



(On NH-60),
Mejia, Distt. Bankura
West Bengal.
Phone: +91-3241-250250
E-mail: kjrggdcmejia@gmail.com
Web: www.kjrggdc.ac.in

Details of research papers published by teaching faculties (all the present/ transferred/retired faculty members) in the Journals notified on UGC CARE list during the period January, 2018 to May, 2024. ([Link for re-directing to journal source-cite website of digital journals](#))

Sl. no.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Calend ar Year of publica tion	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (DOI) number	UGC Care listed
1	Geometry, vibrations and torsional potential of 1-phenyl naphthalene: A combined <i>ab-initio</i> and experimental study	N Biswas, G Dey , L Das, S. Das, N. Ruidas, A Chakrabarty	Physics	Journal of Molecular Structure	2024	222860	https://doi.org/10.1016/j.molstruc.2023.136844 .	YES
2	Stability and bifurcation analysis of an eco-epidemiological model with prey refuge.	Khan, Mahammad Yasin ; Samanta, Sudip; Sen, Prabir	Mathematics	Nonlinear Studies.	2024	1359-8678	https://openurl.ebsco.com/EPD/B%3Aagcd%3A6%3A14344198/detailv2?sid=ebsco%3Aplink%3Ascholar&id=ebsco%3Agcd%3A175977804&crl=c .	YES
3	Berthierine authigenesis as grain pseudomorph? A new insight from the early Maastrichtian Kallankurichchi Formation,	Choudhury, T. R., Srimani, S., Mondal, I. , Chakrabarty, A., Banerjee, S., & Sarkar, S.	Geology	Applied Clay Science	2024	107255	https://doi.org/10.1016/j.clay.2024.107255 .	YES
4	Seismic-Aseismic impact on marine depositional dynamics and sedimentary architecture: Study on multilayer - multiscale SSDS in Proterozoic Rohtas Limestone, India. In Sedimentary Geology	Mandal, S., Srimani S., Mondal, I. , Choudhuri A., Das, A., Das, K., Banerjee, S., Sarkar, S.	Geology	Sedimentary Geology	2024	106661	https://doi.org/10.1016/j.sedgeo.2024.106661 .	YES




Officer-in-Charge
Kabi Jagadram Roy Govt General Degree College
Mejia-722143 Dist-Bankura, W.B.



Government of West Bengal
Office of the Principal
Kabi Jagadram Roy Government General Degree College
MEJIA – 722143.

(On NH-60),
Mejia, Distt. Bankura
West Bengal.
Phone: +91-3241-250250
E-mail: kjrggdcmejia@gmail.com
Web: www.kjrggdc.ac.in

5	A Comprehensive Study of Picture Fuzzy Planar Graphs with Real-World Applications	Biswajit Bera, Sk Amanathulla, and Sanat Kumar Mahato	Mathematics	Journal of Uncertain Systems	2023	1752-8917	https://doi.org/10.1142/S1752890923500095 .	YES
6	A Seasonally Forced Eco-Epidemic Model with Disease in Predator and Incubation Delay.	Sen, P., Samanta, S., Khan, M. Y. , Mandal, S., & Tiwari, P. K.	Mathematics	Journal of Biological Systems.	2023	1793-6470	https://www.worldscientific.com/doi/abs/10.1142/S0218339023500328 .	YES
7	Absence of Belemnites in the Post-Cenomanian Marine successions of Cauvery Basin, India: Role of Sea Level, Paleogeography, and Belemnite Paleocology	Mondal, S., Hazra, S., Chakraborty, N.	Geology	Journal of Geological Society of India	2023	0016-7622	https://link.springer.com/article/10.1007/s12594-023-2285-1 .	YES
8	Mixed siliciclastic-carbonate sedimentation: A case study within Late Cretaceous Garudamangalam Sandstone Formation, Ariyalur, South India.	Chakraborty, N.,	Geology	Journal of Geointerface	2023	2583-6900	https://cehesh.in/contents/Dec2023vol2/GEOINTERFACE_Chakraborty.pdf .	YES
9	Study of the conformations and tautomerisation pathway in (Z)-4-(hydroxypropyl) isochroman-1, 3-dione: Analysis through energy, vibrational signatures and hardness profiles	Goutam Dey, A Chakraborty	Physics	Journal of Molecular Structure	2022	222860	https://www.sciencedirect.com/science/article/abs/pii/S0022286021022973 .	YES
10	L(2,1,1)-Labeling of Interval Graphs	Sk Amanathulla, Biswajit Bera and Madhumangal Pal	Mathematics	International Journal of Mathematics for Industry	2022	2661-3352	https://www.researchgate.net/publication/364303573_L_211-labeling_of_interval_graphs	YES
11	Molecular recognition, characterization and biological importance of tetrabutylammonium hexanitrate cerium (III) complex	Ghosh, Mithun Kumar; Chandraker, Sandip Kumar; Sikdar, Suranjan; Das, Chinmay; Ghorai, Tanmay Kumar;	Mathematics	Chemical Papers	2022	3259-3273	https://link.springer.com/article/10.1007/s11696-022-02091-6 .	YES



Handwritten signature

Officer-in-Charge
Kabi Jagadram Roy Govt. General Degree College
Mejia-722143 Dist-Bankura, W.B.



Government of West Bengal
Office of the Principal
Kabi Jagadram Roy Government General Degree College
MEJIA – 722143.

(On NH-60),
Mejia, Distt. Bankura
West Bengal.
Phone: +91-3241-250250
E-mail: kjrggdcmejia@gmail.com
Web: www.kjrggdc.ac.in

12	Formation of electron acoustic shock wave in inner magnetospheric plasma	Chandra, Swarniv; Goswami, Jyotirmoy; Sarkar, Jit; Das, Chinmay ; Nandi, Debapriya; Ghosh, Basudev;	Mathematics	Indian Journal of Physics	2022	3413-3427	https://link.springer.com/article/10.1007/s12648-021-02276-x .	YES
13	Forced KdV and envelope soliton in magnetoplasma with Kappa distributed ions	Sarkar, Jit; Chandra, Swarniv; Dey, Ankita; Das, Chinmay ; Marick, Aritra; Chatterjee, Prasanta;	Mathematics	IEEE Transactions on Plasma Science	2022	1565-1578	https://ieeexplore.ieee.org/document/9697908 .	YES
14	Homotopy study of spherical ion-acoustic waves in relativistic degenerate galactic plasma	Sarkar, Soumya; Sett, Anuradha; Pramanick, Suman; Ghosh, Tamal; Das, Chinmay ; Chandra, Swarniv;	Mathematics	IEEE Transactions on Plasma Science	2022	1477-1487	https://ieeexplore.ieee.org/document/9715046 .	YES
15	Rogue wave generation through nonlinear self-interaction of electrostatic waves in dense plasma	Dey, Ankur; Chandra, Swarniv; Das, Chinmay ; Mandal, Surajit; Das, Trisita;	Mathematics	IEEE Transactions on Plasma Science	2022	1557-1564	https://ieeexplore.ieee.org/document/9703246 .	YES
16	Semi-Lagrangian method to study nonlinear electrostatic waves in quantum plasma	Das, Chinmay ; Chandra, Swarniv; Chatterjee, Prasanta;	Mathematics	IEEE Transactions on Plasma Science	2022	1579-1584	https://ieeexplore.ieee.org/document/9755058 .	YES
17	Bifurcation analysis of eaws in degenerate astrophysical plasma: Chaos and multistability	Chandra, Swarniv; Kapoor, Sharry; Nandi, Debapriya; Das, Chinmay ; Bhattacharjee, Dayita;	Mathematics	IEEE Transactions on Plasma Science	2022	1495-1507	https://ieeexplore.ieee.org/document/9782129 .	YES
18	Multistability studies on electron acoustic wave in a magnetized plasma with supra-thermal ions	Swarniv Chandra, Rupanjan Banerjee, Jit Sarkar, Soureen	Mathematics	Journal of Astrophysics and Astronomy	2022	0973-7758	https://link.springer.com/article/10.1007/s12036-022-09835-6 .	YES



Handwritten signature

Officer-in-Charge
Kabi Jagadram Roy Govt. General Degree College
Mejia-722143 Dist-Bankura, W.B.



Government of West Bengal
Office of the Principal
Kabi Jagadram Roy Government General Degree College
MEJIA – 722143.

(On NH-60),
Mejia, Distt. Bankura
West Bengal.
Phone: +91-3241-250250
E-mail: kjrggdcmejia@gmail.com
Web: www.kjrggdc.ac.in

		Zaman, Chinmay Das, Subha Samanta, Farah DEEBA, Brahmananda Dasgupta						
19	Snowball Earth: A Critical Review on Neoproterozoic Glaciation	Nivedita Chakraborty	Geology	Journal of Geointerface(Open access peer reviewed)	2022	2583-6900	https://cehesh.in/contents/july2022vol1/8.Dr.Nivedita-p.55-62.pdf .	YES
20	Conformations and Tautomerisation between (Z)-4-(hydroxyethyl) isochroman-1, 3-dione and 4-acetyl-3-hydroxyisochroman-1-one: A computational study through Energy, electron distribution, Vibrational analysis and Hardness profiles.	Goutam Dey, A Chakraborty	Physics	Computational & Theoretical Chemistry	2021	2210-271X	https://doi.org/10.1016/j.comptc.2021.113486 .	YES
21	Conformational Landscape and Tautomerisation in (Z)-4-(hydroxymethylene) isochroman-1,3-dione: Analysis through Energy and Hardness profiles.	Goutam Dey, A Chakraborty	Physics	Journal of Molecular Structure	2021	222860	https://doi.org/10.1016/j.molstruc.2021.130859 .	YES
22	Real world applications of discrete mathematics	Sk Amanathulla, Biswajit Bera and Madhumangal Pal	Mathematics	Malaya Journal of Matematik	2021	2319-3786	https://www.malayajournal.org/index.php/mjm/article/view/993 .	YES
23	L(2,1,1)-Labeling of Circular-Arc Graphs	Sk Amanathulla, Biswajit Bera and Madhumangal Pal	Mathematics	Journal of Scientific Research	2021	2070-0237	https://www.worldscientific.com/doi/10.1142/S2661335222500034 .	YES
24	Balanced picture fuzzy graph with application	Sk Amanathulla, Biswajit Bera and Madhumangal Pal	Mathematics	Artificial Intelligence Review (Springer),	2021	0269-2821	https://link.springer.com/article/10.1007/s10462-021-10020-4 .	YES
25	Effects of exchange symmetry and quantum diffraction on amplitude-modulated electrostatic waves in quantum magnetoplasma	Das, Chinmay; Chandra, Swarniv; Ghosh, Basudev;	Mathematics	Pramana	2021	0973-7111	https://link.springer.com/article/10.1007/s12043-021-02108-x .	YES




Officer-in-Charge
Kabi Jagadram Roy Govt. General Degree College
Mejia-722143 Dist-Bankura, W.B.



Government of West Bengal
Office of the Principal
Kabi Jagadram Roy Government General Degree College
MEJIA – 722143.

(On NH-60),
Mejia, Distt. Bankura
West Bengal.
Phone: +91-3241-250250
E-mail: kjrggdcmejia@gmail.com
Web: www.kjrggdc.ac.in

26	Stationary structures in a four component dense magnetoplasma with lateral perturbations	Thakur, Souradeep; Das, Chinmay; Chandra, Swarniv;	Mathematics	IEEE Transactions on Plasma Science	2021	1545-1556	https://ieeexplore.ieee.org/document/9658306	YES
27	Nonlinear Wave-Wave Interaction in Semiconductor Junction Diode	Goswami, Jyotirmoy; Chandra, Swarniv; Das, Chinmay; Sarkar, Jit;	Mathematics	IEEE Transactions on Plasma Science	2021	1508-1517	https://ieeexplore.ieee.org/document/9618667 .	YES
28	Resonant interactions and chaotic excitation in nonlinear surface waves in dense plasma	Ghosh, Amit; Goswami, Jyotirmoy; Chandra, Swarniv; Das, Chinmay; Arya, Yash; Chhibber, Hema;	Mathematics	IEEE Transactions on Plasma Science	2021	1524-1535	https://ieeexplore.ieee.org/document/9537918 .	YES
29	Relationship of financial inclusion and physical quality of life: evidences from SAARC countries	Dr. Arindam Laha & Avishek Sen	Commerce	International Journal of Economic Policy in Emerging Economies	2021	1752-0460	https://www.inderscienceonline.com/doi/abs/10.1504/IJEPEE.2021.114961?journalCode=ijepee#:~:text=This%20paper%20attempts%20to%20examine,than%20the%20other%20way%20round.	YES
30	Financial Inclusion and Quality of Life: Empirical Evidences from Indian States with Special Reference to West Bengal	Avishek Sen & Dr. Arindam Laha	Commerce	Management and Labour Studies	2021	0258-042X	https://journals.sagepub.com/doi/abs/10.1177/0258042X211026150 .	YES
31	Tautomers of homophthalic anhydride in the ground and excited electronic states: analysis through energy, hardness and vibrational signatures.	Goutam Dey, A Chakrabarty	Physics	Journal of Molecular Modeling	2020	16102940	https://link.springer.com/article/10.1007/s00894-020-04411-7 .	YES
32	The Emergence of an Itinerant Ferromagnetic State in Co- Doped YNi5: A Critical Behavior Study of the Phase Transition, Vol. – 257(12), Page No. 2000273	Suraj Kumar Karmakar, S. Giri and S. Majumdar	Physics	Physica Status Solidi (B)	2020	3701972, 15213951	https://onlinelibrary.wiley.com/doi/abs/10.1002/pssb.202000273 .	YES




Officer-in-Charge
Kabi Jagadram Roy Govt. General Degree College
Mejia-722143 Dist-Bankura, W.B.



Government of West Bengal
Office of the Principal
Kabi Jagadram Roy Government General Degree College
MEJIA – 722143.

(On NH-60),
Mejia, Distt. Bankura
West Bengal.
Phone: +91-3241-250250
E-mail: kjrggdcmejia@gmail.com
Web: www.kjrggdc.ac.in

33	Origin and sequence stratigraphic implications of high-alumina glauconite within the Lower Quartzite, Vindhyan Supergroup	S Mandal, S Banerjee, S Sarkar, Indrani Mondal , TR Choudhury	Geology	Marine and Petroleum Geology (Elsevier)	2020	0264-8172	https://www.sciencedirect.com/science/article/abs/pii/S026481721930460X .	YES
34	Revisiting the boundary between the Lower and Upper Vindhyan, Son valley, India	S Mandal, A Choudhuri, Indrani Mondal , S Sarkar, PP Chakraborty, S Banerjee	Geology	Journal of Earth System Science (Springer)	2019	0973-774X	https://link.springer.com/article/10.1007/s12040-019-1250-2 .	YES
35	A nexus between environmental literacy, environmental attitude and healthy living	Aindrila Biswas	Commerce	Environmental Science and Pollution Research (Springer)	2019	1614-7499	https://link.springer.com/article/10.1007/s11356-019-07290-5 .	YES
36	Effect of Strategic Marketing on Sustainable Business Performance–A Study of Pharmaceutical Industries in India	Aindrila Biswas	Commerce	Indian Journal of Pharmaceutical Education and Research	2019	0019-5464	https://www.ijper.org/sites/default/files/IndJPhaEdRes_53_1_21.pdf .	YES
37	A nexus between environmental literacy, environmental attitude and healthy living	Aindrila Biswas	Commerce	Environmental Science and Pollution Research (Springer)	2019	1614-7499	https://link.springer.com/article/10.1007/s11356-019-07290-5 .	YES
38	Indigenous siliciclastic and extraneous polygenetic carbonate beds in the Albian-Turonian Karai Shale, Cauvery Basin, India	Chakraborty, N. , Mandal, A., Choudhuri, A., Mandal, S., Sarkar, S.,	Geology	Carbonates and Evaporites	2018	0891-2556	https://link.springer.com/article/10.1007/s13146-018-0419-0 .	YES
39	Syn-sedimentary tectonics and facies analysis in a rift setting: Cretaceous Dalmiapuram Formation, Cauvery Basin, SE India	Chakraborty, N. , Sarkar, S.,	Geology	Journal of Palaeogeography	2018	2095-3836	https://www.sciencedirect.com/science/article/pii/S2095383617300925 .	YES
40	Microenvironmental Constraint on $\delta^{13}\text{C}$ Depletion: Garudamangalam Sandstone, Cauvery Basin, India	Chakraborty, N. , Sarkar, S., Mandal, A., Mandal, S., Bumby, A.	Geology	Journal of Marine and Petroleum Geology	2018	0264-8172	https://www.sciencedirect.com/science/article/abs/pii/S0264817218300254 .	YES
41	Technology acceptance perception for promotion of sustainable consumption	Aindrila Biswas , Prof. Mousumi Roy	Commerce	Environmental Science and Pollution Research (Springer)	2018	1614-7499	https://link.springer.com/article/10.1007/s11356-017-0964-4 .	YES




Officer-in-Charge
Kabi Jagadram Roy Govt. General Degree College
Mejia-722143 Dist-Bankura, W.B.