

Publications in Journals in 2024

Sl. No.	Title of Article	Name of Author(s)	Department	Name of Journal	Year of Publication	ISSN Number	DOI Link of the Article
1	Sampratik Asomiya Kabitar Bhashat Lokajibonor Prosonga aru Rupboisitrya: Ek Bishlesonatmok Adhyayn (Seniram Gogoi, Biman Kumar Dole aru Mridul Haloir Nirbasita Kabitar Bishes Ullikhonere)	Sumi Kalita, Bibha Rani Nath	Assamese	Pratibha	2024	2349-5286	
2	Archana Pujarir Kabitar Bhasha: Eti Addhyayan	Sumi Kalita	Assamese	Dogo Rangsang Research Journal	2024	2347-7180	
3	Nalinidhar Bhattacharyar Kabitar Lakkhyan: Eti Bishleshanatmak Addhyayan	Sumi Kalita, Koushik Thakuria	Assamese	Pratibha	2024	2349-5286	
4	Lakshinandan Borar 'Gati Mati Bhakati' Upanyashar Bhasha Eti Bishleshanatmak Addhyayan	Sumi Kalita	Assamese	Dogo Rangsang Research Journal	2024	2347-7180	
5	Boro phakara joyanat narir upasthapan: Ek adhyayan	Daisy Rani Deka	Assamese	Pratibha	2024	2349-5286	
6	Sanskritik manobigyanar dristikonere Birendra Kumar Bhattacharyar nirbachita chutigalpat nari manastattba: Ek Abalokan	Daisy Rani Deka	Assamese	Assam Sahitya Sabha Patrika	2024	2277-9515	

7	Understanding right and equality and its Representation in Tribal Folktales An analysis in perspective of animal study	Daisy Rani Deka	Assamese	Dogo Rangsang	2024	2047-7180	
8	Kautilyakale Pragvarshikavittsyojana: Ekamavalakanam	Bibhuti Lochan Sarmah	Assamese	JETIR	2024	2349-5162	
9	Adhunikarthaniti Dristya Kautiliyarthasastrivyavasthyah Paryalochanam	Bibhuti Lochan Sarmah	Assamese	National Journal of Hindi and Sanskrit Research	2024	2454-9177	
10	Bipul Kumar Duttar Kabita: Bastabatar Kathakata	Ratul Dekha	Assamese	Sampriti	2024	2454-3837	
11	Subversion of Anthropocentrism: Study of the Representation of Animals in select contemporary Assamese poetry	Ratul Dekha	Assamese	Noesis Literary	2024	3048-4693	https://doi.org/10.69627/NOL2024VOL1ISS2
12	Shudrakar Byatikramee Sristi <i>Mrichakatikam: Ek Adhyayan</i>	DeepaMoni Baishya	Assamese	Dwibhashee Rashtrasevak	2024	2321-4945	
13	Can Polyherbal Medicine be used for the Treatment of Diabetes? - A Review of Historical Classics, Research Evidence and Current Prevention Programs	Sudem Brahma, Arvind K. Goyal, Prakash Dhamodhar, Mani Reema Kumari, S. Jayashree, Talambedu Usha and Sushil Kumar Middha	Biotechnology	Current Diabetes Reviews	2024	1875-6417	http://dx.doi.org/10.2174/1573399819666230314093721

14	Valorization of bamboo charcoal as a low-cost adsorbent for waste water treatment: a mini review	Illora Narzary, Rinki Kumari Mahato, Sushil Kumar Middha, Talambedu Usha, Arvind Kumar Goyal	Biotechnology	Advances in Bamboo Science	2024	2773-1391	https://doi.org/10.1016/j.bamboo.2024.100067
15	Innovations in Nanotechnology for Food Production and Packaging: A Review	Talambedu Usha, Sushil Kumar Middha, Kadabagere Narayanaswamy Hemavathi, Prakash Hemalatha, Ravi Harini, Zeenat Afreen, Nidhi Dwivedi, Korthusheril Ajayakumar Akshaya, Arvind Kumar Goyal and Manjeshwar Shrinath Baliga	Biotechnology	Current Nutrition & Food Science	2024	1573-4013	http://dx.doi.org/10.2174/0115734013297685240820043042
16	Pomegranate Rhizosphere Microbial Diversity Revealed by Metagenomics: Toward Organic Farming, Plant Growth Promotion and	Renuka Ravinath, Talambedu Usha, Anupam J. Das, Aditya Narayan Sarangi	Biotechnology	OMICS: A Journal of Integrative Biology	2024	1557-8100	https://doi.org/10.1089/omi.2023.0272

	Biocontrol?	, Neelakanta Sarvashiva Kiran, Arvind Kumar Goyal, Mothukapalli Krishnareddy Prasannakumar, Nijalingappa Ramesh, and Sushil Kumar Middha					
17	Investigating Emodin derivatives against SARS-CoV-2 found in medicinal herbs	Talambedu Usha, Kadabagere Narayanaswamy Hemavathi, Arvind Kumar Goyal, C.S. Abhinand, S. Dhivya, A. Cholarajan, Neelu Joshi, Dinesh Babu, Sushil Kumar Middha	Biotechnology	Kuwait Journal of Science	2024	1024-8684	http://dx.doi.org/10.1016/j.kjs.2024.100265
18	TRIM13 reduces cholesterol efflux and increases oxidized LDL uptake leading to foam cell formation and atherosclerosis	Suresh Govatati, Raj Kumar, Monoranjan Boro, James G Traylor, A Wayne Orr,	Biotechnology	Journal of Biological Chemistry	2024	1083-351X	https://doi.org/10.1016/j.jbc.2024.107224

		Aldons J Lusi, Gadiparthi N Rao					
19	Quest for Anti-SARS-CoV-2 antiviral therapeutics: in- silico and in-vitro analysis of edible mushroom- Cordyceps militaris	Pradeep Gandha le, Rupesh Chik hale, Pukar Kha nal, Vashkar Bis wa, Raju Ali, M ohd Shahnawaz Kha n, Nilambari Gu rav, Muniappan Ayyanar, Sande ep Das. Shailend ra Gurav	Biotechnology	Journal of Ayurveda and Integrative Medicine	2024	0976-2809	https://doi.org/10.1016/j.jaim.2024.100979
20	Structural analysis of Glucose- 6-Phosphate Dehydrogenase (G6PD) variants from Northeast India and natural antioxidants as a pharmacological agent to alleviate G6PD deficiency associated challenges- An in silicoapproach	Noymi Basumatary, Nerswn Basumatary, Dipankar Baruah, Paresh Kumar Sarma & Jatin Sarmah	Biotechnology	Indian Journal of Biochemistry & Biophysics	2024	Print: 0301- 1208 Online: 0975- 0959	http://dx.doi.org/10.5604/2/ijbb.v62i1.11769
21	Indian Council of Medical Research (ICMR)–Sickle Cell Disease (SCD) Stigma Scale for India (ISSSI): A Protocol for Scale Development	Deepa Bhat, Yogita Sharma, Parikipandla Sridevi, Shaily B. Surti, Jatin Sarmah, Manoranjan Ranjit,	Biotechnology	Journal of Racial and Ethnic Health Disparities	2024	2196-8837	http://dx.doi.org/10.1007/s40615-024-02228-1

		Madhusmita Bal & Bontha V. Babu					
22	Sickle cell disease in Indian tribal population: Findings of a multi-centre Indian SCD registry	Yogita Sharma, Deepa Bhat, Parikipandla Sridevi, Shaily B. Surti, Manoranjan Ranjit, Jatin Sarmah, Godi Sudhakar, Bontha V. Babu	Biotechnology	Blood Cells, Molecules, and Diseases	2024	1096-0961	https://doi.org/10.1016/j.bcmed.2024.102873
23	Dietary Iodine Intake and Pattern of Thyroid Disorders among the Ethnic Population of Eastern Himalayan Ranges of India	Trisha Sonowal jatin sarmah paresh kumar sharma	Biotechnology	Archives of Medicine and Health Sciences	2024	2321-6085	http://dx.doi.org/10.4103/amhs.amhs_258_23
24	Identification of glucose-6-phosphate dehydrogenase variants by utilizing polymerase chain reaction – Restriction fragment length polymorphism-based method	Noymy Basumatary, Dipankar Baruah, Paresh Kumar Sarma, Jatin Sarmah	Biotechnology	Gene Reports	2024	2452-0144	https://doi.org/10.1016/j.genrep.2024.101911
25	Antihyperglycemic and antihyperlipidemic effects of fruit extract of Hodgsonia heteroclita (Roxb.) Hook. f. & Thomson in diabetic mice	Silu Basumatary, Partha Pradip Adhikari, Ajit Kumar Das, Nanjian Raaman, Gauri Dutt Sharma, Jatin Sarmah, Anju	Biotechnology	Journal of Ethnopharmacology	2024	1872-7573	https://doi.org/10.1016/j.jep.2024.118094

		m Dihingia, Rin ku Baishya, Pras enjit Manna, Jati n Kalit					
26	Strengthening Health System and Community Mobilization for Sickle Cell Disease Screening and Management among Tribal Populations in India: An Interventional Study	Bontha V Babu Yogitha sarmah Parkindla Sridevi Saily B surthy Deepa Bhat, Monoranjana Ranjit Gody shudakar, jatin Sarmah	Biotechnology	International journal for hemoglobin research	2024	Print: 0363- 0269 Online: 1532- 432X	https://doi.org/10.1080/03630269.2023.2300675
27	A study on the potential of endophytic bacteria to promote plant growth: Uses in agriculture and future directions	Das D & Das S	Biotechnology	Plant Science Today	2024	2348-1900	https://doi.org/10.14719/pst.3398
28	Exploring of Grasshopper fauna in Udalguri district, BTR, Assam.	Narjari MM and Narzari S	Biotechnology	African journal of Biological Sciences	2024	2663-2187	https://doi.org/10.48047/AFJBS.6.15.2024.3834-3844
29	Taxonomic studies of orthopteran fauna from Udalguri district, BTR, Assam, India	Narjari MM and Narzari S	Biotechnology	International Journal of Entomology Research	2024	2455-4758	
30	Spent mushroom substrate of Ganoderma lucidum developed nanocatalyst (CSA/BaO@K ₂ CO ₃) for	Sujata Brahma, Raju Ali, Papia Das, Sharmistha Brahma Kaur, R ebecca Daimari,	Biotechnology, Botany and Chemistry	Industrial Crops and Products	2024	0926-6690	https://doi.org/10.1016/j.indcrop.2024.119871

	efficient biodiesel synthesis from blended oil feedstock	Jonali Owary, Sandeep Das, Bipul Das, Sanjay Basumatary					
31	Tradition meets technology: An overview of fermented bamboo shoots	Arvind Kumar Goyal, Talambedu Usha, Mrinal Kalita, Kadabagera, Narayanaswamy Hemavathi, Prakash Hemalatha, Sunita Mushahary, Pranjoy Brahma, Sushil Kumar Middha, Swarna Kamal Dey, Jangila Basumatary, Ankit Shah	Biotechnology and Center for Bamboo Studies	Advances in Bamboo Science	2024	2773-1391	https://doi.org/10.1016/j.bamboo.2024.100078
32	Process of Compounding Structure in Bodo	Indira Boro	Bodo	Anandam	2024	2394-9023	
33	Boro Raoni Bathraphwrao Bahaizanai Thaiza Bathra Khwndw: Mwnse Bijirnai	Indira Boro	Bodo	Pratibha	2024	2349-5286	
34	Writing Technique of Zaraphagla: A Brief Discussion	Indira Boro	Bodo	IJFMR	2024	2582-2160	
35	Lexical Nominalization in Bodo	Indira Boro	Bodo	IJFMR	2024	2582-2160	
36	Verb Formation in Bodo and Koch Rabha Language: A	Indira Boro	Bodo	Language in India	2024	1930-2940	

	Coparative Study						
37	An Introduction to the Bodo Agor (Weaving Design)	Indira Boro	Bodo	Educational Administration : Theory and Practice	2024	2148-2403	http://dx.doi.org/10.53555/5/kuey.v30i1.7782
38	Gender Issues in the Short Stories by Zaraphagla: A Study with the View of Sociology	Indira Boro	Bodo	Library Progress International	2024	0970-1052	https://doi.org/10.48165/bapas.2024.44.2.1
39	Negative Particles of Verbal Tense in Bodo	Bhoumik Ch. Baro	Bodo	IJFMR	2024	2582-2160	
40	Interrogative sentence of Bodo: A study	Bhoumik Ch. Baro	Bodo	Library Progress International	2024	0970 1052	https://doi.org/10.48165/bapas.2024.44.2.1
41	A discussion of the short story in the morality market	Bijitgiri Basumatary	Bodo	Internationl Journal of Creative Research Thoughts	2024	2320-2882	
42	Boro kachari solo bijabao thanai solo bathayao dwini mohor: mwnse bijirnai	Bijitgiri Basumatary	Bodo	Pratibha	2024	2349-5286	
43	Reflection on Socio-Cultural life in the Novels of Rita Boro: A Selective Study	Laishri Mahilary	Bodo	Seventh Sense Research Group	2024	2394-2703	https://doi.org/10.14445/23942703/IJHSS-V9I2P113
44	A Study on Cultural Aspects as Reflected in Rita Boro's Novel "Saikhong"	Laishri Mahilary	Bodo	History Research Journal	2024	0976-5425	
45	Significance of the Fok Songs in Rita Boro's Novel Bachiram Jwhwlao: An Analytical Study	Laishri Mahilary	Bodo	Indian Journal of Psychology	2024	0019-5553	
46	Aizw Santhouminni Bitha Mohorwi Angubwi: Mwnse	Laishri Mahilary	Bodo	Pratibha	2024	2349-5286	

	Phoraisongnai						
47	Two new species and additional records of <i>Coenogonium</i> (Ostropales: Coenogoniaceae) from India	Rakesh Singh Adhikari, Roshni kumar Ngangom, Suparna Biswas, Rebecca Daimari, Sanjeeva Nayaka	Botany	Nordic journal of Botany	2024	1756-1051	https://doi.org/10.1111/njb.04376
48	New additional records of lichenized fungi to Indian lichen biota	Pungbili Islary, Monika Thakur, Vishal Kumar, Suparna Biswas, Gaurav Kumar Mishra, Sanjeeva Nayaka, Siljo Joseph, Rebecca Daimari	Botany	Vegetos	2024	2229-4473	https://doi.org/10.1007/s42535-024-01036-6
49	Phytochemical, proximate analysis and antioxidant activity of the rhizome of <i>Alpinia nigra</i> (Gaertn.) B.L. Burtt (Zingiberaceae) in Tamulpur district, Assam	Minisrang Daimary, Pungbili Islary & Rebecca Daimari	Botany	Plant Science Today	2024	Online: 2348-1900	https://doi.org/10.14719/pst.2929

50	Impact of petroleum hydrocarbon and heavy metal pollution on coral reefs and mangroves: a review	Punniyakotti Elumalai, Punniyakotti Parthipan, Xueke Gao, Jinjie Cui, Arunagiri Santhosh Kumar, Perumal Dhandapani, Aruliah Rajasekar, Hemen Sarma, Nadana Raja Vadivu Ganapathy, Jayaraman Theerthagiri, Ahreum Min, Myong Yong Choi	Botany	Environmental Chemistry Letters	2024	1610-3653	https://doi.org/10.1007/s10311-024-01728-0
51	Biomedical applications of graphene-based nanomaterials: recent progress, challenges, and prospects in highly sensitive biosensors	Arabinda Baruah, Rachita Newar, Saikat Das, Nitul Kalita, Masood Nath, Priya Ghosh, Sampath Chinnam, Hemen Sarma, Mahesh Narayan	Botany	Discover Nano	2024	2731-9229	https://doi.org/10.1186/s11671-024-04032-6

52	Unraveling the mechanisms of free radicals-based transformation and accumulation of potentially toxic metal(loid)s in biochar- and compost-amended soil-plant systems	Ayesha Imtiyaz Cheema , Amina, Habib Ullah, Mehr Ahmed Mujtaba Munir, Abdul Rehman, Hemen Sarma, Krzysztof Pikoń , Balal Yousaf	Botany	Journal of Cleaner Production	2024	1879-1786	https://doi.org/10.1016/j.jclepro.2024.141767
53	Development of FRET-based optical sensors using N-doped carbon dots for detection of chromium (VI) and manganese (VII) in water for a sustainable future	Rachita Newar, Nasrin Sultana, Saikat Das, Bhoirob Gogoi, Nazim Forid Islam, Hemen Sarma, Arabinda Baruah	Botany	Journal of Environmental Chemical Engineering	2024	2213-3437	https://doi.org/10.1016/j.jece.2023.111721
54	Nanoplastics and lithium accumulation in soil–plant systems: Assessing uptake, toxicological effects, and potential synergistic interactions	Hemen Sarma, Tanushree Basu matary, Balal Y ousaf, Mahesh Narayan	Botany	Current Research in Biotechnology	2024	2590-2628	https://doi.org/10.1016/j.crbiot.2023.100170
55	Converting food waste to biofuel: A sustainable energy solution for Sub-Saharan Africa	Ramadhani Bak ari, Ripanda Ash a, Miraji Hossei n, Xiao Huang, N.F. Islam, Roc k Keey Liew, Mah	Botany	Sustainable Chemistry for the Environment	2024	2949-8392	https://doi.org/10.1016/j.scenv.2024.100126

		esh Narayan, Su Shiung Lam, Hemen Sarmah					
56	Nano-biochar interactions with contaminants in the rhizosphere and their implications for plant-soil dynamics	Hemen Sarma, Supriya Shyam, Ming Zhang, Giulia Guerriero	Botany	Soil & Environmental Health	2024	2949-9194	https://doi.org/10.1016/j.seh.2024.100095
57	Nitro-PAHs: Occurrences, ecological consequences, and remediation strategies for environmental restoration	Hemen Sarma, Bhoirab Gogoi, Chung-Yu Guan, Chang-Ping Yu	Botany	Chemosphere	2024	1879-1298	https://doi.org/10.1016/j.chemosphere.2024.141795
58	Biosurfactant-enhanced bioremediation of petroleum sludge: Unveiling the potential of Enterobacter cloacae AR-IASST (01)	Rupshikha Patowary, Bhagyalakshmi Rajbongshi, Arundhuti Devi, Bappy Sen, Manisha Goswami, Hemen Sarmah	Botany	Next Sustainability	2024	2949-8236	https://doi.org/10.1016/j.nxsust.2024.100034
59	Therapeutic potential of lipopeptide biosurfactant-fabricated copper oxide nanoparticles: Mechanistic insight into their biocompatibility using zebra fish	Tamanna Bhuyan, Yugal Kishore Mohanta, Kaustuvmani Patowary, Surjendu Maity, Debasis Nayak, Kangkan Deka, K. Meenakshi Sundaram, Sara	Botany	Current Research in Biotechnology	2024	2590-2628	https://doi.org/10.1016/j.crbiot.2024.100227

		vanan Muthupandian, Hemen Sarma					
60	Graphene acid quantum dots: A highly active multifunctional carbon nano material that intervene in the trajectory towards neurodegeneration	Sherin M. ElMorsy, Denisse A Gutierrez, Salvador Valdez, Jyotish Kumar, Renato J Aguilera, Mohamed Noufal, Hemen Sarma, Sampath Chinnam, Mahesh Narayan	Botany	Journal of Colloid and Interface Science	2024	1095-7103	https://doi.org/10.1016/j.jcis.2024.05.072
61	Rhamnolipids: Green Surfactant for Environmental Bioremediation of Polycyclic Aromatic Hydrocarbons (PAHs)	Vandana Singh, Chetan Pandit, Subhasree Ray, Soumya Pandit, Nishant Ranjan, Deepansh Sharma, Hemen Sarma, Geetha S.J., Randhir Makkar, Sarvesh Rustagi, Sumira Malik, Ram Prasad, Sanket J. Joshi	Botany	Environmental Quality Management	2024	1520-6483	https://doi.org/10.1002/tqem.22282

62	Encouraging circular economy and sustainable environmental practices by addressing waste management and biomass energy production	Nazim Forid Islam, Bh oirob Gogoi, Ri mon Saikia, Bal al Yousaf, Mahe sh Naraya, Hem en Sarma	Botany	Regional Sustainability	2024	2097-0129	https://doi.org/10.1016/j.regsus.2024.100174
63	Potential protection of resveratrol-tempeh against nephrotoxic and hepatotoxic histological damage in mice induced by aluminum	Yulia Irnidayant i, Salsabilla Audy Julieta Wisakso no, Win Darman to, Mahesh Nara yan, Hemen Sar ma	Botany	Tissue and Cell	2024	1532-3072	https://doi.org/10.1016/j.tice.2024.102589
64	Utilizing banana peduncle as an affordable bio-adsorbent for efficient removal of lead ions from water and industrial effluents	P. Muthusamy, S. Murugan, San jeeb Kumar Mandal, Bishwambhar M ishra, Yugal Kishore Mohant a, Hemen Sarma , Mahesh Naray an	Botany	Sustainable Chemistry for the Environment	2024	2949-8392	https://doi.org/10.1016/j.scenv.2024.100150
65	Utilizing banana peduncle as an affordable bio-adsorbent for efficient removal of lead ions from water and industrial effluents	P. Muthusamy, S. Murugan, Sanjeeb Kumar Mandal, Bishwambhar Mishra, Yugal Kishore	Botany	Sustainable Chemistry for the Environment	2024	2949-8392	https://doi.org/10.1016/j.scenv.2024.100150

		Mohanta, Hemen Sarma, Mahesh Narayan					
66	Extended distribution of an endemic variety <i>Glochidion zeylanicum</i> var. <i>paucicarpum</i> Chakrab. & N.P. Balakr. (Phyllanthaceae) from Assam, India	Priyanka Brahma & Sanjib Baruah	Botany	Vegetos	2024	2229-4473	https://doi.org/10.1007/s42535-023-00650-0
67	Quantitative approach to the ethnomedicinal study of the ethnic communities of Rangia subdivision, Assam, North East India	Sanjib Baruah, Dhriti Basumatary, Priyanka Brahma	Botany	Ethnobotany Research and Applications	2024	1547-3465	http://dx.doi.org/10.32859/era.27.21.1-16
68	Ethnomedicinal study on roots and rhizomes used by the Bodo community of Kokrajhar district of Assam (India)	Twinkle Basumatary, Priyanka Brahma, Rujukha Wary, Birina Bhuyan and Sanjib Baruah	Botany	Pleione	2024	0973-9467	http://dx.doi.org/10.26679/Pleione.18.2.2024.159-166
69	Citrus in North East India: Wonder Fruits	Sanjib Baruah, Madhumita Talukdar	Botany	Agri Tech Today	2024	3048-8249	-
70	Foliar epidermal micromorphology of genus <i>Glochidion</i> J.R.Forst. & G.Forst. (Phyllanthaceae) by using light and electron microscopy	Priyanka Brahma, Sanjib Baruah	Botany	Current Botany	2024	2220-4822	https://doi.org/10.25081/cb.2024.v15.8609

71	Micromorphology, phytochemical screening, and GC-MS analysis of bioactive compounds isolated from <i>Papilionanthe teres</i> (Roxb.) Schltr.: A potent medicinal plant	Brahma Priyanka, Basumatary Sonali, Baruah Sanjib	Botany	Medicinal Plants - International Journal of Phytomedicines and Related Industries	2024	Print: 0975-4261. Online: 0975-6892.	http://dx.doi.org/10.5958/0975-6892.2024.00016.9
72	How Are Turmeric and The National Turmeric Board (NTB) Important?	Sanjib Baruah	Botany	Agri Tech Today	2024	3048-8249	-
73	Evaluation of anticancer, immunomodulatory and anti-inflammatory potential of antioxidant rich <i>Anzia ornatoides</i> , a lichen species from eastern Himalayan region	Islary, P., Meher, R.K., Biswas, S., Baumatary, D., Basumatary, I.B., Dubey, D., Basumatary, D. & Daimari, R.	Botany	South African Journal of Botany	2024	1727-9321	https://doi.org/10.1016/j.sajb.2023.11.037
74	Spent mushroom substrate of <i>Ganoderma lucidum</i> developed nanocatalyst (CSA/BaO@K ₂ CO ₃) for efficient biodiesel synthesis from blended oil feedstock	Sujata Brahma, Raju Ali, Papia Das, Sharmistha Brahma Kaur, Rebecca Daimari, Jonali Owary, Sandeep Das, Bipul Das, Sanjay Basumatary	Botany, Chemistry and Biotechnology	Industrial Crops and Product	2024	0926-6690	https://doi.org/10.1016/j.indcrop.2024.119871
75	A facile and green synthesis of corn cob-based graphene oxide and its modification with corn cob-K ₂ CO ₃ for efficient removal of methylene blue	Nituraj Mushahary, Angita Sarkar, Bipul Das, Samuel Lalthazuala Rok	Chemistry	Journal of the Indian Chemical Society	2024	Online: 2667-2847 Linking: 0019-4522	https://doi.org/10.1016/j.ics.2024.101409

	dye: Adsorption mechanism, isotherm, and kinetic studies	hum, Sanjay Basumatary					
76	Excitation wavelength and time dependent colour tunable room temperature phosphorescence from boron doped carbon nanodots	Sanjay Basumatary, Bilipang Mahilary, Khemnath Patir	Chemistry	Journal of Fluorescence	2024	15734994 10530509	http://dx.doi.org/10.1007/s10895-024-04007-x
77	Waste biomass-based graphene oxide decorated with ternary metal oxide (MnO-NiO-ZnO) composite for adsorption of methylene blue dye	Priyanka Barooah, Nituraj Mushahary, Bipul Das, Sanjay Basumatary	Chemistry	Cleaner Water	2024	2950-2632	http://dx.doi.org/10.1016/j.clwat.2024.100049
78	Exploring the potential of diosgenin as a promising antitumor agent through comprehensive spectroscopic characterization, solvent–solute interactions, topological properties, Hirshfeld surface, and molecular docking interactions with 2NZT and 2I1V proteins	A. Ram Kumar, S. Selvaraj, A.S. Vickram, G.P. Sheeja Mol, Shikha Awasthi, M. Thirunavukkarasu, Manickam Selvaraj, Sanjay Basumatary	Chemistry	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2024	Print: 1386-1425 Online: 1873-3557	http://dx.doi.org/10.1016/j.saa.2024.125349
79	Graphitic carbon nitride composites as advanced versatile materials for adsorption and photocatalytic degradation of emerging pollutants from wastewater	Funbili Basumatary, Angita Sarkar, Nituraj Mushahary, Bipul Das, Pankaj Sainik, Manickam Selvaraj, Sanjay Basumatary	Chemistry	Process Safety and Environmental Protection	2024	Online: 1744-3598 Print: 0957-5820	https://doi.org/10.1016/j.psep.2024.09.077

80	Biodiesel production using areca nut (<i>Areca catechu</i> L.) leaf ash-K ₂ CO ₃ catalyst via transesterification from an oil blend of three different feedstocks	Simangsa Boro, Bipul Das, Sujata Brahma, Bidan gshri Basumatar y, Siri Fung Basumatar y, Sanjay Basum atary	Chemistry	Sustainable Chemistry for the Environment	2024	Online: 2949-8392	http://dx.doi.org/10.1016/j.scenv.2024.100164
81	Recent advances in magnetic solid catalysts: Synthesis, Stabilization and Application in cleaner production of biodiesel	Siri Fung Basumatar y, Bipul Das, Ba santa Kumar Das, Mainul Hoque, Sujata Brahma, Bidan gshri Basumatar y, Khemnath Pat ir, Manickam Selvaraj, Samuel Lalthazuala Rok hum, Sanjay Basumatary	Chemistry	Energy Nexus	2024	Online: 2772-4271	https://doi.org/10.1016/j.nexus.2024.100318
82	Structural crystal engineering for energy: Unleashing the potential of metal-organic frameworks for photocatalytic reduction of carbon dioxide	Sirisha Subbareddy, Santhosh Arehalli Shivamurthy, Srujan Basavapura Ravikumar, Hema Mylnahalli Krishnegowda, Sandeep Shadakashari, Manickam	Chemistry	Materials Today Chemistry	2024	Online: 2468-5194	http://dx.doi.org/10.1016/j.mtchem.2024.102197

		Selvaraj, Sanjay Basumatary					
83	A novel approach for modification of montmorillonite using banana peel ash extract for enhanced adsorption efficiency of methylene blue dye	Angita Sarkar, Nituraj Mushahary, Bipul Das, Sanjay Basumatary	Chemistry	Desalination and Water Treatment	2024	Online: 1944-3986	http://dx.doi.org/10.1016/j.dwt.2024.100585
84	Response surface optimization, kinetics, thermodynamics, and life cycle cost analysis of biodiesel production from Jatropha curcas oil using biomass-based functional activated carbon catalyst	Kankana Saikia, Arpita Das, Atoholi H. Sema, Sanjay Basumatary, N. Shaemningwar Moyon, Thangavel Mathimani, Samuel Lalthazuala Rokhum	Chemistry	Renewable Energy	2024	Online: 1879-0682 Print: 0960-1481	http://dx.doi.org/10.1016/j.renene.2024.120743
85	A mixture of three agrowastes-K ₂ CO ₃ as a solid catalyst for biodiesel synthesis from a binary blend of two non-edible oils	Siri Fung Basumatary, Sujata Brahma, Bipul Das, Sanjay Basumatary	Chemistry	Journal of the Indian Chemical Society	2024	Online: 2667-2847 Linking: 0019-4522	http://dx.doi.org/10.1016/j.jics.2024.101195
86	Vigna mungo (L.) Hepper as Heterogeneous Catalyst for Generation of Biodiesel from a Mixture of Multiple Oil	Sujata Brahma, Bidangshri Basumatary, Bik	Chemistry	International Journal of Energy Research	2024	Online: 1099-114X	https://doi.org/10.1155/2024/7407501

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87	Recent developments on graphene oxide and its composite materials: From fundamentals to applications in biodiesel synthesis, adsorption, photocatalysis, supercapacitors, sensors and antimicrobial activity	Nituraj Mushahary, Angita Sarkar, Fungbili Basumatary, Sujata Brahma, Bipul Das, Sanjay Basumatary	Chemistry	Results in Surfaces and Interfaces	2024	Online: 2666-8459	http://dx.doi.org/10.1016/j.rsurfi.2024.100225
88	Sustainable Hydrogen Production: Solar-Powered Biomass Conversion Explored through (Photo)Electrochemical Advancements	Rajender Boddula, Yen-Yi Lee, Srinivas Masimukku, Guo-Ping Chang-Chien, Ramykrishna Pothu, Rajesh Kumar Srivastava, Prakash Kumar Sarangi, Manickam Selvaraj, Sanjay Basumatary, Noora Al-Qahtani	Chemistry	Process Safety and Environmental Protection	2024	Online: 1744-3598 Print: 0957-5820	https://doi.org/10.1016/j.psep.2024.04.068

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90	Catalytic Efficacy, Kinetic, and Thermodynamic Studies of Biodiesel Synthesis Using Musa AAA Plant Waste-Based Renewable Catalyst	Bidangshri Basumatary, Alpaslan Atmanli, Mohammad Azam, Siri Fung Basumatary, Sujata Brahma, Bipul Das, Sanfaori Brahma, Samuel Lalthazuala Rokhum, Kim Min	Chemistry	International Journal of Energy Research	2024	Online: 1099-114X Print: 0363-907X	https://doi.org/10.1155/2024/8837343
91	Sulfamic acid modified UiO-66 metal-organic framework for biodiesel production: Process optimization using response surface methodology,	Shiva Prasad Gouda, Da Shi, Sanjay Basumatary, Hui Li, Ramón	Chemistry	Chemical Engineering Journal	2024	Print: 1385-8947 Online: 1873-3212	https://doi.org/10.1016/j.cej.2023.148154

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92	Selective and Comparative Study of B/nZVCu-Fe and B/nZVCu-Zn Nanoparticles as Fluorescent Probe for Dopamine in Presence of its Interference Molecules	Rimki Bhattacharjya, Sarojmoni Kalita, Ananya Dutta, Dipanwita Basak, Hemaprobha Saikia	Chemistry	Journal of Fluorescence	2024	15734994 10530509	https://doi.org/10.1007/s10895-024-03873-9
93	Green synthesis and applications of mono/bimetallic nanoparticles on mesoporous clay: a review	Manash Pratim Barman, Dipanwita Basak, Debasis Borah, Deepmoni Brahma, Mandira Debnath and Hemaprobha Saikia	Chemistry	Reviews in Inorganic Chemistry	2024	2191-0227	https://doi.org/10.1515/revic-2024-0008
94	Elucidating study of “Eri” and <i>Cannabis sativa</i> : An antibacterial approach via B/nZVCu-M NPs fabrication	Dipanwita Basak, Rajib Ratan Kashyap, Debasis Borah, Hemaprobha Saikia	Chemistry	Surfaces and Interfaces	2024	Online: 2468-0230	https://doi.org/10.1016/j.surfin.2024.104865
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96	Spent mushroom substrate of Ganoderma lucidum developed nanocatalyst (CSA/BaO@K ₂ CO ₃) for efficient biodiesel synthesis from blended oil feedstock	Sujata Brahma, Raju Ali, Papia Das, Sharmistha Brahma Kaur, Rebecca Daimari, Jonali Owary, Sandeep Das, Bipul Das, Sanjay Basumatary	Chemistry, Biotechnology & Botany	Industrial Crops and Products	2024	0926-6690	https://doi.org/10.1016/j.indcrop.2024.119871
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100	Dimensions of Measuring Financial Capability: A	Japil Basumatary, Dr.	Commerce	ShodhKosh: Journal of	2024	2582-7472	https://doi.org/10.29121/shodhkosh.v5.i1.2024.35

	Review	Ayekpam Ibemcha Chanu		Visual and Performing Arts			42
101	A Study on operational setup of Bodoland Transport Service	Prasanta Brahma, Rajesh Deb Barman	Commerce	International Journal of Innovation Studies	2024	2096-2487 Electronic: 2589-2975	
102	Assamese Dialect Identification System Using Deep Learning	Hem Chandra Das	Computer Science & Technology	African Journal of Biomedical Research	2024	1119-5096	http://dx.doi.org/10.53555/5/AJBR.v27i3S.3441
103	A Comprehensive Study on State-Of-Art Learning Algorithms in Emotion Recognition	Kshirod Sarmah, Hem Chandra Das, Sisir Kumar Rajbongshi, Swapnanil Gogoi	Computer Science & Technology	International Journal on Recent and Innovation Trends in Computing and Communication	2024	Online: 2321-8169	http://dx.doi.org/10.17762/ijritcc.v11i11.10076
104	Unlocking the Power of Deep Learning for Nutrient Profiling of Black Rice in Goalpara, Assam: Discoveries and Perspectives,	Kshirod Sarmah, Hem Chandra das	Computer Science & Technology	International Journal of Science, mathematics and technology Learning	2024	Print: 2327-7971 Online: 2327-915X	https://doi.org/10.5281/zenodo.11259638
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107	Household Inefficient Electricity Consumption and Its Determinants in Rural Areas	Sijousa Basumatary, Mridula Devi, Konita Basumatary and Iragdao Raja Basumatary	Economics	Journal of Development Policy and Practice	2024	2455-1333 Online: 2455-4952	https://doi.org/10.1177/24551333241245795
108	Socio-Economic, Demographic and Biological Factors Affecting Fertility Differential in Kokrajhar and Udalguri Districts, Assam	Jasmine Brahma, Konita Basumatary	Economics	Universal Journal of Public Health	2024	Print: 2331-8880 Online: 2331-8945	https://doi.org/10.13189/ujph.2025.130117
109	Macroeconomic determinants of income inequality among different income group countries: Evidence from panel data	Iragdao Raja Basumatary, Manjit Das, Sijousa Basumatary, Konita Basumatary	Economics	Journal of Social Economics Research	2024	Electronic: 2312-6264 Print: 2312-6329	https://doi.org/10.18488/35.v11i1.3614
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112	A Study on Importance of Vocational Education at School level	Aroti Basumatary, Dr. Rose Mary Koch	Education	Indian Journal of Psychology	2024	0019-5553	
113	A study on the performance of HSLC examination in the districts of BTR	Ansumwi Basumatary & Jeemina Baglari	Education	Madhya Pradesh Journal of Social Sciences	2024	0973-855X	
114	Spatial variation in performance of socially marginalized students in high school leaving certificate examination 2022, in Assam, India	Heya Brahma, Sibani Basumatari, Jeemina Baglari, Bhobesh Daimary, Pralip Kumar Narzary	Education and Geography	International Journal of Population Studies	2024	2424-8606	http://dx.doi.org/10.36922/ijps.0886
115	Migratory History of Tea Garden Workers of Assam and Its Fictional Representation: Reading of Arupa Patangia Kalita's Novel Josnar Jhitas (2022)	Bulen Chutia, Manab Medhi	English	Anandam: Journal of Anundoram Barooah Institute of Language, Art and Culture, Assam	2024	2394-9023	

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119	Postcolonial Ecology & The Cunning of Modernity: Iyat Ekhon Aranya Asil as a Critique of Postcolonial Modernity	Debajyoti Biswas and Jayashree Haloi	English	Southeast Asian Review of English	2024	0127-046X	http://dx.doi.org/10.22452/sare.vol61no1.3
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122	Assessment of flood disaster and management strategies in the lower Brahmaputra valley of Assam	Pranab Dutta, Sujit Deka	Geography	Bulletin of Geography. Physical Geography Series	2024	I2080-7686	http://doi.org/10.12775/bgeo-2024-0001

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124	Understanding Urban Atmospheric Variability: Implications of Vegetation (Canopy Cover) Dynamics in Assam's Urban Landscapes	Rupjyoti Nath, Sujit Deka	Geography	Environmental and Sustainability Indicators	2024	Online: 2682-3942 Print: 2314-5579	http://doi.org/DOI:10.1016/j.indic.2024.100519
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131	Understanding Human Nature Relationship among the Bodos through Folk Literature	Sudev Chandra Basumatary, Bidintha Narzary	History	Anandam Journal of Anundaram Borooah Institute of Language, Art and Culture, Assam	2024	2394-9023	
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134	Human Landscape Interactions During Ahom Period in Assam	Nilkamal Singha, Oinam Ranjit Singh	History	Puratattva	2024	0970-2105	
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140	Bibliometric Analysis of Renewable Energy and Climate Change Research	Deepak Hajoary, Raju Narzary, Ringku Basumatary, Hem Chandra Das	Management Studies and Computer Science & Technology	Naturalista Campano	2024	1827-7160	
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146	A Study on n-th Derivative of Neutrosophic Function and Neutrosophic Differential Equation	Neutrosophic Sets and Systems	Mathematical Sciences	Neutrosophic Sets and Systems	2024	2331-608X Print: 2331-6055	
147	Application of neutrosophic fourier transform in solving heat equation and integral equation	Prasen Boro, Bhimraj Basumatary	Mathematical Sciences	Neutrosophic Sets and Systems	2024	2331-608X Print: 2331-6055	
148	A Neutrosophic Solution of Heat Equation by Neutrosophic Laplace Transform	Gugu Narzary, Bhimraj Basumatary, Giorgio Nordo	Mathematical Sciences	Neutrosophic Sets and Systems	2024	2331-608X Print: 2331-6055	
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154	Formulation, Proposition and Application of Interval Semigraph	Abdur Rohman WSEA S Google Scholar, Surajit Kr. Nath, Sheetal Sonawane	Mathematical Sciences	WSEAS Transactions on Computer Research	2024	Print: 1991-8755 Electronic: 2415-1521	https://doi.org/10.37394/232018.2024.12.25
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163	Effect of color reconnection and rope formation on strange particle production in p+p collisions at $\sqrt{s} = 13$ TeV using PYTHIA8 Model	Hushnud Hushnud, Kalyan Dey	Physics	Nuclear Physics A	2024	Print: 0375-9474 Online: 1873-1554	https://doi.org/10.1016/j.nuclphysa.2024.122868
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	Assam; Page No. 19-21						
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	Assam						
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