



# GARHBETA COLLEGE

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**List of research papers published by the faculty members in the Journals notified on UGC CARE list / indexed in SCOPUS / Web of Science during 1<sup>st</sup> January, 2023 to 31<sup>st</sup> May, 2024:**

SL. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Calendar Year of publication	ISSN number	Is it listed in UGC Care list
1.	<i>Action graph of a semigroup act &amp; its functorial connection</i>	Promit Mukherjee, <b>Rajlaxmi Mukherjee</b> & Sujit Kumar Sardar	Mathematics	Categories and General Algebraic Structures with Applications	2023	Print: 2345-5853 Online: 2345-5861	Yes
2.	<b>LATTICE OF NEAR-RING CONGRUENCES ON SEMINEARRINGS</b>	Kamalika Chakraborty & <b>Rajlaxmi Mukherjee</b>	Mathematics	Bulletin of the Calcutta Mathematical Society	2023	0008-0659	Yes
3.	<b>A STUDY OF CONGRUENCES ON ADDITIVELY REGULAR NEAR-Gamma-SEMIRINGS</b>	<b>Rajlaxmi Mukherjee</b> , Pavel Pal & Manideepa Ghosh	Mathematics	Bulletin of the Calcutta Mathematical Society	2023	0008-0659	Yes
4.	<i>On full subdirect products of a bi-semilattice and a (zero-symmetric) near-ring</i>	<b>Rajlaxmi Mukherjee</b> , Kamalika Chakraborty & Sujit Kumar Sardar	Mathematics	Asian-European Journal of Mathematics	2023	Print: 1793-5571 Online: 1793-7183	Yes
5.	<i>Designed and synthesized de novo ANTPABA-PDI nanomaterial as an acceptor in inverted solar cell at ambient atmosphere</i>	Soumyadeep Mitra, Sudipta Ray, Narendra Nath Ghosh, Poulami Hota, Arnab Mukherjee, <b>Anirban Bagui</b> and Dilip K Maiti	Physics	Nanotechnology	2023	Print: 0957-4484 Online: 1361-6528	Yes
6.	<i>puruṣārthānām utsa-nirūpaṇam</i>	Baneswar Jana	Sanskrit	Kirnavali	2023	ISSN 0975-4067	Yes

7.	<i>A theoretical approach to study the thermal impact of the DC and RF characteristics of a MgZnO/ZnO HEMT</i>	<b>Saheb Chakraborty</b> , Radha Raman Pal & Sutanu Dutta	Physics	Journal of the Korean physical society	2024	Print: 0374-4884 Online: 1976-8524	Yes
8.	<i>Exploring anisotropic phases and spin transport in perovskite heterostructures: Insights into 3d/5d interfaces for antiferromagnetic spintronics</i>	<b>Suman Sardar</b> , Megha Vagadia, Tejas M. Tank, Jayaprakash Sahoo, D. S. Rana	Physics	Journal of Applied Physics	2024	Online ISSN: 1089-7550 Print ISSN: 0021-8979	Yes
9.	<i>Leavitt path algebra of the action graph of a semigroup act</i>	Promit Mukherjee, <b>Rajlaxmi Mukherjee</b> & Sujit Kumar Sardar	Mathematics	Asian-European Journal of Mathematics	2024	Print: 1793-5571 Online: 1793-7183	Yes
10.	<i>On the Electrical and Thermal Study of a MgZnO/ZnO HEMT for High Field Applications</i>	<b>Saheb Chakrabortya</b> , Radha Raman Pal & Sutanu Dutta	Physics	Indian Journal of Pure & Applied Physics	2024	ISSN:0019-5596 E- ISSN:0975-1041	Yes
11.	<i>A carbon sensitive transport-based deteriorating supply chain model under type-2 fuzzy bi-matrix game</i>	<b>Biswajit Roy</b> , Sujit Kumar De, Neelanjana Rajput & Ayush Bartwal	Mathematics	International Journal of Management Science and Engineering Management	2024	Print ISSN: 1750-9653 Online ISSN: 1750-9661	Yes
12.	<i>Cross sectional study on the association among hypertension with obesity indicators and dietary patterns of fishing community at coastal regions in India</i>	Sk Nazibar Rahaman, Swarnali Das, Sovan Samanta, Rubai Ahmed, Jhimli Banerjee, <b>SK Sahanawaz Alam</b> , Amitav Pal, Kazi Monjur Ali and Sandeep Kumar Dash	Botany	Clinical Epidemiology and Global Health	2024	2213-3984	Yes

13.	<b><i>Women Empowerment and Communication: Unveiling the Nexus</i></b>	<b>Tapan Kumar Rana</b> and Moupikta Mukherjee	English	International Journal of Cultural Studies and Social Sciences	2024	2347-4777	Yes
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