



KATWA COLLEGE

(Affiliated to the University of Burdwan)

Principal's Office,

P.O.: Katwa, Dist.: Purba Bardhaman, West Bengal, PIN: 713130, India.

Mobile: +918101078393

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3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during last five years

HEI Input:

2023-24	2022-23	2021-22	2020-21	2019-20
22	27	15	24	12

DVV Suggested Input:

2023-24	2022-23	2021-22	2020-21	2019-20
11	08	07	12	09

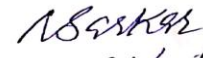
Change Input:

2023-24	2022-23	2021-22	2020-21	2019-20
11	10	08	12	07


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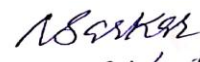
2019-20

Sl. Number	Title of Paper	Author	Department	Journal Name	ISSN Number	Year of Publ.
1.	Americium incorporation into studdite: a theoretical and experimental study.	Dr. Saptarshi Biswas	Chemistry	Dalton Transactions	1477-9234	2019
2.	Quaternary Bit-Swap Logic with QPSK Signal Using Four Wave Mixing	Dr. Sutanu Kumar Chandra	Physics	Journal of Optical Communications	2191-6322	2019
3.	Experimental and theoretical exploration of photophysics and trans-cis photoisomerization of styrylbenzene conjugated terpyridine complexes of Ru(II): Strong effect of deprotonation from second coordination sphere	Dr. Dinesh Maity	Chemistry	Journal of Photochemistry & Photobiology A: Chemistry	1873-2666	2020
4.	A STUDY ON THE MERGER OF PUBLIC SECTOR BANKS IN RECENT TIMES	Sk. Shakeel	Commerce	THE MANAGEMENT ACCOUNT	0972-3528	2020
5.	ROLE OF INTERNAL AUDIT IN MERGER AND ACQUISITION	Sk. Shakeel	Commerce	THE MANAGEMENT ACCOUNT	0972-3528	2020
6.	A Study on The Role of Environmental Accounting and Environmental Auditing in Achieving Sustainable Development	Sk. Shakeel	Commerce	THE MANAGEMENT ACCOUNT	0972-3528	2020
7.	Alternative Agriculture and Its Impact on Rural Economy of Selected Mouza of Nadia	Tanmoy Basu	Geography	Studies in Indian Place Names	2394-3114	2020


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	District, West Bengal					
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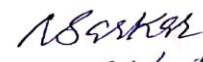
2020-21

Sl. Number	Title of Paper	Author	Department	Journal Name	ISSN Number	Year of Publ.
1	A STUDY ON THE IMPACT OF GST ON THE ECONOMY OF INDIA	Sk. Shakeel	Commerce	THE MANAGEMENT ACCOUNTANT	0972-3529	2020
2	A STUDY ON THE IMPACT OF COVID-19 LOCKDOWN ON SHARE PRICE	Sk. Shakeel	Commerce	THE CHARTERED ACCOUNTANT	0009-188X	2021
3	Carbon Nano Onions– Polystyrene Composite for Sensing S-Containing Amino Acids	Dr. Goutam Nandi	Chemistry	Journal of Composite Science	2504-477X	2020
4	A readily accessible porous organic polymer facilitates high-yielding Knoevenagel condensation at room temperature both in water and under solvent-free mechanochemical conditions	Dr. Goutam Nandi	Chemistry	Catalysis Communications	1566-7367	2021
5	Heteroleptic bipyridine complex: Synthesis, spectral and structural analyses, and interconversion of its {Mo3S7} core to {Mo3S4} core	Dr. Goutam Nandi	Chemistry	Journal of Molecular Structure	0022-2860	2021


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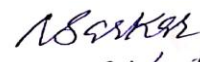
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6	Thermally stable and robust gadolinium-based metal-organic framework: Synthesis, structure and heterogeneous catalytic O-arylation reaction	Dr. Saptarshi Biswas	Chemistry	Polyhedron	0277-5387	2021
7	A trinuclear Zn(II) Schiff base azido compound: synthesis, structure and exploration of antimicrobial activity	Dr. Saptarshi Biswas	Chemistry	New Journal of Chemistry	1369-9261	2021
8	In silico prediction of the functional consequences of nsSNPs in human beta-catenin	Amallesh Mondal	Physiology	Gene Reports	2452-0144	2021
9	Long Run and Short Run Linkages Between Credit and Output: An Appraisal of the Districts of West Bengal in India	Bankim Ghosh	Economics	International Journal of Asian Business and Information Management	1947-9638	2021
10	Socio-Cultural Transformation of Santhals in Bolpur-Santiniketan of Birbhum District, West Bengal	Madhumita Sen	Geography	IJCRT	2320-2882	2021
11	Nonlinear structure formation of electron acoustic waves in plasmas	Akash Biswas	Mathematics	Physica Scripta	0031-8949	2020
12	Three-dimensional wave group dynamics of ion acoustic waves	Akash Biswas	Mathematics	Physics of Plasmas	1070-664X	2021


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	in electron-positron-ion plasmas in the presence of an external uniform magnetic field					
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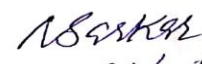
2021-22

Sl. Number	Title of Paper	Author	Department	Journal Name	ISSN Number	Year of Publ.
1	A Study On The Impact of COVID-19 Lockdown on Share Price of Selected Insurance Companies in India	Sk. Shakeel	Commerce	THE MANAGEMENT ACCOUNTANT	0972-3529	2021
2	Samayikatre Bankim Jibancharcha (1872-1922)	Dr. Rajesh Mandal	Bengali	Rabindra Bharati Patrika	1369-9261	2022
3	The Traditional craft of the Membranophones (Leather Drums) of North Indian Music; A case studies of the artisans and their folk technology	Anup Polley	History	CLIO	0976-075X	2022
4	ध्यानोपासनयोर्भेदाभेदविचारः (Dhyānopāsanayorbhedābhedāvichārah)	Prosanta Barman	Sanskrit	VYASASRIH	2320-2025	2022
5	AN ENQUIRY INTO THE STATUS OF ENGLISH MEDIUM SCHOOL AT KALYANI MUNICIPAL AREA IN NADIA DISTRICT OF WEST BENGAL	Arpan Das	B.Ed	IJRAR	2349-5138	2022
6	What determines the household decision to borrow for investment or repayment of old debt? The Indian story	Moumita Poddar Rana	Economics	International Journal of Information and Decision Science	1756-7025	2022


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7	Selective luminescent sensing of metal ions and nitroaromatics over a porous mixed-linker cadmium(ii) based metal-organic framework	Dr. Saptarshi Biswas	Chemistry	New Journal of Chemistry	1369-9261	2022
8	Solvent mediated photoluminescence responses over mixed-linker cadmium (II) based metal-organic frameworks	Dr. Saptarshi Biswas	Chemistry	Polyhedron	0277-5387	2021

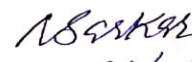
2022-23

Sl. Number	Title of Paper	Author	Department	Journal Name	ISSN Number	Year of Publ.
1	Income convergence among the districts of WB	Bankim Chandra Ghosh and Utpal Das	Economics and Commerce	Economic & Political Weekly	2349-5162	2022
2	Quality of life and habitability of Katwa Town, West Bengal: An analysis of residential satisfaction	Madhumita Sen and Toton Ghosh	Geography	Scope	1177-5653	2022
3	Grey Optical Dips in KMN model by First Integral Method	Debakinandan Majee	Physics	IJRAR	2348-1269	2022
4	Human Skills on Migrant Types- A State Level Study from India	Kinkini Bhattacharjee	Commerce	Rabindra Bharati University Journal of Economics	0975-802X	2022
5	Nonlinear electrostatic ion cyclotron wave collapse and formation of wave packets in the presence of trapped electrons	Akash Biswas	Mathematics	Physical Review E	2470-0045	2022
6	Excitation of ion acoustic collisionless shock by a moving	Akash Biswas	Mathematics	Physics of Plasmas	1873-2666	2022


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	obstacle					
7	Religious and Social Group Diversity in Borrowing and Spending Behaviour" Analysis of Survey results from rural West Bengal, India	Moumita Poddar Rana	Economics	ECONOMIC ANNALS	1820-7375	2023
8	Assessing Urban Flood Hazard Vulnerability Using Multi-Criteria Decision Making and Geospatial Techniques in Nabadwip Municipality, West Bengal in India	Tanmoy Basu	Geography	Atmosphere	2073-4433	2023
9	In silico analyses of Wnt1 nsSNPs reveal structurally destabilizing variants, altered interactions with Frizzled receptors and its deregulation in tumorigenesis	Amallesh Mondal	Physiology	Scientific Reports	2348-1269	2022
10	A STUDY ON THE IMPACT OF MERGER ON FINANCIAL PERFORMANCE OF PUBLIC SECTOR BANKS IN INDIA	SK SHAKEEL	Commerce	THE CHARTERED ACCOUNTANT	0009-188X	2023

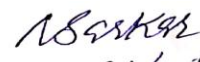
2023-24

Sl. Number	Title of Paper	Author	Department	Journal Name	ISSN Number	Year of Publ.
1	Impact of Electron-Withdrawing Effect on Sigma Hole Via Bromine-Based Interactions in Zn-5, 10, 15, 20-tetra (4-bromo-2, 6-difluoro Phenyl) Porphyrin	Dr. Goutam Nandi	Chemistry	Crystal Growth & Design	1528-7505	2023
2	Luminescent Ruthenium-Terpyridine Complexes Coupled with Stilbene-Appended Naphthalene, Anthracene, and Pyrene Motifs Demonstrate Fluoride Ion Sensing and Reversible Trans-Cis	Dr. Dinesh Maity	Chemistry	Inorganic Chemistry	0020-1669	2024


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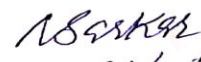
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	Photoisomerization					
3	Chemically Bonded Pepsin via Its Inert Center to Diazo Functionalized Silica Gel through Multipoint Attachment Mode: A Way of Restoring Biocatalytic Sustainability over "Wider pH" Range	Biswajit Hansda	Chemistry	Langmuir	0743-7463	2024
4	A Study on Avian Species Diversity in Purbasthali Oxbow Lake and Adjacent Areas, West Bengal, India	Subhasis Mandal	Botany	International Journal of Research and Analytical Reviews(IJRAR)	2348-1269	2023
5	Analysis of the Post-Cyclonic Physical Flood Susceptibility and Changes of Mangrove Forest Area Using Multi-Criteria Decision-Making Process and Geospatial Analysis in Indian Sundarbans	Tanmoy Basu	Geography	Atmosphere	2073-4433	2024
6	Analysis of the Shoreline Changes using Geoinformatics in Ghoramara Island of Hugli Estuary, West Bengal in India	Tanmoy Basu	Geography	Journal of King Saud University - Science	1018-3647	2024
7	Assessment of diversity of Odonata fauna in selected sites of Purba Bardhaman district, West Bengal, India	Sulagna Mukherjee	Zoology	Journal of Threatened Taxa	0974-7907	2024
8	Long-run and Short-run Dynamic Linkages Among Capacity Utilization, Inflation and Per Capita Income: Theoretical and Empirical Enquiries for Panel of Countries	Kinkini Bhattacharjee	Commerce	Global Business Review	0972-1509	2024
9	Three-dimensional nonlinear ion acoustic waves near critical density in magnetized negative ion plasmas	Akash Biswas	Mathematics	Waves in Random and Complex Media	1745-5049	2024
10	Sri Arobindo's Principles, Philosophy, Nationalism and Education: A Critique	Siuli Mandi	B.Ed	Journal of Namibian Studies	2197-5523	2023
11	Structures, electrical properties and catecholase-like activity of a series of new copper (II) coordination polymers supported by azido bridges	Dr. Abhijit Banerjee	Electronics	Journal of Molecular Structure	0022-2860	2024


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