



Balagarh Bijoy Krishna Mahavidyalaya

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3.3.1 Number of research papers published per teacher in the Journals notified on UGC CARE list during the last five years

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Calendar Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number			
						Link to website of the Journal	Link to article / paper / abstract of the article	Is it listed in UGC Care list	
Revealing hidden steering nonlocality in a quantum network	Dr Biswajit Paul	Mathematics	The European Physical Journal D	2022	1434-6079	https://www.springer.com/journal/10053	https://link.springer.com/article/10.1140/epjd/s10053-022-00469-5	Yes	https://bbkm.ac.in/assets/uploads/files/8191d-screenshot-8-.pdf
Nanomechanical behaviour of green ceramics: Mg(OH) ₂ and MgO	Dr Namrata Saha	Chemistry	Ceramics International	2022	1873-3956	www.elsevier.com/locate/ceramint	https://www.sciencedirect.com/science/article/abs/pii/S0272884222024920?via%3Dihub	yes	https://bbkm.ac.in/assets/uploads/files/88a7f-screenshot-5-.pdf
Any two-qubit state has nonzero quantum discord under global unitary operations	Dr Biswajit Paul	Mathematics	The European Physical Journal D	2021	1434-6079	https://www.springer.com/journal/10053	https://link.springer.com/article/10.1140/epjd/s10053-021-00055-1	Yes	https://bbkm.ac.in/assets/uploads/files/59f5d-screenshot-9-.pdf
Religion: A Subset of Dharma	Mousumi saha	Philosophy	Philosophical papers: Journal of the Department of Philosophy	2021	0976-4496	https://jpp.nbu.ac.in/home.aspx	https://ir.nbu.ac.in/handle/123456789/4099	Yes	https://bbkm.ac.in/assets/uploads/files/22cf8-screenshot-6-.pdf
Shareability of quantum steering and its relation with entanglement	Dr Biswajit Paul	Mathematics	Physical Review A	2020	2469-9926	https://journals.aps.org/pr/abstract/10.1103/PhysRevA.102.052209	https://journals.aps.org/pr/abstract/10.1103/PhysRevA.102.052209	Yes	https://bbkm.ac.in/assets/uploads/files/2dea1-screenshot-10-.pdf
Persistency of Genuine Correlations Under Particle Loss	Dr Biswajit Paul	Mathematics	Physical Review A	2020	2469-9926	https://journals.aps.org/pr/abstract/10.1103/PhysRevA.102.022401	https://journals.aps.org/pr/abstract/10.1103/PhysRevA.102.022401	Yes	https://bbkm.ac.in/assets/uploads/files/b9bce-screenshot-11-.pdf

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Detection of genuine tripartite entanglement in quantum network scenario	Dr Biswajit Paul	Mathematics	Quantum Information Processing	2020	1573-1332	https://link.springer.com/journal/11128	https://link.springer.com/article/10.1007/s11128-020-02750-1	Yes	https://bbkm.ac.in/assets/uploads/files/a2aa2-screenshot-12-.pdf
Characterizing quantum correlations in a fixed-input n-local network scenario	Dr Biswajit Paul	Mathematics	Physical Review A	2020	2469-9926	https://journals.aps.org/pr/about	https://journals.aps.org/pr/abstract/10.1103/PhysRevA.101.032328	Yes	https://bbkm.ac.in/assets/uploads/files/af11f-screenshot-13-.pdf
Advanced catalytic performance of amorphous MoS ₂ for degradation/reduction of organic pollutants in both individual and simultaneous fashion.	Dr Namrata Saha	Chemistry	ACS Appl. Nano Mater,	2018	0147-6513	https://www.sciencedirect.com/journal/ecotoxicology-and-environmental-safety/about/insights	https://doi.org/10.1016/j.ecoenv.2018.05.023	yes	https://bbkm.ac.in/assets/uploads/files/7d666-screenshot-4-.pdf
Newly Designed Amperometric Biosensor for Hydrogen Peroxide and Glucose Based on Vanadium Sulfide Nanoparticles. ACS Appl. Nano Mater, 2018	Dr Namrata Saha	Chemistry	ACS Appl. Nano Mater,	2018	0147-6514	www.acsanm.org	https://doi.org/10.1016/j.ceramint.2022.07.106	yes	https://bbkm.ac.in/assets/uploads/files/c41c7-screenshot-3-.pdf