



# Sripat Singh College

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## RESEARCH PUBLICATION DURING 2020-2021

Sl. No.	Title of paper	Name of the author/s	Department	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number	Link to article / paper / abstract of the article
1	COVID-19 pandemic in India: a mathematical model study	Sudhanshu Kumar Biswas, Jayanta Kumar Biswas, Susmita Sarkar, Uttam Ghosh	Mathematics	Nonlinear Dyn	2020		<a href="https://doi.org/10.1007/s11071-020-05958-z">https://doi.org/10.1007/s11071-020-05958-z</a>	<a href="https://link.springer.com/article/10.1007/s11071-020-05958-z">https://link.springer.com/article/10.1007/s11071-020-05958-z</a>
2	YspD: A Potential Therapeutic Target for Drug Design to Combat Yersinia enterocolitica Infection	Debjani Mandal, Debabrata Mandal, Abhishek 3Basu	Molecular Biology and Biotechnology	International Journal of Peptide Research and Therapeutics	2020	1573-3904	<a href="https://doi.org/10.1007/s10989-019-09968-3">https://doi.org/10.1007/s10989-019-09968-3</a>	<a href="https://link.springer.com/article/10.1007/s10989-019-09968-3">https://link.springer.com/article/10.1007/s10989-019-09968-3</a>
3	Investigation of Host-Guest Inclusion Complexes of Cyclodextrin Molecules with a Biologically Potent Molecule by Physicochemical Approach	R4aja Gh5osh, Bino6y Chand7ra Saha, Arpita Maiti, Swarnab Sengupta, Arindam Bhattachajee, Mahendra Nath Roy	Chemistry	Journal of Chemical, Biological and Physical Sciences	2020	2249-1929	<a href="https://doi.org/10.24214/jcbps.A.11.1.01935">https://doi.org/10.24214/jcbps.A.11.1.01935</a>	<a href="https://jcbcs.org/">https://jcbcs.org/</a>

  
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4	A GENERALIZATION OF $\beta$ -COMPACT SPACE AND $\beta$ -PERFECT FUNCTIONS	B M Uzzal Afsan	Mathematics	J. Adv. Math. Stud.	2020		<a href="http://journal.fairpartners.ro">http://journal.fairpartners.ro</a>	
5	Bharater Nari Jagarane Gandhijir Abadan: Bartaman Poristhitir Nirikhe Parjalochana	Suraiya Yeasmin	Philosophy	Ebong Mohua	2020	NA	<a href="https://abcdindex.com/Journal/Ebong-Mahua-(print-only)-NA">https://abcdindex.com/Journal/Ebong-Mahua-(print-only)-NA</a>	
6	MORPHOMETRIC STUDY OF BALASUTI NADI (RIVER) BASIN IN GARHWAL HIMALAYA, UTTARAKHAND-INDIA USING GEOSPATIAL TECHNOLOGY	Gopinath Patra, Sucheta Mukherjee and V. C. Jha	Geography	The Goa Geographer	2020	0976-786X		<a href="https://www.researchgate.net/publication/372189409_MORPHOMETRIC_STUDY_OF_BALASUTI_NADI_RIVER_BASIN_IN_GARHWAL_HIMALAYA_UTTARAKHAND-INDIA_USING_GEOSPATIAL_TECHNOLOGY">https://www.researchgate.net/publication/372189409_MORPHOMETRIC_STUDY_OF_BALASUTI_NADI_RIVER_BASIN_IN_GARHWAL_HIMALAYA_UTTARAKHAND-INDIA_USING_GEOSPATIAL_TECHNOLOGY</a>
7	Babu Sanaskriti Theke Gano Sanaskritite Uttoron: Vab o Vabnar Mule Kamkrishna Moth o Missoner Adorsha	Swapan Kumar Sarkar	History	Eobng Mouhua	2020		<a href="https://abcdindex.com/Journal/Ebong-Mahua-(print-only)-NA">https://abcdindex.com/Journal/Ebong-Mahua-(print-only)-NA</a>	
8	Interior volume and entropy of higher-dimensional charged black holes	Amritendu Halder and Ritabrata Biswas	Physics	EPL.	2021	0295-5075 (print) 1286-4854 (web)	<a href="https://doi.org/10.1209/0295-5075/128/30007">https://doi.org/10.1209/0295-5075/128/30007</a>	<a href="https://iopscience.iop.org/article/10.1209/0295-5075/128/30007">https://iopscience.iop.org/article/10.1209/0295-5075/128/30007</a>

  
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9	Synthesis and characterization of an industrially significant ionic liquid and its inclusion complex with $\beta$ -cyclodextrin and its soluble derivative for their advanced applications	Raja Ghosh, Niloy Roy, Subhadeep Saha, Samir Das, Biraj Kumar Barman, Debadrita Roy, Vikas Kumar Dakua, Mahendra Nath Roy	Chemistry	Chemical Physics Letters	2021	0009-2614	<a href="https://doi.org/10.1016/j.cplett.2021.138401">https://doi.org/10.1016/j.cplett.2021.138401</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0009261421000841?via%3DIuhub">https://www.sciencedirect.com/science/article/abs/pii/S0009261421000841?via%3DIuhub</a>
10	Strongly antireflective nano-textured Ge surface by ion-beam induced self-organization	Debi Prasad Datta, Tapobrata 11 Som	Physics	Solar Energy	2021	Print ISSN: 0038-092X. Online ISSN: 1471-1257	<a href="https://doi.org/10.1016/j.soler.2021.05.016">https://doi.org/10.1016/j.soler.2021.05.016</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0038092X21003790">https://www.sciencedirect.com/science/article/abs/pii/S0038092X21003790</a>
11	FUZZY CONDITIONAL TOPOLOGICAL ENTROPY	B 12M Uzzal Afsan	Mathematics	J. Adv. Math. Stud.	2021	Print Edition: ISSN 2065-3506 Online Edition: ISSN 2065-5851	<a href="http://journal.fairpartners.ro">http://journal.fairpartners.ro</a>	
12	WEAKLY FUZZY TOPOLOGICAL ENTROPY	B M Uzzal Afsan	Mathematics	Mathematica Bohemica	2021	ISSN: 0862-7959 eISSN: 2464-7136	<a href="https://doi.org/10.21136/MB.2021.0073-20">https://doi.org/10.21136/MB.2021.0073-20</a>	<a href="https://articles.math.cas.cz/10.21136/MB.2021.0073-20">https://articles.math.cas.cz/10.21136/MB.2021.0073-20</a>

  
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