

Outcome of the Research and Academic Cell

Research Paper published in UGC care listed journal (2023 onwards)

1. Publications from All Arts Departments:

S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number
1	Gender and Ecology: A Selected Reading of Tamsula Ao's <i>Laburnum for my Head</i>	Risha Baruah	English	Assonance: A Journal of Russian and Comparative Literary Studies	2023	2394-7853
2	Speciesism and Ecology: Interplay and Interpretations of Venita Coelho's AIA Trilogy	Risha Baruah, Merry Baruah Bora	English	Literary Voice	2023	2277-4521
3	Interrogating Ecological Imperialism in the Neocolonialised Northeast: Selected Reading of Desmond L. Kharmawphlang's Ecopoetry	Risha Baruah	English	Journal of the Department of English, Vidyasagar University	2023	0973-3671
4	Premchandir Nirmala Upanyaxar Majere Futi Utha Purustantrik Xamajar Manasikata	Arnab Sarmah	Assamese	Dwibhashi Rashtrasewak	2023	2321-4945
5	The best exotic Marigold Hotel: Deconstructing the ageing narrative	Jushna Baruah	English	IIS Journal of Arts	2023	2319-5339
6	The Confluence of the 'feminine' with the cults and living realities in Rashmi Narzary's Bloodstone: Legend of the Last Engraving	Kakoli Choudhury	English	Drishti: the sight	2023	2319-8281
7	Representation of women in folk narratives: A reading of Easterines Kire's When the River sleeps and Son of the Thundercloud	Kakoli Choudhury	English	Anandam	2023	2394-9023

2. Publications from Science departments:

S. No.	Transcriptome analysis of gills reveals novel insights into the molecular response of stinging catfish (<i>Heteropneustes fossilis</i>) to environmental hypertonicity	Priyambada Chutia , Manas Das, Nirmalendu Saha	Zoology	Gene	2023	0378-1119
1	Endophytic fungi associated with <i>Brucea mollis</i> Wall. ex Kurz.: a hidden source of antimicrobial and antioxidant metabolites	Deepanwita Deka , Dhruva Kumar Jha	Botany	Biotechnology and Genetic Engineering Reviews	2023	2046-5556
2	Utilization of methanol and ethanol for 3,3'-bis(indolyl)methane synthesis through activation of peroxymonosulfate over a copper catalyst.	Arpita Devi, Mrinmoy M. Bharali, Subir Biswas, Tonmoy Bora, Jayanta K. Nath , Seonghwan Lee, Young-Bin Park, Lakshi Saikia, Manash J. Baruah, Kusum K. Bania	Chemistry	Green Chemistry	2023	1463-9270
3	Heterogeneous iron catalyst for C(1)-H functionalization of 2-naphthols with primary aromatic alcohols.	Subir Biswas, Dipankar Barman, Gautam Gogoi, Nazimul Hoque, Arpita Devi, Siddhartha K. Purkayastha, Ankur Kanti Guha, Jayanta K. Nath and Kusum K. Bania	Chemistry	Organic & Biomolecular Chemistry	2023	1477-0539
4	A Study on the Food and Feeding Habits of the Chocolate Mahseer from Jiyabharali River of Sonitpur District, Assam, India	Bandita Talukdar, Fariha Jabeen and Sudem Basumatary	Zoology	Indian Journal of Natural Sciences	2023	0976 – 0997

5	Syntheses, Structural Insight and Hirsh Field Surface Analysis of Two Heteroleptic Coordination Polymer of Cu(II)	Jayanta K. Nath	Chemistry	Journal of Structural Chemistry	2023	0022-4766
6	A Lanthanide cluster formed by fixing atmospheric CO ₂ to carbonate: A Molecular Magnetic Refrigerant and Photoluminescent Material	Jayanta K. Nath , Ritupon Borah	Chemistry	Journal of Chemical Sciences	2023	0973-7103
7	Syntheses and Crystal Structures of Dinuclear Metallacycle of Mn(II), Co(II), Ni(II), Cu(II) and Cd(II) of 1,8-Naphthalene Dicarboxylate Exhibiting Dihydrogen Contact	Jayanta K. Nath	Chemistry	Journal of Structural Chemistry	2023	0022-4766
8	Impact of urbanisation on the taxonomic and functional diversity of spider assemblages in Guwahati City, Assam, India	Ankita Sharma, Bitupan Deka, Puja Bishaya , Raman Kumar, Narayan Sharma	Zoology	Urban Ecosystems	2023	1083-8155
9	Stability analysis of a targeted chemotherapy-cancer model	A. Das , K. Dehingia, Nabajit Ray , Hemanta K. Sarmah	Mathematics	Mathematical Modelling and Control	2023	2767-8946
10	Investigation of fireball assisted double layer produced in a DC discharge plasma	Paragjyoti Sut, Prarthana Gogoi, Binita Borgohain , Nirab Chandra Adhikary, Heremba Bailung	Physics	Physics Letters A	2024	0375-9601
11	Synthesis, Supramolecular Insight, Hirshfeld Surface Analyses and Magnetic Properties of Two Lanthanide Complexes of 1,8-naphthalene Dicarboxylate	Jayanta K. Nath , Ritupon Bora	Chemistry	Journal of Structural Chemistry	2024	0022-4766
12	Synthesis, Supramolecular Insight, Hirshfeld Surface Analyses and Optical Properties of Fe(II) and Cu(II) Complexes of flexible imidazole tethered 1,8-Naphthalimide.	Jayanta K. Nath	Chemistry	Transition Metal Chemistry	2024	0340-4285

13	High N-Containing Porphyrinic C ₃ N ₄ Hybrid Polymer Material as Efficient Photocatalyst for Selective CO ₂ Reduction.	Jayanta K. Nath	Chemistry	Materials Letters	2024	0167-577X
14	Synthesis, Structural Investigation and Hirshfeld Surface Analyses of Two Imidazolinone based Heterocyclic Compounds	S. Abdullah, S., Deka, F. Abid, Sagar Sharma , Jayanta K. Nath , B.K. Rajbongshi	Chemistry	Journal of Structural Chemistry	2024	2542-0976
15	A discrete-time dynamical model of prey and stage-structured predator with juvenile hunting incorporating negative effects of prey refuge	D. Bhattacharjee, Nabajit Ray , Dipam Das, Hemanta K. Sarmah	Mathematics	Partial Differential Equations in Applied Mathematics	2024	2666-8181