



HALDIA GOVERNMENT COLLEGE

Estd. 1988

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(First Government General Degree College in Purba Medinipur, West Bengal)

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Criterion 3 – Research, Innovations and Extension

Metric No.: 3.3.1[Q_nM]

Link to the uploaded papers, the first page/full paper (with author and affiliation details) on the institutional website

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

Sl No.	Title of paper	Name of the author/s	Department of the teacher	Link
1	Continuity and Change among the Koras of Bindukata: An Ethnographic Re-analysis	Arun Makal, Abhradip Banerjee, Krishnendu Polley, Bhupon Mohan Das	Anthropology	FULL ARTICLE
2	The Urban Space as an Environmental Problem: Re-Reading T. S. Eliot's Preludes	SRIMANTA DAS	English	FULL ARTICLE
3	JOHN KEATS' TO AUTUMN: AN ECOCRITICAL READING	SRIMANTA DAS	English	FULL ARTICLE
4	From Political Anthropology to Anthropology of Politics: An Introduction	Priti Bhowmick and Pinaki Dey Mullick	Anthropology	FULL ARTICLE
5	An EPQ model with variable production rate and markdown policy for stock and sales price sensitive demand with deterioration	Dr. Monami Das Roy	Mathematics	FULL ARTICLE
6	A Nonlinear EOQ Model for Time-dependent Demand, Deterioration and Shortages with Inflation.	Dr. Monami Das Roy	Mathematics	FULL ARTICLE
7	Prey-Predator Model with General Holling Type Response Function and Optimal Harvesting Policy	Dr. Dipankar Sadhukhan	Mathematics	FULL ARTICLE
8	The Dimensions of Fieldnotes in Ethnographic Research: An Introduction	Pinaki Dey Mullick and Koel Mukherjee	Anthropology	FULL ARTICLE
9	Synthesis and crystal structure of new copper(II) metal complex: Noncovalent interactions and electrical conductance properties	S. Pathak, K. Chakraborty, S. Ghosh, K. Roy, B. Jana, S. Konar	Chemistry	FULL ARTICLE
10	Noncovalent interactions and electrical conductance study of copper(II) coordination complex derived from 2,6-pyridinedicarboxylic acid and aminopyrimidine ligands	S. Pathak, K. Chakraborty, S. Ghosh, S. Das, S. Chatterjee, K. Samanta, S. Konar	Chemistry	FULL ARTICLE
11	"Ni(II) dimers of NNO donor tridentate reduced schiff base ligands as alkali metal ion capturing agents: syntheses, crystal structures and magnetic properties"	M. Mondal, M. Chakraborty, M. G. B. Drew and A. Ghosh,	Chemistry	FULL ARTICLE
12	Thermal stability of black holes with arbitrary hairs	Aloke Kumar Sinha	Physics	FULL ARTICLE

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13	Thermal fluctuations and correlations among hairs of a stable quantum black hole: Some examples	Aloke Kumar Sinha,	Physics	FULL ARTICLE
14	Terpyridine derivatives as “turn-on” fluorescence chemosensors for the selective and sensitive detection of Zn ²⁺ ions in solution and in live cells	T. Mandal, A. Hossain, A. Dhara, A. A. Masum, S. Konar, S. K. Manna,* S. K. Seth, S. Pathak*and S. Mukhopadhyay	Chemistry	FULL ARTICLE
15	An Ethnographic Note on the Dimensions of ‘Identity’ and ‘Self’ in the Space of Virtual World	Priti Bhowmick and Pinaki Dey Mullick	Anthropology	FULL ARTICLE
16	Operation of Kelvin Effect in the Activities of an Antifreeze Protein: A Molecular Dynamics Simulation Study.	U. S. Midya, S. Bandyopadhyay	Chemistry	FULL ARTICLE
17	Role of Polar and Nonpolar Groups in the Activity of Antifreeze Proteins: A Molecular Dynamics Simulation Study	U. S. Midya, S. Bandyopadhyay	Chemistry	FULL ARTICLE
18	Rhodamine-Appended Benzophenone Probe for Trace Quantity Detection of Pd ²⁺ in Living Cells	A. K. Adak, B. Dutta, S. K.Manna, and C. Sinha	Chemistry	FULL ARTICLE
19	Structures, Photoresponse Properties, and Biological Activity of Dicyano-Substituted 4-Aryl-2-pyridone Derivatives	T. Mandal, S. Pathak, A. Dey, M. M. Islam, S. K. Seth, A. A. Masum, J. Ortega-Castro, P. P. Ray, A. Frontera*, and S. Mukhopadhyay*	Chemistry	FULL ARTICLE
20	Nucleophilic rhodanine, thiazolidine-2,4-dione and thiazol-4(5H)-one substrates in asymmetric reactions	S. Paladhi, B. Jana, S. Pathak, S. K. Manna	Chemistry	FULL ARTICLE
21	Recent Developments in Fluorometric and Colorimetric Chemodosimeters Targeted towards Hydrazine Sensing: Present Success and Future Possibilities	S. K. Manna, A. Gangopadhyay, K. Maiti, S. Mondal, and A. K. Mahapatra	Chemistry	FULL ARTICLE
22	Quasi stable black holes and their implications	Aloke Kumar Sinha	Physics	FULL ARTICLE
23	Conserving the Sacred Lake: People, perception of Kechopalri lake in West Sikkim	Hasibul Rahaman	Sociology	FULL ARTICLE

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24	Analysis of Urban Growth and its Impact on Environmental Resources: A case study of Haldia Urban Area in West Bengal.	Pijush Kanti Tripathi	Geography	FULL ARTICLE
25	Formation of a carbonato bridged Ni ⁴ -complex by atmospheric CO ₂ fixation: Crystal structure and magnetic properties.	M. Mondal, J. Mayans and A. Ghosh	Chemistry	FULL ARTICLE
26	An Ethnographic Perception on the Consequences of Social Capital, Flood, Resilience, and Disaster Issues in a Rural Setting of West Bengal, India.	Pinaki Dey Mullick, Priti Bhowmick, Kundan Ghosh and Paramita Sen	Anthropology	FULL ARTICLE
27	An Introductory Exposition of Symbolic Anthropology	Pinaki Dey Mullick, Kundan Ghosh and Paramita Sen	Anthropology	FULL ARTICLE
28	Integrated Supply Chain Model with Setup Cost Reduction, Exponential Lead Time Crashing Cost, Rework and Uncertain Demand.	Dr. Monami Das Roy	Mathematics	FULL ARTICLE
29	Preservation technology investment policy-an inventory model with stock-dependent demand, time-varying holding cost and exponential partial backlogging	Dr. Monami Das Roy	Mathematics	FULL ARTICLE
30	Disaster, Flood, and Ethnography: The Dimensions from Rural West Bengal.	Pinaki Dey Mullick	Anthropology	FULL ARTICLE
31	Single Species Discrete Age-Structured Population with Variable Fraternity and Age-Dependent Harvesting in Unreserved Area	Dr. Dipankar Sadhukhan	Mathematics	FULL ARTICLE
32	Elucidation on the Problems of Job Oriented Training Courses in Rural Bengal	Salil Kumar Dutta	Anthropology	FULL ARTICLE
33	Anthropology and School Education in Indian Context: An Outline	Pinaki Dey Mullick	Anthropology	FULL ARTICLE
34	Towards The Trends and Horizons of Disaster and Anthropology: A Brief Outline	Paramita Sen and Pinaki Dey Mullick	Anthropology	FULL ARTICLE
35	Synthetic and structural investigations of Cd(II) complexes of tetradentate pyrimidine based Schiff base ligand: Insight through non-covalent interactions, TDDFT calculation and Hirshfeld surface analysis	S. Konar, S. K. Datta, M. Dolai, A. Das, S. Pathak, S. Chatterjee, K. Das	Chemistry	FULL ARTICLE

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36	Fluorescence sensing and intracellular imaging of Pd ²⁺ ions by a novel coumarinyl-rhodamine Schiff base	A. K. Adak, R. Purkait, S. K. Manna, B. C. Ghosh, S. Pathak and C. Sinha	Chemistry	FULL ARTICLE
37	A colorimetric and “off–on” fluorescent Pd ²⁺ chemosensor based on a rhodamine-ampyrone conjugate: synthesis, experimental and theoretical studies along with in vitro applications	S. Mondal, S. K. Manna, S. Pathak, A. A. Masum and S. Mukhopadhyay	Chemistry	FULL ARTICLE
38	Structures, photoresponse properties and DNA binding abilities of 4-(4-pyridinyl)-2-pyridone salts	T. Mandal, A. Dey, S. Pathak, M. M. Islam, S. Konar, J. Ortega-Castro, S. K.Seth, P. P. Ray, A. Frontera and S. Mukhopadhyaya	Chemistry	FULL ARTICLE
39	Simulating micro-scale thermal interactions in different building environments for mitigating urban heat islands	Soumendu Chatterjee, Ansar Khan, Apurba Dinda, Sk Mithun, Rupali Khatun, Hashem Akbari, Hiroyuki Kusaka, Chandana Mitra, Saad Saleem Bhattii, Quang Van Doan, Yupeng Wang	Geography	FULL ARTICLE
40	We feeling of Kechopalri lake of west Sikkim	Hasibul Rahaman	Sociology	FULL ARTICLE
41	Nutritional Status and Lifestyle of the Oraon Scheduled Tribe Population of North 24 Parganas, West Bengal, India.	Tanaya Kundu Chowdhury, Bhubon Mohan Das, Subrata K Roy	Anthropology	FULL ARTICLE
42	Anthropometric traits, Body Composition and Physical Fitness Index: A Micro Level Study Among College Students of Haldia, Purba Medinipur, West Bengal.	Bhubon Mohan Das	Anthropology	FULL ARTICLE
43	Step edge guided growth of nanowires on three-fold symmetric vicinal Si(111) surfaces	Debolina Das, Tirthankar Choudhury	Physics	FULL ARTICLE
44	Nirmala and Sonia: the city through embodiment	Dey, S. Shaw, T. and Sengupta, A.	Anthropology	FULL ARTICLE
45	Effect of Geographical Factors on Food Habitat of India: an overview	Pijush Kanti Tripathi	Geography	FULL ARTICLE
46	In situ transformation of a tridentate to a tetradentate unsymmetric Schiff base ligand via deaminative coupling in Ni(II) complexes: crystal	M. Mondal, S. Ghosh, S. Maity,S. Giri and	Chemistry	FULL ARTICLE

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	structures, magnetic properties and catecholase activity study	A. Ghosh		
47	A Journey through Crises: An Ethnographer's Note on COVID-19 and Its Dynamics in a Sub-Urban Setting of West Bengal, India	Pinaki Dey Mullick	Anthropology	FULL ARTICLE
48	Effect of price concession strategy and preservation technology on inventory model for decaying product with partial backlogging and price-stock-dependent demand	Dr. Lakshmi Narayan De and Dr. Piyali Mallick	Mathematics	FULL ARTICLE
49	Lead-time Dependent Ordering Cost Reduction and Trade-credit: A Supply Chain Model with Stochastic Demand and Rework	Dr. Monami Das Roy	Mathematics	FULL ARTICLE
50	A Study on Teacher's Job Satisfaction And Professional Well-Being	Susmita Basu & Prof. Debasri Banerjee	Education	FULL ARTICLE
51	Gompertzian law of growth for reserved area fishery model with non-selective harvesting in unreserved area	Dr. Dipankar Sadhukhan	Mathematics	FULL ARTICLE
52	A study of inventory model for deteriorating items with price and stock dependent demand under the joint effect of preservation technology and price discount facility	Dr. Lakshmi Narayan De	Mathematics	FULL ARTICLE
53	Economic order quantity model for a product with expiration date, limited shelf space and freshness dependent selling price under the effect of trade credit financing.	Dr. Lakshmi Narayan De	Mathematics	FULL ARTICLE
54	Investigation of electrical conductance properties, non-covalent interactions and TDDFT calculation of a newly synthesized copper(II) metal complex"	S. Pramanik, S. Konar*, K. Chakraborty, T. Pal, S. Das, S. Chatterjee, M. Dolai and S. Pathak*,	Chemistry	FULL ARTICLE
55	Band engineering of non-hexagonal 2D tetragonal-silicene sheet and nanoribbons: A theoretical approach	Niladri Sekhar Mondal, Subhadip Nath, Debnarayan Jana, Nanda Kumar Ghosh	Physics	FULL ARTICLE
56	Probabilistic Inventory model under flexible trade credit plane depending upon ordering amount.	Dr. Piyali Mallick and Dr. Lakshmi Narayan De	Mathematics	FULL ARTICLE
57	Phase transition in decaying black holes	Aloke Kumar Sinha	Physics	FULL ARTICLE

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58	A “turn-on” fluorescent and colorimetric chemodosimeter for selective detection of Au ³⁺ ions in solution and in live cells via Au ³⁺ -induced hydrolysis of a rhodamine-derived Schiff base,	S. Mondal, S. K. Manna, S. Pathak, A. Ghosh, P. Datta, D. Mandal and S. Mukhopadhyay	Chemistry	FULL ARTICLE
59	Chromogenic and fluorogenic “off-on-off” chemosensor for selective and sensitive detection of aluminum (Al ³⁺) and bifluoride (HF ₂ ⁻) ions in solution and in living Hep G2 cells: synthesis, experimental and theoretical studies	S. Pramanik, S. K. Manna, S. Pathak, D. Mondal, K. Pal, S. Mukhopadhyay.	Chemistry	FULL ARTICLE
60	Cultural Tourist Destination of Kechopalri lake of Sikkim : A Sociological Study.	Hasibul Rahaman	Sociology	FULL ARTICLE
61	Mobile inter-site bipolarons in presence of long-range interactions	Niladri Sekhar Mondal, Subhadip Nath	Physics	FULL ARTICLE
62	Application of two Cu(II)-azido based 1D coordination polymers in optoelectronic device: Structural characterization and experimental studies	M. Mondal, S. Jana , M. G.B. Drew , A. Ghosh	Chemistry	FULL ARTICLE
63	Travails with Motherhood: An Auto-ethnographic Exploration of Being a Mother	Ananya Chatterjee	Sociology	FULL ARTICLE
64	Caste and Occupational Mobility : The case of Karmakars of North Bengal Village	Hasibul Rahaman	Sociology	FULL ARTICLE
65	Capability Approach to the analysis of child deprivation in India: Focus on inter-state variation	Dr. Gautam Bhowmik	Economics	FULL ARTICLE
66	Recent advances in selective formaldehydedetection in biological and environmental samples by fluorometric and colorimetric chemodosimeters	S. K. Manna,* T. K. Achar and S. Mondal	Chemistry	FULL ARTICLE
67	Sequential growth of self-organized epitaxial FeSi ₂ and CoSi ₂ nanostructures on Si (111) 7×7 surfaces	J.C. Mahato, Debolina Das, Arindam Pal, Prabir Pal, B. N. Dev	Physics	FULL ARTICLE
68	Electric field-induced electronic-thermoelectric-optical properties of typical isoelectronic HNC6 monolayers: A theoretical study	Niladri Sekhar Mondal, Subhadip Nath, Suman Chowdhury, Debbarayan Jana	Physics	FULL ARTICLE
69	An Expedite Synthesis of Some Angularly Fused Novel ‘U’-Shaped Tetracyclic Europhenanthraquinones Simulating ABCD Rings of Isotanshinone-II,	K. Samanta, A. Sarkar, A. K. Sarkar, G. K. Kar,	Chemistry	FULL ARTICLE

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70	Large-sample tests for comparing Likert-type scale data	T. Bhattacharya and A. Sengupta	Statistics	FULL ARTICLE
71	A prey-predator model with Holling type IV response function under deterministic and stochastic environment	Dr. Dipankar Sadhukhan	Mathematics	FULL ARTICLE
72	Optimizing a supply chain problem with nonlinear penalty costs for early and late delivery under generalized lead time distribution.	Dr. Monami Das Roy and Prof. Bhaba R. Sarker	Mathematics	FULL ARTICLE
73	An aggregation-induced emission (AIE)-active fluorescent chemodosimeter for selective sensing of hypochlorite in water and solid state: Endogenous detection of hypochlorite in live cells,	S. K. Samanta, K. Maiti, S. K. Manna, S. S. Ali, U. N. Guria, A. Ghosh, P. Datta and A. K. Mahapatra,	Chemistry	FULL ARTICLE
74	Impact of COVID-19 Pandemic on Psychological Health of the Elderly Population in West Bengal	Dolai, M.C., Jana S., Maiti A.K., Adak A., Mishra, N., Murtaja M. and Bera K.	Anthropology	FULL ARTICLE
75	Prevalence of hypertension and its socio-demographic correlates: A micro level study among Santals of Bankura district, West Bengal, India	Bhubon Mohan Das, Tanaya Kundu Chowdhury, Arupendra Mozumdar, Subrata Kumar Roy	Anthropology	FULL ARTICLE
76	Effect of advance payment on an inventory model for a deteriorating item considering expiration time of product, restricted shelf space and age dependent selling price with discount facility.	Dr. Lakshmi Narayan De	Mathematics	FULL ARTICLE
77	Silicon nanodots via sputtering of Si(111)-7×7 surfaces and post-annealing	J. C. Mahato, Debolina Das, R. Batabyal, Anupam Roy, B.N.Dev	Physics	FULL ARTICLE
78	Dying AdS Schwarzschild black hole	Aloke Kumar Sinha	Physics	FULL ARTICLE
79	Thermodynamics of asymptotically flat Reissner Nordstrom black hole	Aloke Kumar Sinha	Physics	FULL ARTICLE
80	Diverse synthesis of pyrrolo/indolo [3,2-c]coumarins as isolamellarin-A scaffolds: a brief update	K. Samanta, P. Patra, G. K. Kar, S. K. Dinda, D. S. Mahanty	Chemistry	FULL ARTICLE
81	Name Reactions: Strategies in Design of Chemodosimeters for Analyte Detection	A. Maiti, S. K. Manna, D. Banik, A. K. Mahapatra,	Chemistry	FULL ARTICLE
82	A xanthene-based novel colorimetric and fluorometric chemosensor for the detection of hydrazine and its application in the bio-imaging of	U.N. Guria, S. K. Manna, K. Maiti, S. K. Samanta, A. Ghosh, P. Datta, D. Mandal and A. K. Mahapatra	Chemistry	FULL ARTICLE

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	live cells			
83	An experimental and theoretical exploration of supramolecular interactions and photoresponse properties of two Ni(II) complexes	S. Pramanik, S. Pathak, S. Jana, M. Mondal, A. Frontera, S. Mukhopadhyay	Chemistry	FULL ARTICLE
84	Inter-dependent lead-time and ordering cost reduction strategy: a supply chain model with quality control, lead-time dependent backorder and price-sensitive stochastic demand	Dr. Monami Das Roy and Dr. Shib Sankar Sana.	Mathematics	FULL ARTICLE
85	First-principles study of the optical and thermoelectric properties of tetragonal-silicene	Niladri Sekhar Mondal, Subhadip Nath, Nanda Kumar Ghosh, Debnarayan Jana	Physics	FULL ARTICLE
86	Production rate and lot-size dependent lead time reduction strategies in a supply chain model with stochastic demand, controllable setup cost and trade-credit financing	Dr. Monami Das Roy and Dr. Shib Sankar Sana.	Mathematics	FULL ARTICLE
87	Monitoring Metropolitan Growth Dynamics for Achieving Sustainable Urbanization (SDG 11.3) in Kolkata Metropolitan Area, India	Sk Mithun, Mehebab Sahana, Subrata Chattopadhyay, Brian Alan Johnson, Khaled Mohamed Khedher, and Ram Avtar	Geography	FULL ARTICLE
88	Caring Fathers: Reflecting Lived Experiences of Fathers having Children with Disabilities	Moutan Roy	Sociology	FULL ARTICLE
89	Multi-echelon green supply chain model with random defectives, remanufacturing and rework under setup cost reduction and variable transportation cost	Dr. Monami Das Roy and Dr. Shib Sankar Sana.	Mathematics	FULL ARTICLE
90	Rediscovering The Issue of Child Marriage And The School Drop[-Out Problem against The Interplay of The Socio Economic Factors in The Rural Corners of West Bengal: A Village Level Study of East Medinipur	Dr.Tithi Bose and Dr.Moumita Gupta	Economics	FULL ARTICLE
91	Recent development of chromogenic and fluorogenic chemosensors for the detection of arsenic species: Environmental and biological applications.	D. Banik, S. K. Manna*and A.K. Mahapatra*,	Chemistry	FULL ARTICLE

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92	Spiropyran–Merocyanine Based Photochromic Fluorescent Probes: Design, Synthesis, and Applications	M. Mandal, D. Banik, A. Karak, S. K. Manna, and A. K. Mahapatra*	Chemistry	FULL ARTICLE
93	Triphenylamine-based small-molecule fluorescent probes	A. Karak, S. K. Manna, A. K. Mahapatra,	Chemistry	FULL ARTICLE
94	Awareness and Attitudes toward COVID-19 Pandemic among Elderly Population of West Bengal	Dolai, M.C., Jana, S., Maiti, A.K., Adak, A., Alam, Sk.M., Bera, K.	Anthropology	FULL ARTICLE
95	Recent Advancements in Colorimetric and Fluorescent pH Chemosensors: From Design Principles to Applications	D. Banik, S. K. Manna,* A. Maiti, A. K. Mahapatra*	Chemistry	FULL ARTICLE
96	Revealing the supramolecular features of two Zn(II) complexes derived from a new hydrazone ligand: a combined crystallographic, theoretical and antibacterial study	S. Pramanik, A. Hossain, S. Pathak, S. Ghosh Chowdhury, P. Karmakar, A. Frontera * and S. Mukhopadhyay	Chemistry	FULL ARTICLE
97	Syntheses, crystal structures and supramolecular assemblies of two Cu(II) complexes based on a new heterocyclic ligand: insights into C-H...Cl and $\pi\cdots\pi$ interactions	S. Pramanik, S. Pathak, A. Frontera, S. Mukhopadhyay	Chemistry	FULL ARTICLE
98	Comparative framework for spatially explicit urban growth modeling for monitoring urban land-use efficiency and sustainable urban development (SDG 11.3.1): a study on Kolkata metropolitan area, India	Sk Mithun , Mehebab Sahana , Subrata Chattopadhyay , Soumendu Chatterjee , Jaidul Islam and Romulus Costach	Geography	FULL ARTICLE
99	Slums in India: making sense of place in urban planning	Jaidul Islam, Md. Julfikar Ali & Sk Mithun	Geography	FULL ARTICLE
100	Sleep Duration, Socio-demography and Health: An Exploratory Study	Bhubon Mohan Das, Tanaya Kundu Chowdhury, Subrata Kumar Roy	Anthropology	FULL ARTICLE
101	Food chain model with logistic growth and selective optimal harvesting under fuzzy environment	Dr. Dipankar Sadhukhan	Mathematics	FULL ARTICLE
102	Exploration of supramolecular and theoretical aspects of two new Cu(II) complexes: On the importance of lone pair... π (chelate ring) and $\pi\cdots\pi$ (chelate ring) interactions”	S. Pramanik, S. Pathak, A. Frontera, S. Mukhopadhyay	Chemistry	FULL ARTICLE
103	OPINION OF THE COLLEGE TEACHERS ON NATIONAL EDUCATION POLICY- 2020 IN PURBA MEDINIPUR	Pijush Kanti Tripathi	Geography	FULL ARTICLE

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	DISTRICT OF WEST BENGAL – A CASE STUDY.			
104	Relation between Social Discrimination, Religion and Covid-19 Pandemic: The Case of Bengal Villages.	Hasibul Rahaman	Sociology	FULL ARTICLE
105	Job Satisfaction Among Government College Teachers In Purb Medinipur District - A Case Study	Pijush Kanti Tripathi	Geography	FULL ARTICLE
106	Analysis Of Female Work Participation In Midnapore Town Of West Bengal: A Case Study	Pijush Kanti Tripathi	Geography	FULL ARTICLE
107	Hawking decay and thermodynamic transformation of a black hole: two examples	Aloke Kumar Sinha	Physics	FULL ARTICLE
108	Challenges and Barriers of Humanitarian Aid after YAAS: A Qualitative Post-Disaster Study in West Bengal	Dey, S. and Shaw, T.	Anthropology	FULL ARTICLE
109	Transition metal-free advanced synthetic approaches for isoindolinones and their fused analogue	S. Samanta, A. Ali, A. Bera, S. Giri, K. Samanta	Chemistry	FULL ARTICLE
110	Recent advances in tin ion detection using fluorometric and colorimetric chemosensors	S. K. Manna,* S. Mondal,* B. Jana, K. Samanta,	Chemistry	FULL ARTICLE
111	A Brief Review on the Synthesis of Pyrrolo[2,3-c]coumarins, including Lamellarin and Ningalin Scaffolds	P. Patra,S. Manna,S. Patra, K. Samanta and D. Roy	Chemistry	FULL ARTICLE
112	A benzothiazole-based dual reaction site fluorescent probe for the selective detection of hydrazine in water and live cells,	A. Maiti,S. K. Manna,S. Halder, M. Mandal, A. Karak, D.Banik, K. Jana, A. K. Mahapatra	Chemistry	FULL ARTICLE
113	Identifying Suitable Location for Surface Rainwater Harvesting Using GIS and Analytical Hierarchy Process	Sarbeswar Halder & Dr. Arijit Majumder	Geography	FULL ARTICLE

