



Science College, Kokrajhar

Kokrajhar, BTC, Assam, PIN-783370

Website: www.sciencecollege.ac.in

List of published papers in Web of Science / Scopus/ UGC Care List by the faculty members of Science College, Kokrajhar

Sl. No.	Title of paper	Name of Faculty (author)	Name of Journal	Year of publication	Article link to journal home page/doi	UGC CARE List/Web of Science/Scopus	Link to UGC Care/Web of Science/Scopus
1.	A Comprehensive Study of Soft X-ray Absorption Features in GX 13+1 using Newton observations	Rabindra Mahato	<i>Galaxies</i>	September, 2023 (Accepted: July, 2023)	https://doi.org/10.3390/galaxies11050106	Web of Science	Link
2.	Jackfruit (<i>Artocarpus heterophyllus</i>) seed as an effective heterogeneous base catalyst towards biodiesel synthesis from soybean oil	Dr. Biswajit Nath	<i>Korean Journal of Chemical Engineering</i>	August, 2023	https://link.springer.com/journal/11814	Web of Science	Link
3.	Room temperature ferromagnetism, optical band gap widening in Mg-doped ZnO compounds for spintronics applications	Dr. Bikash Dey	<i>Ceramics International</i>	August, 2023 (Accepted: May, 2023)	https://doi.org/10.1016/j.ceramint.2023.08.267	Web of Science	Link
4.	Enumeration of cyclic vertices and components over the congruence $a^{11} \equiv b \pmod n$.	Sanjay Kumar Thakur	<i>Notes on Number Theory and Discrete Mathematics</i>	June, 2023	www.doi.org/10.7546/nntdm.2023.29.3.525-537	Web of Science	Link
5.	Agricultural waste-based heterogeneous catalyst for production of biodiesel: A ranking study by VIKOR method.	Dr. Biswajit Nath	<i>International Journal of Energy Research</i>	June, 2023	https://doi.org/10.1155/2023/7208754	Web of Science	Link
6.	Feeding Biology of <i>Barilius bendelisis</i> (Hamilton 1807) from the Hillstreams of Manas River, Assam, India.	Dr. Fariha Jabeen	<i>Environment and Ecology</i>	June, 2023	https://doi.org/10.60151/envec/BIHE5989	Web of Science	Link
7.	<i>Musa champa</i> peduncle waste-derived efficient catalyst: Studies of biodiesel synthesis, reaction kinetics and thermodynamics	Dr. Biswajit Nath	<i>Energy</i>	February, 2023	https://doi.org/10.1016/j.energy.2023.126976	Web of Science	Link

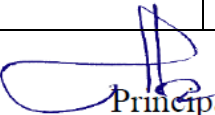
8.	Fixed point results via G-class function in ordered dualistic partial metric spaces	Mr. Babla Ch Ghosh	<i>AIP Conf. Proc.</i> 2768, 020011	February, 2023	https://doi.org/10.1063/5.0148389		
9.	Post-harvest waste to value-added materials: <i>Musa champa</i> plant as renewable and highly effective base catalyst for <i>Jatropha curcas</i> oil-based biodiesel production	Dr. Biswajit Nath	<i>Bioresource Technology Report</i>	February, 2023	https://doi.org/10.1016/j.biteb.2023.101338	Web of Science	Link
10.	Neutrosophic Pre-compactness	Dr. Sudeep Dey	<i>International Journal of Neutrosophic Science</i>	January, 2023	https://doi.org/10.54216/IJNS.210110	Scopus	Link
11.	Room Temperature d ⁰ Ferromagnetism of Ag:ZnO Compounds	Dr. Bikash Dey	<i>Journal of Superconductivity and Novel Magnetism</i>	January, 2023	https://doi.org/10.1007/s10948-023-06514-7	Web of Science	Link
12.	A study on the food and feeding habits of the Chocolate Mahseer from Jiyabharali River of Sonitpur District, Assam, India	Dr. Fariha Jabeen	<i>Indian Journal of Natural Sciences</i>	April, 2023	https://tnsroindia.org.in/journals.html	Web of Science	Link
13.	An Ethnobotanical Study on Medicinal Plants Used by Bodo Tribe of Daranggiri, Goalpara, Assam, India	Mr. Harajit Adhikary	<i>Botanica</i>	Accepted: July, 2023; Published: February, 2024	https://www.arba.ac.in	Web of Science	Link
14.	Effect of Castor, <i>Ricinus communis</i> L. and banayan, <i>Ficus benghalensis</i> L. plants on economic traits of eri silkworm, <i>Samia ricini</i> Donovan (Lepidoptera: Saturniidae).	Dr. Manika Das	<i>International Journal of Tropical Insect science</i>	December, 2022	https://doi.org/10.1007/s42690-022-00919-y	Web of Science	Link
15.	Medical Diagnosis Problems Based on Neutrosophic sets and their Hybrid Structures: A Survey, pp 1-19	Dr. Mamoni Dhar	<i>Neutrosophic Sets and Systems</i>	2022	https://www.researchgate.net/publication/366839942_Medical_Diagnosis_Problems_Based_on_Neutrosophic_Sets_and_Their_Hybrid_Structures_A_Survey	Scopus	Link
16.	Some Basis Concepts of Neutrosophic Soft Block Matrices pp-46-59	Dr. Mamoni Dhar	Neutrosophic Sets and Systems	2022	https://digitalrepository.unm.edu/nss_journal/vol51/iss1/4/	Scopus	Link
17.	Influence of K/Mg co-doping in tuning room temperature d ⁰ ferromagnetism, optical and transport properties of ZnO compounds for spintronics applications	Dr. Bikash Dey	<i>Journal of Alloys and Compounds</i>	November, 2022	https://doi.org/10.1016/j.jallcom.2022.167874	Web of Science	Link
18.	Influence of Na/Mg co-doping in tuning microstructure, transport, optical and magnetic properties of TiO ₂ compounds for spintronics applications	Dr. Bikash Dey	<i>Magnetochemistry</i>	November, 2022	https://doi.org/10.3390/magnetochemistry8110150	Web of Science	Link
19.	Covering properties in neutrosophic topological spaces	Dr. Sudeep Dey	<i>Neutrosophic Sets and Systems</i>	October, 2022	https://doi.org/10.5281/zenodo.7135370	Scopus	Link
20.	Crystal structure, microstructure, optical,	Dr. Bikash Dey	<i>Journal of Materials</i>	September, 2022	https://doi.org/10.1007/s10854-022-	Web of Science	Link

	dielectric, and magnetic properties of TiO ₂ nanoparticles		<i>Science: Materials in Electronics</i>		09111-x		
21.	Observation of room temperature d ⁰ ferromagnetism, bandgap narrowing, zero dielectric loss, dielectric enhancement in highly transparent p-type Na-doped rutile TiO ₂ compounds for spintronics applications	Dr. Bikash Dey	<i>Journal of Alloys and Compounds</i>	September, 2022	https://doi.org/10.1016/j.jallcom.2022.167442	Web of Science	Link
22.	Room temperature d ⁰ ferromagnetism, band-gap reduction, and high optical transparency in p-type K-doped ZnO compounds for spintronics applications	Dr. Bikash Dey	<i>Materials Science in Semiconductor processing</i>	September, 2022	https://doi.org/10.1016/j.mssp.2022.106798	Web of Science	Link
23.	Production of renewable biodiesel using metal organic frameworks based materials as efficient heterogeneous catalysts	Dr. Biswajit Nath	<i>Journal of Cleaner Production</i>	July, 2022	https://doi.org/10.1016/j.jclepro.2022.131955	Web of Science	Link
24.	Polyaniline (PANI) Grafted Hierarchical Heterostructure Nanocomposites for Photocatalytic Degradation of Organic Pollutants in Waste Water: A Review	Dr. Mehdi Al Kausor	<i>Surfaces and Interfaces</i>	July, 2022	https://doi.org/10.1016/j.surfin.2022.102079	Web of Science	Link
25.	Multiferroic Behaviour solid solution in ‘Bi’ doped SmFeO ₃ -BaTiO ₃ Perovskite System.	Dr. Femina Brahma	<i>Ceramics International.</i>	July, 2022	https://doi.org/10.1016/j.ceramint.2022.03.087	Web of Science	Link
26.	Biodiesel production from mixed oils: A sustainable approach towards industrial biofuel production.	Dr. Biswajit Nath	<i>Chemical Engineering Journal Advance</i>	March, 2022	https://doi.org/10.1016/j.cej.2022.100284	Web of Science	Link
27.	Some aspects of countability and covering properties in mixed fuzzy topological space	Dr. Sudeep Dey	<i>Afrika Matematika</i>	May, 2022	https://doi.org/10.1007/s13370-022-01000-0	Web of Science	Link
28.	Redefined neutrosophic composite relation and its application in medical diagnosis	Dr. Sudeep Dey	<i>International Journal Of Nonlinear Analysis And Applications</i>	January, 2022	http://dx.doi.org/10.22075/ijnaa.2022.6329	Scopus	Link
29.	Crystal Structure, Optical and Dielectric Properties of Ag:ZnO Composite Like Compounds	Dr. Bikash Dey	<i>Journal of Materials Science: Materials in Electronics</i>	January, 2022	https://doi.org/10.1007/s10854-021-07560-4	Web of Science	Link
30.	Structural and electrical investigation of ‘Bi’ doped SmFeO ₃ -BaTiO ₃ perovskite system	Dr. Femina Brahma	<i>Materials Today Proceedings</i>	October, 2021	https://doi.org/10.1016/j.matpr.2021.09.362	Scopus	Link
31.	Investigation of multifunctional characteristics in SmFeO ₃ -BaTiO ₃ perovskite system for devices	Dr. Femina Brahma	<i>Materials Science in Semiconductor Processing</i>	November, 2021	https://doi.org/10.1016/j.mssp.2021.106071	Web of Science	Link

32.	Relation of Quasi-coincidence for Neutrosophic Sets	Dr. Sudeep Dey	Neutrosophic Sets and Systems	October, 2021	http://dx.doi.org/10.5281/zenodo.5553546	Scopus	Link
33.	Waste Musa paradisiaca plant: An efficient heterogeneous basecatalyst for fast production of biodiesel	Dr. Biswajit Nath	<i>Journal of Cleaner Production</i>	July, 2021	https://doi.org/10.1016/j.jclepro.2021.127089	Web of Science	Link
34.	Graphene oxide based semiconductor photocatalysts for degradation of organic dye in waste water: A review on fabrication, performance enhancement and challenges	Dr. Mehdi Al Kausor	<i>Inorganic Chemistry Communications</i>	July, 2021	https://doi.org/10.1016/j.inoche.2021.108630	Web of Science	Link
35.	Waste Musa paradisiaca plant: An efficient heterogeneous base catalyst for fast production of biodiesel	Dr. Biswajit Nath	<i>Journal of Cleaner Production</i>	July, 2021	https://doi.org/10.1016/j.jclepro.2021.127089	Web of Science	Link
36.	Some New Fixed -Point Results in non-Archimedean Dislocated Quasi Modular Metric Space Via C-Class and A-Class functions	Mr. Babla Ch Ghosh	<i>Journal of Scientific Research</i>	July, 2021	https://doi.org/10.37398/JSR.2021.650520	UGC CARE	Discontinued from April, 2022
37.	Neutrosophic point and its neighbourhood structure	Dr. Sudeep Dey	<i>Neutrosophic Sets and Systems</i>	June, 2021	https://www.scopus.com/sourceid/21100864379	Scopus	Link
38.	Mixed Multiset Topological space and Separation Axioms	Dr. Sudeep Dey	<i>Indian Journal of Pure and Applied Mathematics</i>	June, 2021	https://doi.org/10.1007/s13226-021-00091-y	Web of Science	Link
39.	Scientific validation of toxicological and anti-hyperglycemic effect of Bambusa tulda leaf	Dr. Swarna Kamal Dey	<i>Indian Journal of Traditional Knowledge</i>	May, 2021	http://op.niscair.res.in/index.php/IJTK/index	Web of Science	Link
40.	Adsorptive Accumulation of Methylene Blue Dye from Aqueous Effluent by NiFe2O4-GO Nano-adsorbent	Mr. Taznur Ahmed	<i>World Journal of Chemical Education</i>	March, 2021	https://doi.org/10.12691/wjce-9-1-5	Scopus	Link
41.	Utilization of renewable and sustainable basic heterogeneous catalyst from Heteropanax fragrans (Kesseru) for effective synthesis of biodiesel from Jatropha curcas oil	Dr. Biswajit Nath	<i>Fuel</i>	February, 2021	https://doi.org/10.1016/j.fuel.2020.119357	Web of Science	Link
42.	Synthesis and characterization of heterogeneous catalyst from sugarcane bagasse: Production of jatropha seed oil methyl esters	Dr. Biswajit Nath	<i>Current Research in Green and Sustainable Chemistry</i>	January, 2021	https://doi.org/10.1016/j.crgsc.2021.100082	Scopus	Link
43.	Nutrient and toxic heavy metal assessment of <i>Tarbinskiellusportentosus</i> and <i>Schizodactylusmonstrosus</i> consumed by the Bodo tribe in Assam, India	Mrs. Pforeni Jane Saprana	<i>International Journal of Tropical Insect Science</i>	January, 2021	https://doi.org/10.1007/s42690-021-00439-1	Web of Science	Link

44.	Neutrosophic soft matrices and its application in medical diagnosis, pp-23-32	Dr. Mamoni Dhar	<i>Journal of Fuzzy Extensions and Applications</i>	2021	https://www.journal-fea.com/article_126400_c123eb645de35ae9ebf3f920cef46689.pdf	Scopus	Link
45.	NeutrosophicSoft Block matrices and Some of its properties,pp 39-49	Dr. Mamoni Dhar	<i>International Journal of Neutrosophic Sciences</i>	2020	https://www.americaspg.com/article/pdf/629	Scopus	Link
46.	Yellow oleander (Thevetia peruviana) seed as a potential bioresource for industrial applications	Dr. Biswajit Nath	<i>Mini-Reviews in Organic Chemistry MROC</i>	November, 2020	http://dx.doi.org/10.2174/1570193X17666191230122142	Web of Science	Link
47.	A Faunistic Survey of Toger Beetles (Coleptera:Carabidae:Cicindalinae) in Chakrachla WLS and Adjoining Reverine Ecosystem in Assam, India	Dr. Kushal Choudhury	<i>Journal of Thretned Taxa</i>	November, 2020	https://doi.org/10.11609/jott.5609.12.15.17129-17137	Web of Science	Link
48.	Morphological study on rice varieties (Oryza sativa L.) of Parbatjhora sub-division, BTR, Assam India	Dr. Mohesh Gogoi	<i>Tropical Plant Research</i>	August, 2020	https://doi.org/10.22271/tpr.2020.v7.i2.059	UGC CARE	Discontinued from January, 2020
49.	Investigation of multifunctional characteristics in SmFeO3-BaTiO3 perovskite system for devices	Dr. Femina Brahma	<i>Materials Science in Semiconductor Processing</i>	July,2020	http://dx.doi.org/10.1016/j.mssp.2021.106071	Web of Science	Link
50.	Influence of climatic indices (AMO, PDO, and ENSO) and temperature on rainfall in the Northeast Region of India	Dr. Ashok Singh	<i>SN Applied Sciences</i>	March, 2020	https://doi.org/10.1007/s42452-020-03527-y	Scopus	Link
51.	Synthesis and characterization of revived double perovskite Ba0.5Sr1.5FeVO6	Dr. Femina Brahma	<i>Journal of Materials Science: Materials in Electronics</i>	January, 2020	https://doi.org/10.1007/s10854-019-02822-8	Web of Science	Link
52.	Long-term Rainfall Data Analysis of the Major Stations of Brahmaputra Plain in Northeast Region of India	Dr. Ashok Singh	<i>Indian Journal of Science and Technology</i>	February, 2020	https://doi.org/10.17485/ijst/2020/v13i08/149815	Web of Science	Link
53.	Investigating the electronic and nonlinear optical properties of fullerene by substituting N, P, As, and Sb in the lattice structure: a DFT study	Dr. Ashok Singh	<i>Applied Physics A</i>	January, 2020	https://doi.org/10.1007/s00339-020-3300-7	Scopus	Link
54.	Waste to value addition: Utilization of waste Brassica nigra plant derived novel green heterogeneous base catalyst for effective synthesis of biodiesel	Dr. Biswajit Nath	<i>Journal of Cleaner Production</i>	December, 2019	https://doi.org/10.1016/j.jclepro.2019.118112	Web of Science	Link
55.	Effectiveness of Microbial (Entomopathogenic) agents and Botanical extracts against small rice grasshoppers (<i>Oxyahylahyla</i>)	Mr. Sanjay Kumar Thakur	<i>International Journal of Advanced Science and Technology</i>	November, 2019	http://sersc.org/journals/index.php/IJAST/article/view/1446	Scopus	Link

56.	Ag ₃ PO ₄ -based Nanocomposites and their Applications in Photodegradation of Toxic Organic Dye Contaminated Wastewater: Review on Material Design to Performance Enhancement.	Dr. Mehdi Al Kausor	<i>Journal of Saudi Chemical Society</i>	June, 2019	https://doi.org/10.1016/j.jscs.2019.09.001	Web of Science	Link
57.	Effectiveness of Microbial (Entomopathogenic) agents and Botanical extracts against small rice grasshoppers (<i>Oxyahylahyla</i>).28(14): 115-119.	Dr. Manika Das	<i>International Journal of Advanced Science and Technology</i>	2019	http://serisc.org/journals/index.php/IJAST/article/view/1446	Scopus	Link
58.	Facile Fabrication of N-TiO ₂ /Ag ₃ PO ₄ @GO Nanocomposite toward Photodegradation of Organic Dye under Visible Light	Dr. Mehdi Al Kausor	<i>Inorganic Chemistry Communications</i>	June, 2019	https://doi.org/10.1007/s11051-020-04829-3	Web of Science	Link
59.	Study on airborne fungal diversity in Kokrajhar Science College Campus, Assam, India.	Dr. Mohesh Gogoi	<i>Tropical Plant Research</i>	June, 2019	https://doi.org/10.22271/tpr.2019.v6.i2.025	UGC CARE	Discontinued from January, 2020
60.	Synthesis, Characterization and Application of Graphene-based Silver Orthophosphate Nanocomposite in Organic Dye Degradation	Dr. Mehdi Al Kausor	<i>Desalination and Water Treatment</i>	May, 2019	https://doi.org/10.5004/dwt.2019.23386	Web of Science	Link
61.	Nutritive and Nutritional Analyses of <i>Chanda Nama</i> consumed by the Bodos of Kokrajhar District, BTAD, Assam	Dr. Sharmistha Chakraborty	<i>International Journal of Fundamental and Applied Science</i>	Dec, 2018	https://doi.org/10.59415/ijfas.v7i3.121		
62.	Length weight relationships of <i>Bariliusbarila</i> (Hamilton, 1822), <i>Opsariustileo</i> (Hamilton, 1822) and <i>Cyprinionsemplotum</i> (McClelland, 1839) collected from Manas River in Assam, India.	Dr. Fariha Jabeen	<i>Journal of Applied Ichthyology</i>	October, 2018	https://doi.org/10.1111/jai.13738	Web of Science	Link
63.	Application of agro-waste derived materials as heterogeneous base catalysts for biodiesel synthesis	Dr. Biswajit Nath	<i>Journal of Renewable and Sustainable Energy</i>	July, 2018	https://doi.org/10.1063/1.5043328	Web of Science	Link
64.	Estimation of chlorophyll concentration in seven <i>Citrus</i> species of Kokrajhar District, BTAD, Assam, India.	Dr. Moesh Gogoi	<i>Tropical Plant Research</i>	April/Aug, 2018	https://doi.org/10.22271/tpr.2020.v7.i2.059	UGC CARE	Discontinued from January, 2020


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