmi Kalan, Jaipur, Rajasthan 303007, India; Libin Kumar, K.V., TUV SUD South Asia, Bangalore, 560058, India;; Prasad, G.B.K.S., School of Studies in Biochemistry, Jiwaji University, Gwalior, 474011, India; Verma, Y.K., Rajathan Olive Cultivation Limited, State Institute of Agricultural Management Campus, Agricultural Research Station, Durgapura, Jaipur, Rajasthan 302018, India worked with Majumder, D., Nath, P., Debnath, R., Sarkar, C., Maiti, D.	Majumder, D., ; Nath, P., Debnath, R., Sarkar, C., Maiti, D.	2018-19	1	JOINT RESEARCH PUBLICATION	Department of Biotechnology, Ministry of Science and Technology, India, D BT: 13.3.2014	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065443789&amp;doi=10.1016%2fj.iff.2019.05.005&amp;partnerID=40&amp;md5=e2f1ae3ba3326777e61eddb2aa36c3fa">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85065443789&amp;doi=10.1016%2fj.iff.2019.05.005&amp;partnerID=40&amp;md5=e2f1ae3ba3326777e61eddb2aa36c3fa</a>
27	Evaluating the efficiency of infrared breast thermography for early breast cancer risk prediction in asymptomatic population	Majumdar, G., Department of Radiotherapy, Regional Cancer Centre, Agartala Govt. Medical College, Agartala, Tripura 799006, India worked with Gogoi, U.R., Bhowmik, M.K., Ghosh, A.K.	Gogoi, U.R., Bhowmik, M.K., Ghosh, A.K.	2018-19	1	JOINT RESEARCH PUBLICATION	Department of Science and Technology, Ministry of Science and Technol	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064932180&amp;doi=10.1016%2fj.infrared.2019.01.004&amp;partnerID=40&amp;md5=738b8e3e62f91c9cb1f388df5ae534f2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064932180&amp;doi=10.1016%2fj.infrared.2019.01.004&amp;partnerID=40&amp;md5=738b8e3e62f91c9cb1f388df5ae534f2</a>

							ogy, DST : IF15097 0  Depart ment of Science and Technol ogy, Govern ment of Kerala  Depart ment of Biotech nology, Govern ment of West Bengal, DBT- WB: BT/533/ NE/TBP/ 2013	
28	Temperature profile guided segmentation for detection of early subclinical	Bhattacharjee, D., Department of Computer Science and Engineering, Jadavpur University, Kolkata, West Bengal, India	Bhowmik, M.K., Das, K.	2018-19	1	JOINT RESEARCH PUBLICATION	Indian Council of Medical Research, ICMR:	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064248423&amp;doi=10.1016%2fj.infrared.2019.04.011&amp;partnerl">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85064248423&amp;doi=10.1016%2fj.infrared.2019.04.011&amp;partnerl</a>



	inflammation in arthritis knee joints from thermal images	Worked with Bhowmik, M.K., Das, K.					5/7/1516/2016-RCH	D=40&md5=be1651239269af1c78b862bb8a5b4eeb
29	Understanding bacterial biofilm stimulation using different methods - A criterion for selecting epiphytes by plants	Ghosh, S., Department of Biotechnology, School of Biotechnology and Bioinformatics, DY Patil Deemed to be University, Navi Mumbai, Maharashtra 400614, India; Biswas, T., Mukherjee I., Centre of Excellence in Environmental Technology and Management, Maulana Abul Kalam Azad University of Technology, Haringhata, Nadia, West Bengal 741249, India; Sudarshan, M., Laboratory of Trace Elements, Inter University Consortium, Kolkata Centre, Sector III, LB-8, Bidhan Nagar, Kolkata, West Bengal 700098, India; Thakur, A.R., Vice Chancellor's Office, Sister Nivedita University, DG1/2 New Town, Action area 1, Kolkata, West	Bhushan, S., Gogoi, M., Bora, A., Ghosh, S., Barman, S., ; Biswas, T., Chaudhuri, S.R,	2018-19	1	JOINT RESEARCH PUBLICATION	Ministry of Human Resource Development, MHRD	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073899075&amp;doi=10.4014%2fmb.l807.07012&amp;partnerID=40&amp;md5=d1b06093331b86ad96baf621038f848e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073899075&amp;doi=10.4014%2fmb.l807.07012&amp;partnerID=40&amp;md5=d1b06093331b86ad96baf621038f848e</a>

		Bengal 700156, India; Mukherjee, I., Centre of Excellence in Environmental Technology and Management, Maulana Abul Kalam Azad University of Technology, Haringhata, Nadia, West Bengal 741249, India; Dey, S.K., Vice Chancellor's Office, Brainware University, 398, Ramkrishnapur Road, Barasat, Near Jagadighata Market, Kolkata, West Bengal 700125, India worked with Bhushan, S., Gogoi, M., Bora, A., Ghosh, S., Barman, S., ; Biswas, T., Chaudhuri, S.R.						
30	Selective and sensitive detection of L-Cysteine via fluorometric assay using gold nanoparticles and Rhodamine B in aqueous medium	Maiti, P., Department of Physics, Jadavpur University, Jadavpur, Kolkata, 700032, India, West Bengal State Council of Science and Technology, Department of Higher Education, Science and Technology and Biotechnology, Vigyan Chetana Bhavan, Sector-I, Salt Lake,	Hussain, S.A., Dey, B.	2018-19	1	JOINT RESEARCH PUBLICATION	Science and Engineering Research Board, SERB: SB/EMEQ-142/2014	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067236071&amp;doi=10.1016%2fj.matchemphys.2019.06.001&amp;partnerID=40&amp;md5=1f9e13a9d1483d1e7fa9c71e2968863f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85067236071&amp;doi=10.1016%2fj.matchemphys.2019.06.001&amp;partnerID=40&amp;md5=1f9e13a9d1483d1e7fa9c71e2968863f</a>

		<p>Kolkata, 700064, India; Singha, T., Department of Physics, Jadavpur University, Jadavpur, Kolkata, 700032, India; Chakraborty, U., Department of Physics, Jadavpur University, Jadavpur, Kolkata, 700032, India; Roy, S.D., Department of Physics, Jadavpur University, Jadavpur, Kolkata, 700032, India; Karmakar, P., Department of Life Science &amp; Bio-technology, Jadavpur University, Jadavpur, Kolkata, 700032, India; Paul, S., West Bengal State Council of Science and Technology, Department of Higher Education, Science and Technology and Biotechnology, Vigyan Chetana Bhavan, Sector-I, Salt Lake, Kolkata, 700064, India; Paul, P.K., Department of Physics, Jadavpur University, Jadavpur, Kolkata, 700032, India worked with Hussain, S.A., Dey, B.</p>						
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31	Sequential detection of Cu 2+ and cysteine using an imidazole-based chemosensor in aqueous solution	Mandal, A., Department of Chemistry, University of Gour Banga, Malda, West Bengal, India; Naskar, J.P., Department of Chemistry, Inorganic Chemistry Section, Jadavpur University, Kolkata, West Bengal, India; Chowdhury, S., Department of Chemistry, University of Gour Banga, Malda, West Bengal, India worked with Saha, B., Saha, P., Maiti, D., Chowdhury, S.	Saha, B., Saha, P., Maiti, D., Chowdhury, S.	2018-19	1	JOINT RESEARCH PUBLICATION	Department of Science and Technology, Ministry of Science and Technology, DST : SR/FT/CS-75/2010  University Grants Commission, UGC  University Grants Committee, UGC  Department of Science	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056629225&amp;doi=10.1002%2fjccs.201802000&amp;partnerID=40&amp;md5=85b566ddaf60cfa2220eaa85533fa29b">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056629225&amp;doi=10.1002%2fjccs.201802000&amp;partnerID=40&amp;md5=85b566ddaf60cfa2220eaa85533fa29b</a>
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32	Low-latitude ionospheric response from GPS, IRI and TIE-GCM TEC to Solar Cycle 24	Rao S.S., Kumar S., Singh A.K. Department of Physics, Institute of Science, Banaras Hindu University, Varanasi, 221005, India worked with Chakraborty M.	Chakraborty M.	2018-19	1	JOINT RESEARCH PUBLICATIO N	4- 2/2006( BSR)/ES /17- 18/0048  National Aeronau tics and Space Adminis tration, NASA  Indian Space Researc h Organis ation, IS RO  Banaras Hindu Universi ty, BHU	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85076004566&amp;doi=10.1007%2fs10509-019-3701-2&amp;partnerID=40&amp;md5=40521b4e13db6dbf2ff2a668fd38d3af">https://www.scopus.com/inward/record.u ri?eid=2-s2.0- 85076004566&amp;doi=1 0.1007%2fs10509- 019-3701- 2&amp;partnerID=40&amp;md 5=40521b4e13db6db f2ff2a668fd38d3af</a>
33	Solar photovoltaic	Mishra S.a, Das A.P.	Rout P.K.	2018-19	1	JOINT RESEARCH	Depart ment of	<a href="https://www.scopus.com/inward/record.u">https://www.scopus.com/inward/record.u</a>

	panels as next generation waste: A review	Department of Life Science, Rama Devi Women's University, Bhubaneswar, Odisha, India worked with Rout P.K.				PUBLICATIO N	Science and Technology, Government of Kerala: SP/YO/031/2016	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85075934689&amp;doi=10.33263%2fBRIAC96.539546&amp;partnerID=40&amp;md5=dda19cc172ae02310425b1c47b74ed68">ri?eid=2-s2.0-85075934689&amp;doi=10.33263%2fBRIAC96.539546&amp;partnerID=40&amp;md5=dda19cc172ae02310425b1c47b74ed68</a>
34	Alignment-free method for DNA sequence clustering using Fuzzy integral similarity	Saw A.K. Institute of Advanced Study in Science and Technology, Mathematical Sciences Division, Guwahati, 781035, India Raj G., Das M., Talukdar N.C., Nandi S. Institute of Advanced Study in Science and Technology, Life Science Division, Guwahati, 781035, India worked with Tripathy B.C.	Tripathy B.C.	2018-19	1	JOINT RESEARCH PUBLICATION	BT/RLF/ Re-entry/48/2013	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062584118&amp;doi=10.1038%2fs41598-019-40452-6&amp;partnerID=40&amp;md5=a39edaf126f7850b8b35a3e53a5de15f">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062584118&amp;doi=10.1038%2fs41598-019-40452-6&amp;partnerID=40&amp;md5=a39edaf126f7850b8b35a3e53a5de15f</a>
35	Alignment-free similarity analysis for protein sequences based on fuzzy integral	Saw A.K. Institute of Advanced Study in Science and Technology, Mathematical Sciences Division, Guwahati, 781035, India Nandi S. Institute of Advanced Study in Science and	Tripathy B.C.	2018-19	1	JOINT RESEARCH PUBLICATION	Department of Science and Technology, Ministry of Science and	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062100486&amp;doi=10.1038%2fs41598-019-39477-8&amp;partnerID=40&amp;md5=e509f47db38e0afc4dcf0d35f1749b37">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062100486&amp;doi=10.1038%2fs41598-019-39477-8&amp;partnerID=40&amp;md5=e509f47db38e0afc4dcf0d35f1749b37</a>

		Technology, Life Science Division, Guwahati, 781035, India worked with Tripathy B.C.					Technology: BT/RLF/ Re-entry/48/2013	
36	foF2 variability at a southern low-latitude station and the performance of IRI-2016 model during ascending phase of solar cycle-24	Rao S.S., Singh A.K. Department of Physics, Institute of Science, Banaras Hindu University, Varanasi, 221005, India Pandey R. Department of Physics, M.L.S. University, Udaipur, 313001, India worked with Chakraborty M.	Chakraborty M.	2018-19	1	JOINT RESEARCH PUBLICATION	4-2/2006(BSR)/ES/17-18/0048  National Aeronautics and Space Administration, NASA  Indian Space Research Organisation, ISRO  Banaras Hindu University, BHU	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072552868&amp;doi=10.1016%2fj.asr.2019.08.014&amp;partnerID=40&amp;md5=0517ad5551799a708275d675a1235516">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85072552868&amp;doi=10.1016%2fj.asr.2019.08.014&amp;partnerID=40&amp;md5=0517ad5551799a708275d675a1235516</a>
37	Satellite-based observation of	Damase N.P., Sharma S.	Saha K., Damase	2018-19	1	JOINT RESEARCH	Ref.SR/FST/PSI-	<a href="https://www.scopus.com/inward/record.u">https://www.scopus.com/inward/record.u</a>

	lightning climatology over Nepal	<p>Department of Physics, Amrit Science College, Tribhuvan University, Kathmandu, Nepal</p> <p>Banik T.</p> <p>North Eastern Space Applications Centre, Umiam, Meghalaya, India</p> <p>worked with Saha K., Damase N.P., Banik T., Paul B., De B.K., Guha A.</p>	N.P., Banik T., Paul B., De B.K., Guha A.			PUBLICATION	<p>191/2014</p> <p>National Center for Atmospheric Research, NCAR</p> <p>University of Washington, UW</p> <p>Department of Information Technology, Ministry of Communications and Information Technology, DIT</p> <p>Werner Reichert</p>	<p><a href="https://doi.org/10.1007/s2.0-85070388911">ri?eid=2-s2.0-85070388911&amp;doi=10.1007/s2.0-85070388911</a></p> <p><a href="https://doi.org/10.1007/s2.0-019-1239-x">019-1239-x</a></p> <p><a href="https://doi.org/10.1007/s2.0-019-1239-x&amp;partnerID=40&amp;md5=63a692a0a9f3d68ece3b66e92999dfff">x&amp;partnerID=40&amp;md5=63a692a0a9f3d68ece3b66e92999dfff</a></p>
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							dt Centre for Neurosc ience, CI N	
38	Isolation and Identification of Lead (Pb) Solubilizing Bacteria from Automobile Waste and Its Potential for Recovery of Lead from End of Life Waste Batteries	Mishra S., Das A.P. Department of Life Sciences, Rama Devi Women's University, Bhubaneswar, India worked with Prabhakar A.	Prabhakar A.	2018-19	1	JOINT RESEARCH PUBLICATION	Department of Science and Technology, Government of Kerala: SP/YO/031/2016	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071012494&amp;doi=10.1080%2f01490451.2019.1654044&amp;partnerID=40&amp;md5=de252793976cc5dab5dc4760c155d0ba">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85071012494&amp;doi=10.1080%2f01490451.2019.1654044&amp;partnerID=40&amp;md5=de252793976cc5dab5dc4760c155d0ba</a>
39	X-ray diffraction analysis for the determination of elastic properties of zinc-doped manganese spinel ferrite nanocrystals (Mn <sub>0.75</sub> Zn <sub>0.25</sub> Fe <sub>2</sub> O <sub>4</sub> ), along with the determination of ionic radii,	Deb K.,Saha B. Department of Physics, NIT Agartala, 799046, Tripura, India worked with Debnath S.,Das R.	Debnath S.,Das R.	2018-19	1	JOINT RESEARCH PUBLICATION	EEQ/2017/000238, SR/FST/PSI-191/2014	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066624371&amp;doi=10.1016%2fj.jpics.2019.05.047&amp;partnerID=40&amp;md5=e1347cf40c72a47e6a28240979e0c518">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066624371&amp;doi=10.1016%2fj.jpics.2019.05.047&amp;partnerID=40&amp;md5=e1347cf40c72a47e6a28240979e0c518</a>

	bond lengths, and hopping lengths							
40	Conjugate hemispheric response of earth's ionosphere due to geomagnetic storms occurred during two equinox periods	Patari A. Department of Physics, Ishwarchandra Vidyasagar College, Belonia, Tripura, 799155, India worked with Patari A., De B.K., Guha A., Paul B.	Patari A., De B.K., Guha A., Paul B.	2018-19	1	JOINT RESEARCH PUBLICATION	Department of Science and Technology, Ministry of Science and Technology, DST : SR/FST/PSI-191/2014	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074910121&amp;doi=10.1088%2f1742-6596%2f1330%2f1%2f012004&amp;partnerID=40&amp;md5=25333a266bfa6fbb4457dbc91197f034">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074910121&amp;doi=10.1088%2f1742-6596%2f1330%2f1%2f012004&amp;partnerID=40&amp;md5=25333a266bfa6fbb4457dbc91197f034</a>
41	Free radical stress induces DNA damage response in RAW264.7 macrophages during Mycobacterium smegmatis infection	Ghosh, C., Molecular stress and Stem Cell Biology Lab, School of Biotechnology, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, Odisha 751024, India,  Anuja, K., Molecular stress and Stem Cell Biology Lab, School of Biotechnology, Kalinga Institute of Industrial	Ghosh, C., Sarkar, A., Das, M.C., Gupta, P., Bhattacharjee, S.,	2018-2019	1	JOINT RESEARCH PUBLICATION	PDF/2016/004121  Department of Biotechnology, Ministry of Science and Technology,	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055987267&amp;doi=10.1007%2fs00203-018-1587-y&amp;partnerID=40&amp;md5=95be6b668ce2915508e6ee29040f49ee">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85055987267&amp;doi=10.1007%2fs00203-018-1587-y&amp;partnerID=40&amp;md5=95be6b668ce2915508e6ee29040f49ee</a>

		<p>Technology (KIIT), Bhubaneswar, Odisha 751024, India;</p> <p>Chakraborty, A., Molecular stress and Stem Cell Biology Lab, School of Biotechnology, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, Odisha 751024, India; Jawed, J.J., Division of Molecular Medicine, Centenary Campus, Bose Institute, CIT Road, Kolkata, 700054, India;</p> <p>Majumdar, S., Division of Molecular Medicine, Centenary Campus, Bose Institute, CIT Road, Kolkata, 700054, India; Banerjee, B., Molecular stress and Stem Cell Biology Lab, School of Biotechnology, Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, Odisha 751024, India; Worked with</p>					<p>India, D BT: BT/519/ NE/TBP/ 2013</p>	
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		Ghosh, C., Sarkar, A., Das, M.C., Gupta, P., Bhattacharjee, S.						
42	Cathepsin B mediated scramblase activation triggers cytotoxicity and cell cycle arrest by andrographolide to overcome cellular resistance in cisplatin resistant human hepatocellular carcinoma HepG2 cells	Chowdhury, K.D., Cyto-genetics Laboratory, Department of Zoology, Rammohan College, 102/1, Raja Rammohan Sarani, Kolkata, 700 009, India;  Chatterjee, S., Molecular Biology and Tissue Culture Laboratory, Post Graduate Department of Zoology, Vidyasagar College, Kolkata, 700006, India; Patra, D., Molecular Biology and Tissue Culture Laboratory, Post Graduate Department of Zoology, Vidyasagar College, Kolkata, 700006, India; Sengupta, D., The Ohio State University, Columbus, OH 43210, United States; Banerjee, S., Cyto-genetics Laboratory, Department of Zoology, Rammohan College, 102/1, Raja Rammohan Sarani, Kolkata, 700 009, India; Chakraborty, P.,	Sarkar, A.,	2018-2019	1	JOINT RESEARCH PUBLICATION	University Grants Commission, UGC: F.PFW-85/13-14	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062893619&amp;doi=10.1016%2fj.etap.2019.03.003&amp;partnerID=40&amp;md5=b49148717cb3f818febe2ce4aaaf9303">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85062893619&amp;doi=10.1016%2fj.etap.2019.03.003&amp;partnerID=40&amp;md5=b49148717cb3f818febe2ce4aaaf9303</a>

		Department of Infertility, Institute of Reproductive Medicine, HB-36/A/3, Salt Lake, Sector-III, Kolkata, 700106, India; Sadhukhan, G.C., UGC-HRDC, Jadavpur University, Kolkata, 700032 (Retd.), India						
		Worked with Sarkar, A.,						
43	Bromelain with peroxidase from pineapple are more potent to target leukemia growth inhibition - A comparison with only bromelain	Debnath, R., Immunology Microbiology Lab, Department of Human Physiology, Tripura University, Suryamaninagar, Agartala, Tripura 799102, India; Chatterjee, N., Research Institute in Oncology & Hematology, Cancer Care Manitoba, Winnipeg, MB R3E 0V9, Canada; Das, S., Department of Pathology, Wexner Medical Center, The Ohio State University, Columbus, OH, United States; Mishra, S., Cancer Biology and Inflammatory Disorder Division, CSIR-Indian Institute of Chemical Biology, 4 Raja S. C. Mullick Road,	Ghosh, D., Maiti, D.,	2018-2019	1	JOINT RESEARCH PUBLICATION	BT/472/NE TBP/2013  Ministry of Defence , MOD: No:BT/472/NE TBP/2013	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056748437&amp;doi=10.1016%2fj.tiv.2018.11.004&amp;partnerID=40&amp;md5=2f308ebe05b5e62285595f8dcad110c2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056748437&amp;doi=10.1016%2fj.tiv.2018.11.004&amp;partnerID=40&amp;md5=2f308ebe05b5e62285595f8dcad110c2</a>

		<p>Kolkata, 700032, India;  Bose, D., Cancer Biology and Inflammatory Disorder Division, CSIR-Indian Institute of Chemical Biology, 4 Raja S. C. Mullick Road, Kolkata, 700032, India;  Banerjee, S., Cancer Biology and Inflammatory Disorder Division, CSIR-Indian Institute of Chemical Biology, 4 Raja S. C. Mullick Road, Kolkata, 700032, India;  Das, S., Cancer Biology and Inflammatory Disorder Division, CSIR-Indian Institute of Chemical Biology, 4 Raja S. C. Mullick Road, Kolkata, 700032, India;  Saha, K.D., Cancer Biology and Inflammatory Disorder Division, CSIR-Indian Institute of Chemical Biology, 4 Raja S. C. Mullick Road, Kolkata, 700032, India;</p> <p>Worked with Ghosh, D., Maiti, D.</p>						
44	Reconstruction of Global	Prácsér, E., Research Centre for Astronomy and	Guha, A.	2018-2019	1	JOINT RESEARCH	Hungary -	<a href="https://www.scopus.com/inward/record.u">https://www.scopus.com/inward/record.u</a>

	<p>Lightning Activity Based on Schumann Resonance Measurements: Model Description and Synthetic Tests</p>	<p>Earth Sciences, Geodetic and Geophysical Institute, Hungarian Academy of Sciences, Sopron, Hungary; Bozóki, T., Research Centre for Astronomy and Earth Sciences, Geodetic and Geophysical Institute, Hungarian Academy of Sciences, Sopron, Hungary, Doctoral School of Environmental Sciences, University of Szeged, Szeged, Hungary; Sántori, G., Research Centre for Astronomy and Earth Sciences, Geodetic and Geophysical Institute, Hungarian Academy of Sciences, Sopron, Hungary; Williams, E., Parsons Laboratory, Massachusetts Institute of Technology, Cambridge, MA, United States;</p> <p>Yu, H., Institute of Information Science and Engineering, Harbin Institute of Technology, Weihai, China</p>				<p>PUBLICATION</p>	<p>NKFIH, K115836</p> <p>European Cooperation in Science and Technology, COST: CA15211</p> <p>Emberi Eroforrások Minisztériuma, EMMI</p>	<p>ri?eid=2-s2.0-85063270312&amp;doi=10.1029%2f2018RS006772&amp;partnerID=40&amp;md5=770973bc700b066443b92f1769480526</p>
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		Worked with Guha, A.,						
45	Crystal and Molecular Structure and DFT Calculations of the Steroidal Oxime 6E-Hydroximino-androst-4-ene-3,17-dione (C <sub>19</sub> H <sub>25</sub> NO <sub>3</sub> ) a Molecule with Antiproliferative Activity	Palmer, R.A., Department of Crystallography, Biochemical Sciences, Birkbeck College, University of London, Malet Street, London, WC1E 7HX, United Kingdom; Lisgarten, D.R., Biomolecular Research Group, School of Human and Life Sciences, Canterbury Christ Church University, North Holmes Road, Canterbury, Kent CT1 1QU, United Kingdom; Cockcroft, J.K., Department of Chemistry, University College London, Gower Street, London, WC1E 6BT, United Kingdom; Lisgarten, J.N., School of Science, University of Greenwich (Medway Campus), Chatham Maritime, Kent, ME4 4TB, United Kingdom; Talbert, R., Biomolecular Research Group, School of Human and Life Sciences, Canterbury Christ Church University, North Holmes Road, Canterbury, Kent	Acharya, P.C.,	2018-2019	1	JOINT RESEARCH PUBLICATION	Engineering and Physical Sciences Research Council, EPSRC: EP/K03930X/1	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056361823&amp;doi=10.1007%2fs10870-018-0747-x&amp;partnerID=40&amp;md5=4551c1f551424b4c76f8b2ab222fd105">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056361823&amp;doi=10.1007%2fs10870-018-0747-x&amp;partnerID=40&amp;md5=4551c1f551424b4c76f8b2ab222fd105</a>



		<p>CT1 1QU, United Kingdom; Dines, T., Carnegie Laboratory of Physics, University of Dundee, Dundee, DD1 4HN, United Kingdom;</p> <p>Bansal, R., University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, 160014, India;</p> <p>Suryan, A., University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, 160014, India</p> <p>Worked with Acharya, P.C.,</p>						
46	The formation and detection techniques of oxygen vacancies in titanium oxide-based nanostructures	<p>Sarkar, A., Centre for Research in Nanoscience and Nanotechnology, University of Calcutta, Salt Lake, Kolkata, West Bengal, 700106, India;</p> <p>Worked with Khan, G.G</p>	Khan, G.G	2018-2019	1	JOINT RESEARCH PUBLICATION	Department of Science and Technology, Ministry of Science and Technol	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061960707&amp;doi=10.1039%2fc8nr09666j&amp;partnerID=40&amp;md5=da5f89b5f29c24febd560c4215578bc9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061960707&amp;doi=10.1039%2fc8nr09666j&amp;partnerID=40&amp;md5=da5f89b5f29c24febd560c4215578bc9</a>

							ogy, India, डी एसटी: IFA12- ENG09	
							Science and Enginee ring Researc h Board, S ERB: SR/FTP/ ETA- 0142/20 14	
47	Enhancement of robustness of face recognition system through reduced gaussianity in Log-ICA	Bhattacharjee, D., Department of Computer Science and Engineering, Jadavpur University, Kolkata, 700032, India;  Dutta, P., Department of Computer and System Sciences, Visva-Bharati University, Santiniketan, West Bengal 731235, India, Worked with Bhowmik, M.K., Saha, P., Singha, A.	Bhowmik, M.K., Saha, P., Singha, A.	2018-2019	1	JOINT RESEARCH PUBLICATIO N	Depart ment of Science and Technol ogy, Ministry of Science and Technol ogy, India, डी एसटी	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053342352&amp;doi=10.1016%2fj.eswa.2018.08.047&amp;partnerID=40&amp;md5=d1a4499d4d4a2be9886c3c2b45610685">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053342352&amp;doi=10.1016%2fj.eswa.2018.08.047&amp;partnerID=40&amp;md5=d1a4499d4d4a2be9886c3c2b45610685</a>

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48	Suspicious-Region Segmentation From Breast Thermogram Using DLPE-Based Level Set Method	<p>Pramanik, S., Computer Science and Engineering Department, Jadavpur University, Kolkata, 700032, India;</p> <p>Banik, D., Computer Science and Engineering Department, Jadavpur University, Kolkata, 700032, India;</p> <p>Bhattacharjee, D., Computer Science and Engineering Department, Jadavpur University, Kolkata, 700032, India;</p> <p>Nasipuri, M., Computer Science and Engineering Department, Jadavpur University, Kolkata, 700032, India;</p> <p>Majumdar, G., Agartala Government Medical College, India, Regional Cancer Centre, Agartala, 799006, India</p>	Bhowmik, M.K.,	2018-2019	1	JOINT RESEARCH PUBLICATION	Department of Biotechnology, Government of West Bengal, DBT-WB: BT/533/NE/TBP/2014	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052653459&amp;doi=10.1109%2fTMI.2018.2867620&amp;partnerID=40&amp;md5=79ab6d3dd1666482b5bcb4af301a5cb5">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85052653459&amp;doi=10.1109%2fTMI.2018.2867620&amp;partnerID=40&amp;md5=79ab6d3dd1666482b5bcb4af301a5cb5</a>
49	Allometric models for	Nath, A.J., Department of Ecology and	Deb, S.,	2018-2019	1	JOINT RESEARCH	Department of	<a href="https://www.scopus.com/inward/record.u">https://www.scopus.com/inward/record.u</a>

	<p>estimation of forest biomass in North East India</p>	<p>Environmental Science, Assam University, Silchar, Assam, 788011, India;</p> <p>Tiwari, B.K., Department of Environmental Studies, North Eastern Hill University, Shillong, 793022, India;</p> <p>Sileshi, G.W., School of Agricultural, Earth and Environmental Sciences, University of Kwazulu-Natal, Pietermaritzburg, 4041, South Africa;</p> <p>Sahoo, U.K., Department of Forestry, Mizoram University, Aizawl, 796004, India;</p> <p>Brahma, B., Department of Ecology and Environmental Science, Assam University, Silchar, Assam, 788011, India;</p> <p>Devi, N.B., Department of Botany, Sikkim University, Gangtok, 737102, India; Das, A.K., Department of Ecology and Environmental Science, Assam</p>				<p>PUBLICATIO N</p>	<p>Science and Technology, Government of Kerala: AICP-AFOLU-1, DST/ISS-STAC/C02-SR-224/ 14</p> <p>Department of Science and Technology, DST</p>	<p>ri?eid=2-s2.0-85061269361&amp;doi=10.3390%2ff10020103&amp;partnerID=40&amp;md5=5428911cec54810de76f43d9f42cee39</p>
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		<p>University, Silchar, Assam, 788011, India;</p> <p>Reang, D., Department of Ecology and Environmental Science, Assam University, Silchar, Assam, 788011, India;</p> <p>Chaturvedi, S.S., Department of Environmental Studies, North Eastern Hill University, Shillong, 793022, India;</p> <p>Tripathi, O.P., Department of Forestry, North Eastern Regional Institute of Science and Technology, Itanagar, 791109, India;</p> <p>Das, D.J., Rain Forest Research Institute, Jorhat, 785010, India;</p> <p>Gupta, A., Department of Life Sciences, Manipur University, Imphal, 795003, India</p> <p>Worked with Deb, S.</p>						
50	Identifying corridors for landscape	Adhikari, D., Department of Botany, North-Eastern	Majumdar, K., Datta, B.K.,	2018-2019	1	JOINT RESEARCH	Pancreatic Cancer	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-">https://www.scopus.com/inward/record.u</a> <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-">ri?eid=2-s2.0-</a>

	connectivity using species distribution modeling of <i>Hydnocarpus kurzii</i> (King) Warb., a threatened species of the Indo-Burma Biodiversity Hotspot	Hill University, Shillong, 793022, India;  Barik, S.K., CSIR-National Botanical Research Institute, Lucknow, 226001, India worked with Majumdar, K., Datta, B.K.,				PUBLICATION	Canada Foundation, PCCF  Department of Biotechnology, Ministry of Science and Technology, India, DBT  Department of Biotechnology, Government of West Bengal, DBT-WB: BT/Env/BC/01/2010	85050176823&doi=10.1007%2fs11355-018-0353-2&partnerID=40&md5=ac9b1b5144b4767061d915033898c62e
51	Microbial recovery and recycling of	Ghosh, S., Centre for Biotechnology, Siksha O	Bal, B., Das, A.P.,	2018-2019	1	JOINT RESEARCH	Department of Science	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-">https://www.scopus.com/inward/record.uri?eid=2-s2.0-</a>

	manganese waste and their future application: a review	Anusandhan University, Bhubaneswar, India; Worked with Bal, B., Das, A.P.,				PUBLICATIO N	and Technol ogy, Govern ment of Kerala: SP/YO/0 31/2016	85054298246&doi=1 0.1080%2f01490451. 2018.1497731&partn erID=40&md5=2b474 a647e0b030f2b5c5d8 e5b17b48c
52	Cultivable bacterial community analysis of dairy activated sludge for value addition to dairy wastewater	Biswas T., Centre of Excellence in Environmental Technology and Management, Maulana Abul Kalam Azad University of Technology, Haringhata, Nadia, West Bengal, 741249, India; Chatterjee, D., Department of Biotechnology, Maulana Abul Kalam Azad University of Technology, Haringhata, Nadia, West Bengal, 741249, India; Barman, S., Department of Biotechnology, Maulana Abul Kalam Azad University of Technology, Haringhata, Nadia, West Bengal, 741249, India; Worked with Biswas T., Chakraborty A., Halder N., Banerjee S., Chaudhuri S.R.	Biswas T., Chakraborty A., Halder N., Banerjee S., Chaudhuri S.R.	2018-2019	1	JOINT RESEARCH PUBLICATIO N	Institute of Physics, IOP  Ministry of Trade, Industry and Energy, MOTIE: P00028 15  Korea Institute for Advance ment of Technol ogy, KIA T  Ministry of	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074134416&amp;doi=10.4014%2fmb.1901.01014&amp;partnerID=40&amp;md5=df88105d415c6fea72be8e7a22b844cb">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85074134416&amp;doi=10.4014%2fmb.1901.01014&amp;partnerID=40&amp;md5=df88105d415c6fea72be8e7a22b844cb</a>

							Human Resource Development, MHRD  Indian Institute of Science Education and Research Mohali, IISER	
53	Antibacterial effect of activated carbons prepared from some biomasses available in North East India	Saxena, R., Centre for Energy, Indian Institute of Technology Guwahati, Guwahati, India worked with Das, J., Debnath, C., Nath, H.	Das, J., Debnath, C., Nath, H.	2018-2019	1	JOINT RESEARCH PUBLICATION	Department of Biotechnology, Ministry of Science and Technology, India, DBT	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073778262&amp;doi=10.1080%2f15567036.2019.1656305&amp;partnerID=40&amp;md5=aa70ca3c8b366eff49cf26f6e616cc7e">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85073778262&amp;doi=10.1080%2f15567036.2019.1656305&amp;partnerID=40&amp;md5=aa70ca3c8b366eff49cf26f6e616cc7e</a>
54	Generalized rough lacunary statistical triple difference	Subramanian, N., Department of Mathematics, Sastra University, Thanjavur,	Debnath, S.,	2018-2019	1	JOINT RESEARCH PUBLICATION	Indian National Science Academy, INSA	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053534847&amp;doi=10.5269%2fbspm.v37i">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053534847&amp;doi=10.5269%2fbspm.v37i</a>



	sequence spaces in probability of fractional order defined by Musielak-Orlicz function	613 401, India worked with Debnath, S.,					Indian National Science Academy, INSA	1.32155&partnerID=40&md5=04e863168f2779021aba4f4347380d70
55	H(i) connected ditopological texture space	Saw, A.K., Mathematical sciences Division, Institute of Advanced Study in Science and Technology, Guwahati, Assam, 781035, India; Worked with Tripathy, B.C.,	Tripathy, B.C.,	2018-2019	1	JOINT RESEARCH PUBLICATION		<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053518220&amp;doi=10.5269%2fbspm.v37i1.34440&amp;partnerID=40&amp;md5=2ad506a4eae6b6cd328638fc710eff44">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85053518220&amp;doi=10.5269%2fbspm.v37i1.34440&amp;partnerID=40&amp;md5=2ad506a4eae6b6cd328638fc710eff44</a>
56	A mobile cloudlet assisted architecture for handling multimedia applications	Verma, R.K., Biju Patnaik University of Technology, India; Panigrahi, C.R., Rama Devi Women's University, India; Pati, B., Rama Devi Women's University, India worked with Sarkar, J.L.,	Sarkar, J.L.,	2018-2019	1	JOINT RESEARCH PUBLICATION		<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077621081&amp;doi=10.13053%2fCyS-23-4-3114&amp;partnerID=40&amp;md5=29f8e2658dae9aacf659ee5549ed9244">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077621081&amp;doi=10.13053%2fCyS-23-4-3114&amp;partnerID=40&amp;md5=29f8e2658dae9aacf659ee5549ed9244</a>
57	On I-statistically rough convergence	Savas, E., Department of Mathematics, Istanbul Commerce University, Istanbul, Turkey; Rakshit, D., Department of FST, ICFAI University, Tripura, West Tripura, India worked with	Debnath, S.,	2018-2019	1	JOINT RESEARCH PUBLICATION	Council of Scientific and Industrial Research, India, CS	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066125689&amp;doi=10.2298%2fPIM1919145S&amp;partnerID=40&amp;md5=b03a93cc0a25cd2e521dfe95b769b1df">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85066125689&amp;doi=10.2298%2fPIM1919145S&amp;partnerID=40&amp;md5=b03a93cc0a25cd2e521dfe95b769b1df</a>

		Debnath, S.,					IR: 25(0236 )/14/EM R-II  Banglad esh Council of Scientifi c and Industri al Researc h, BCSIR	
58	Damage Characteristics and Microstructure Response of Steel Alloy Q235B Subjected to Simulated Lightning Currents	Liu, Y., Department of Electrical Engineering, Shanghai Jiao Tong University, Shanghai, 200030, China;  Dai, M., Department of Electrical Engineering, Shanghai Jiao Tong University, Shanghai, 200030, China;  Gao, X., State Key Laboratory of Chemicals Safety, Sinopec Research Institute of Safety Engineering, Qingdao, 266000, China;	Guha, A.,	2018-2019	1	JOINT RESEARCH PUBLICATION	National Basic Research Program of China (973 Program): 2017YFC1501506	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061194684&amp;doi=10.1109%2fACCESS.2018.2890612&amp;partnerID=40&amp;md5=34bcdfd319100d3cc97d3ab8e5bdccf2">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85061194684&amp;doi=10.1109%2fACCESS.2018.2890612&amp;partnerID=40&amp;md5=34bcdfd319100d3cc97d3ab8e5bdccf2</a>

		Fu, Z., Department of Electrical Engineering, Shanghai Jiao Tong University, Shanghai, 200030, China Worked with Guha, A.,						
59	Understanding bacterial biofilm stimulation using different methods – A criterion for selecting epiphytes by plants	Ghosh, S., Department of Biotechnology, School of Biotechnology and Bioinformatics, DY Patil deemed to be University, Navi Mumbai, Maharashtra 400614, India;  Biswas T., Centre of Excellence in Environmental Technology and Management, Maulana Abul Kalam Azad University of Technology, West Bengal, Haringhata, Nadia, West Bengal 741249, India;  Sudarshan, M., Laboratory of Trace Elements, Inter University Consortium, Kolkata Centre, Sector III, LB-8, Bidhan Nagar, Kolkata, West Bengal 700098, India;	Bhushan, S., Gogoi, M., Bora, A., Ghosh, S., Barman, S.,	2018-2019	1	JOINT RESEARCH PUBLICATION	Ministry of Human Resource Development, MHRD	<a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070890946&amp;doi=10.4014%2fmb.1807.07012&amp;partnerID=40&amp;md5=5700cd58cd24cb264d3d101d062793e9">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85070890946&amp;doi=10.4014%2fmb.1807.07012&amp;partnerID=40&amp;md5=5700cd58cd24cb264d3d101d062793e9</a>

		<p>Thakur, A.R., Vice Chancellor's Office, Sister Nivedita University, DG1/2 New Town, Action area 1, Kolkata, West Bengal 700156, India;</p> <p>Mukherjee, I., Centre of Excellence in Environmental Technology and Management, Maulana Abul Kalam Azad University of Technology, West Bengal, Haringhata, Nadia, West Bengal 741249, India; Dey, S.K., Vice Chancellor's Office, Brainware University, 398, Ramkrishnapur Road, Barasat, Near Jagadighata Market, Kolkata, West Bengal 700125, India;</p> <p>Chaudhuri, S.R., Department of Microbiology, Tripura University, Suryamaninagar, Tripura, 799022, India</p>						
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		Worked with Bhushan, S., Gogoi, M., Bora, A., Ghosh, S., Barman, S.,						
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