



Sripat Singh College

(Estd. 1949. Govt. Sponsored)

P.O.: Jiaganj • Dist. Murshidabad • West Bengal-742123


Phone: (03483) 255351, Tele Fax: (03483) 256961,

www.sripatsinghcollege.edu.in E-mail: sscollege2009@gmail.com

Date:

RESEARCH PUBLICATION DURING 2022-2023

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 website of the Journal	Link to article / paper / abstract of the article
1	Book Review – Tidwell, C., & Soles, C. (Eds). (2021). Fear and Nature: Ecohorror Studies in the Anthropocene.	Tohidur Rahaman	English	Journal of Ecohumanism	2022	2752-6801	https://doi.org/10.33182/joe.v1i2.2161	https://ecohumanism.co.uk/joe/ecohumanism/article/view/2161	
2	Extension of thermodynamics of the Kerr Sen black hole under general uncertainty principle along with first-order corrected entropy	Amritendu Haldar, Ritabrata Biswas and Buddhadeb Ghosh	Physics	Modern Physics Letters A	2022	0217-7323 (print) 1793-6632 (online)	https://doi.org/10.1142/S0217732322501310	https://www.worldscientific.com/doi/abs/10.1142/S0217732322501310	
3	Thermodynamic studies of the rainbow gravity-inspired higher-dimensional Schwarzschild black hole: Snyder de Sitter model	Amritendu Haldar and Anendu Haldar	Physics	Modern Physics Letters A	2022	0217-7323 (print) 1793-6632 (online)	https://doi.org/10.1142/S0217732322501425	https://www.worldscientific.com/doi/abs/10.1142/S0217732322501425	


DR. KAMAL KRISHNA SARKA
Principal
Sripat Singh College
Jiaganj, Murshidabad



Sripat Singh College

(Estd. 1949. Govt. Sponsored)

P.O.: Jiaganj • Dist. Murshidabad • West Bengal-742123

Phone: (03483) 255351, Tele Fax: (03483) 256961,

www.sripatsinghcollege.edu.in E-mail: sscollege2009@gmail.com

Date:

4	Mathematical modelling of COVID- 19: A case study of Italy	Jayanta Kumar Biswas, Sudhanshu Kumar Biswas, Susmita Sarkar, Uttam Ghosh	Mathematics	Mathematics and Computers in Simulation	2022		https://doi.org/10.1016/j.matcom.2021.11.008	https://www.sciencedirect.com/science/article/pii/S0378475421004043
5	Isolation and Identification of Arsenic Hyper Tolerant Bacterium with Potential Plant Growth Promoting Properties from Soil	Debjani Mandal, Mina Aghababaei, Sadhan Kr Das, Santanu Majumder, Debashis Chatterjee and Abhishek Basu	Molecular Biology and Biotechnology	Minerals	2022	2075-163X	https://doi.org/10.3390/min12111452	https://www.mdpi.com/2075-163X/12/11/1452
6	Small Molecular Antimicrobial Ligands of YspD are Potential Therapeutic Agents Against Yersinia enterocolitica Infection	Debjani Mandal, Raktim Mukherjee, Shrabana Ghosh, Tamanna Bachhawat, Sneha Dutta, Urmisha Das, Abhishek Basu	Molecular Biology and Biotechnology	Proceedings of the National Academy of Sciences, India - Section B	2022	2250-1746	https://doi.org/10.1007/s40011-022-01443-2	https://link.springer.com/article/10.1007/s40011-022-01443-2
7	The Permanent Settlement in Operation : Invisible Forces for Visible Changes	Sagar Simlandy	History	CLIO- An Annual Interdisciplinary Journal of Magazine	2022	0976-075X	https://www.pfw.edu/cli/o/	
8	An SEQAIHR model to study COVID-19 transmission and optimal control strategies in Hong Kong, 2022	Pritam Saha, Sudhanshu Kumar Biswas, Md. Haider Ali Biswas, Uttam Ghosh	Mathematics	Nonlinear Dynamics	2023		https://doi.org/10.1007/s11071-022-08181-0	https://link.springer.com/article/10.1007/s11071-022-08181-0
9	INDIAN ETHOS, EXPRESSIONS AND SENSIBILITY IN THE DIASPORIC CONTEXT: A STUDY OF INDIANNESS IN ANITA RAU BADAMI'S TAMARIND MEM	Enamul Kabir Pasa	English	ATISHYA KALIT	2023	2277-419X	https://atishyakalit.in/	


DR. KAMAL KRISHNA SARKA
Principal
Sripat Singh College
Jiaganj, Murshidabad



Sripat Singh College

(Estd. 1949. Govt. Sponsored)


P.O.: Jiaganj • Dist. Murshidabad • West Bengal-742123

Phone: (03483) 255351, Tele Fax: (03483) 256961,

www.sripatsinghcollege.edu.in E-mail: sscollege2009@gmail.com

Date:

10	Geomorphology and its Roll in the Millennium: A Review Justifying its Scope for Achievement of UN SDGs 2030	Sucheta Mukherjee	Geography	Indian Journal of Spatial Science	2023	ISSN 2249 - 3921 and EISSN 2249 - 4316	https://www.indianss.org/ijss/	
11	Identification of microbiogeochemical factors responsible for arsenic release and mobilization, and isolation of heavy metal hyper-tolerant bacterium from irrigation well water: a case study in Rural Bengal	Sandipan Barman, Debjani Mandal, Pinaki Ghosh, Ayan Das, Madhurina Majumder, Debankur Chatterjee, Debashis Chatterjee, Indranil Saha, Abhishek Basu	Molecular Biology and Biotechnology	Environment, Development and Sustainability	2023	1573-2975	https://doi.org/10.1007/s10668-023-02914-w	https://link.springer.com/article/10.1007/s10668-023-02914-w
12	A mathematical model of Zika virus transmission with saturated incidence and optimal control: A case study of 2016 zika outbreak in Puerto Rico	Sudhanshu Kumar Biswas, Uttam Ghosh, Susmita Sarkar	Mathematics	International Journal of Modelling and Simulation	2023		https://doi.org/10.1080/02286203.2022.2163834	https://www.tandfonline.com/doi/full/10.1080/02286203.2022.2163834
13	Orbital Dynamics Of The Charged Particle In The Gravitational Field Of Kehagias – Sftesos Black Hole In Horova -Lifshitz Gravity In Presence Of External Magnetic Field	Prosanta Mandal	Mathematics	International Journal of Theoretical Physics	2023	0020-7748 (print); 1572-9575 (web)	https://doi.org/10.1007/s10773-023-05392-y	https://link.springer.com/article/10.1007/s10773-023-05392-y
14	Advancing perspectives in geomorphology — An apotheosis to sustainable natural spaces and eudaemonic citizenry in the 21st century	Dr. Sucheta Mukherjee	Geography	SOCIEDADE & NATUREZA	2023	e-ISSN: 1982-4513		https://www.semanticscholar.org/paper/Advancing-perspectives-in-geomorphology-%E2%80%93-An-to-and-Mukherjee/d6a19c320c9244a8548d377e98b183e42aee779c


DR. KAMAL KRISHNA SARKA
Principal
Sripat Singh College
Jiaganj, Murshidabad



Sripat Singh College

(Estd. 1949. Govt. Sponsored)


P.O.: Jiaganj • Dist. Murshidabad • West Bengal-742123

Phone: (03483) 255351, Tele Fax: (03483) 256961,

www.sripatsinghcollege.edu.in E-mail: sscollege2009@gmail.com

Date:

15	Thermodynamic studies of a rotating polytropic black hole: Outer and interior regions	Amritendu Halder and Anendu Halder	Physics	EPL.	2023	0295-5075 (print) 1286-4854 (web)	https://doi.org/10.1209/0295-5075/acc47e	https://iopscience.iop.org/article/10.1209/0295-5075/acc47e/meta
16	Entropy inside the Kerr–Sen black holes	Amritendu Halder	Physics	New Astronomy	2023	1384-1076	https://doi.org/10.1016/j.newast.2023.102082	https://www.sciencedirect.com/science/article/abs/pii/S1384107623000830?via%3Dihub
17	A Modernist Reading of D.H. Lawrence’s Short Story Sun	Enamul Kabir Pasa	English	Atishay Kalit	2023	2277-419X	https://atishaykalit.in/	
18	Modulation of Grain Boundary conductance of nanocrystalline SnO ₂ film by electrostatically induced carriers	Rajesh Mandal, Dilip Sao, Saraswati Mandi, Subhamay Pramanik, Shahnewaz Mondal, Biswanath Mukherjee, Probodh K. Kuri, Rajib Nath	Physics	Physica B: Condensed Matter	2023	0921-4526	https://doi.org/10.1016/j.physb.2023.414837	https://www.sciencedirect.com/science/article/abs/pii/S0921452623002041?via%3Dihub
19	The Role of Mahatma Gandhi in Vaikom Satyagraha : A Study	Sagar Simlandy	History	Journal of The Oriental Institute	2023	0030-5324	https://connectjournals.com/subscription_info.php?bookmark=CJ-001922	
20	Oponibeshik Amole Birbhumer Reshamshilpo	Sagar Simlandy	History	Nibodhata	2023	0972-4877	https://srisaradamath.org/nibodhata.php	


DR. KAMAL KRISHNA SARKA
Principal
Sripat Singh College
Jiaganj, Murshidabad



Sripat Singh College

(Estd. 1949. Govt. Sponsored)


P.O.: Jiaganj • Dist. Murshidabad • West Bengal-742123

Phone: (03483) 255351, Tele Fax: (03483) 256961,

www.sripatsinghcollege.edu.in E-mail: sscollege2009@gmail.com

Date:

21	Thermodynamics under the extended uncertainty principle background: Q – ϕ criticality analysis	Amritendu Halder and Anendu Halder	Physics	New Astronomy	2023		https://doi.org/10.1016/j.newast.2023.102111	https://www.sciencedirect.com/science/article/pii/S1384107623001124?via%3Dihub
22	Nil Bidraha Prosonge	swapan Kumar Sarkar	History	Nibodhoto	2023	0972-4877	https://srisaradamath.org/nibodhata.php	
23	Thermodynamic Studies with Higher-Order Quantum Corrected Entropy: Higher Dimensional Gauss-Bonnet Black Holes	Amritendu Halder and Anendu Halder	Physics	International Journal of Theoretical Physics	2023	0020-7748 (print); 1572-9575 (web)	https://doi.org/10.1007/s10773-023-05478-7	https://link.springer.com/article/10.1007/s10773-023-05478-7
24	Bangla Sahityer Itihas Charchai Sampadak O Otihashik Anisujjaman	Tanmoy Malakar	Bengali	Tabu Ekolabya	2023	0976-9463	https://portal.issn.org/source/ISSN/0976-9463	
25	Dynamics of Neutral and Charged Particle in the Gravitational field of Reissner-Nordstrom Black Hole in the Presence of External Magnetic Field and Dark Energy	Prosanta Mandal	Mathematics	Journal of Physical Studies	2023	2310-0052 (online), 1027-4642 (print)	https://doi.org/10.30970/jps.27.4901	https://physics.lnu.edu.ua/jps/2023/4/abs/a4901-14.html
26	Physicochemical studies of some bioactive molecules in aqueous solution of tetrabutylammonium methanesulphonate (TBAMS) to investigate assorted molecular interaction at different temperatures simultaneously optimized by computational approach	Ayesha Hossain, Modhusudan Mondal, Biplab Rajbanshi, Ajit Tudu, Priyanka Roy, Firoj Alam, Sukdev Majumder, Anindita Poddar, Subhankar Choudhury, Raja Ghosh, Pranish Bomzan, Mahendra Nath Roy	Chemistry	Journal of Molecular Liquids 395 (2024) 123818	2023		https://doi.org/10.1016/j.molliq.2023.123818	https://www.sciencedirect.com/science/article/abs/pii/S0167732223026259


DR. KAMAL KRISHNA SARKA
Principal
Sripat Singh College
Jiaganj, Murshidabad



Sripat Singh College

(Estd. 1949. Govt. Sponsored)


P.O.: Jiaganj • Dist. Murshidabad • West Bengal-742123

Phone: (03483) 255351, Tele Fax: (03483) 256961,

www.sripatsinghcollege.edu.in E-mail: sscollege2009@gmail.com

Date:

27	Controlling Charge Carrier Dynamics in Porphyrin Nanorings by Optically Active Templates	Shrabanti Mondal, Uttam Chowdhury, Subhajit Dey, Md Habib, Carlos Mora Perez, Thomas Frauenheim, Ritabrata Sarkar, Sougata Pal, and Oleg V. Prezhdo	Chemistry	J. Phys. Chem. Lett. 2023, 14	2023		https://doi.org/10.1021/acs.jpcllett.3c03304	https://pubs.acs.org/doi/10.1021/acs.jpcllett.3c03304
----	--	---	-----------	-------------------------------	------	--	---	---


DR. KAMAL KRISHNA SARKA
Principal
Sripat Singh College
Jiaganj, Murshidabad