

## Research Paper

List of few articles published by the faculty members of Kaliyaganj College during last few years -

Title of paper	Name of the author/s	Department	Name of Journal	Year of Publication	ISSN number
Physico-chemical characterization and biological studies of newly synthesized metal complexes of an Ionic liquid-supported Schiff base: 1-{2-[(2-hydroxy-5-bromobenzylidene)aminoethyl]-3 ethylimidazolium tetrafluoroborate	Dr. Sanjoy Saha	Chemistry	J. Chem. Sci. (2018) 131:9	2018	0974-3626 (print) 0973-7103 (web)
Multi-facets of kinetic roughening of interfaces	Dr. Palash Nath	Physics	Physical Sciences Reviews	2018	2365-659X
Influence of Induced Steric on the Switchover Reactivity of Mononuclear Cu(II)-Alkylperoxo Complexes	Dr. PRASENJIT BARMAN	Chemistry	Inorg. Chim. Acta	2019	0020-1693
Hydrogen by Deuterium Substitution in an Aldehyde Tunes the Regioselectivity by a Nonheme Manganese(III) Peroxo Complex.	Dr. PRASENJIT BARMAN	Chemistry	Angew. Chem. Int. Ed.	2019	1521-3773
Transition metal complexes obtained from an ionic liquid-supported Schiff base: synthesis, physicochemical characterization and exploration of antimicrobial activities	Dr. Sanjoy Saha	Chemistry	J. Chem. Sci. (2019) 131:19	2019	0974-3626 (print) 0973-7103 (web)
Interplay Between Steric and Electronic Effects: A Joint Spectroscopic and Computational Study of Nonheme Iron(IV)-Oxo Complexes	Dr. PRASENJIT BARMAN	Chemistry	Chem. Eur. J.	2019	1521-3765
Differential geometric aspects of lightlike f-rectifying curves in	Zafar Iqbal	Mathematics	Differential Geometry	2020	1454-511X

Minkowski space-time			Dynamical Systems (DGDS)		
Magnetic trajectories corresponding to Killing magnetic fields in a three-dimensional warped product	Zafar Iqbal	Mathematics	International Journal of Geometric Methods in Modern Physics	2020	0219-8878 (print); 1793-6977 (online)
Synthesis, physico-chemical characterization and antibacterial studies of new Fe(I) and Cr(I) complexes with an ionic liquid-supported Schiff base ligand	Dr. Sanjoy Saha	Chemistry	Indian Journal of Chemistry	2020	0975-0975
New Co(I) and Cu(I) complexes derived from an imidazolium ionic liquid-based Schiff base: synthesis, physico-chemical characterization and exploration of antibacterial activities	Dr. Sanjoy Saha	Chemistry	Indian Journal of Chemistry	2020	0975-0975
BRITISH POLICY OF "PROTECTIVE DISCRIMINATION"™ AND ITS IMPACT: A CASE STUDY ON UNDERPRIVILEGED SECTION OF THE SOCIETY IN BENGAL	Dr. Bipul Mandal	History	ENSEMBL E, A bilingual peer reviewed academic journal	2020	2582-0427(Online),
The Role of Sri Sri Hari Chand Thakur and Sri Sri Guru Chand Thakur to the Social Awakening Movement of the Namasudras: An overview,	Dr. Bipul Mandal	History	International Journal of Creative Research Thoughts (IJCRT),	2020	ISSN: 2320-2882,
Christian Missionary™s Activities for the Educational Development of Tribal Communities with special reference to the Santals,	Dr. Bipul Mandal	History	International Journal of Creative Research Thoughts (IJCRT),	2020	ISSN: 2320-2882,
Tribals and their Aboriginality: A Dimension of Indian	Dr. Bipul Mandal	History	RESEARCH REVIEW	2020	2455-3085 (Online)

Society			International Journal of Multidisciplinary, Volume-05, Issue-09		
NMR study of defect-induced magnetism in methylammonium lead iodide perovskite	Dr. Palash Nath	Physics	PHYSICAL REVIEW B	2020	2469-9969
Oxidative dehalogenation of halophenols by high-valent nonheme iron(IV)-oxo intermediates.	Dr. PRASENJIT BARMAN	Chemistry	Faraday Discuss.	2021	1359-6640
On f-Rectifying Curves in the Euclidean 4-Space	Zafar Iqbal	Mathematics	Acta Universitatis Sapientiae "Mathematica"	2021	2066-7752 (online); 1844-6094 (print) 1844-6094 (ISSN-L)
A Study on f-Rectifying Curves in Euclidean n-Space	Zafar Iqbal	Mathematics	Universal Journal of Mathematics and Applications	2021	2619-9653
Spectroscopic Studies and Antimicrobial Evaluation of New Mixed Ligand Mn(II), Ni(II), Cu(II) Complexes Synthesized from an Ionic Liquid-Supported Schiff Base and 1-Methyl Imidazole	Dr. Sanjoy Saha	Chemistry	Polycyclic Aromatic compounds	2021	1563-5333 (Online)
Determinants or barriers associated with specific routine check-up in antenatal care in gestational period: A study from EAG states, India.	Smt Madhurima Sarkar	Geography	Clinical Epidemiology and Global Health (Elsevier)	2021	2213-3984
Baul Kheda (Expulsion) Movement of Rangpur and Mandal Kushthia: An Overview	Dr. Bipul Mandal	History	RESEARCH REVIEW International Journal of Multidisciplinary	2021	2455-3085 (Online)
Rajnitik Chintar Alope Bankimchandra	Sri Pabitra Kumar Barman	Political Science	EBONG MAHUA Bengali	2021	UGC-CARE list approved journal, Indian

			language, Literature, Research and Referred with Peer- Review Journal		Language-Arts and Humanities Group, out of 86 pages placed in Page 60 & 84
Geometrical Aspects of Motion of Charged Particles in Magnetic and Killing Magnetic Fields and Their Corresponding Trajectories in Anti-De Sitter 3-Space	Zafar Iqbal	Mathematics	Journal of Dynamical Systems and Geometric Theories	2022	1726-037X (Print) 2169-0057 (Online)
Magnetic Trajectories in Killing Magnetic Backgrounds Framed in 3D pp-Waves	Zafar Iqbal	Mathematics	Journal of Nonlinear Science	2023	0938-8974 (Print) 1432-1467 (Online)
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	Firoj Alam	Chemistry	Journal of Molecular Liquids	2023	0167-7322 (print) 1873-3166 (web)
Physico-chemical characterization and biological studies of newly synthesized metal complexes of an Ionic liquid-supported Schiff base: 1-{2-[(2-hydroxy-5-bromobenzylidene)aminoethyl]-3 ethylimidazolium tetrafluoroborate	Dr. Sanjoy Saha	Chemistry	J. Chem. Sci. (2018)	2018	0974-3626 (print) 0973-7103 (web)
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Influence of Induced Steric Reactivity of Mononuclear Cu(II)-Alkylperoxo Complexes	Dr. PRASENJIT BARMAN	Chemistry	Inorg. Chim. Acta	2019	0020-1693