



List of Publication for the academic session January-June 2024

School	School of Pharmaceutical Sciences (Guwahati Campus)
Department	Pharmaceutical Sciences
Publication information	
List of Publication in Journals	
1. Hazarika S, Thakur S, Jadhav HR, Chetia P, Laloo D, Hemalatha S. Investigation of antibacterial potential of <i>Natsiatum herpeticum</i> Buch.-Ham. ex Arn. using in silico-in vitro approach. South African J Bot. 2024; 164;167-179. doi: https://doi.org/10.1016/j.sajb.2023.11.041 (Category: Research article Date of publication: 01/01/2024 Publisher: Elsevier Impact Factor-3.1 Indexed in SCI, Scopus). 2. Sarmah D, Sengupta R. A review on the role of phytoconstituents chrysin on the protective effect on liver and kidney. Curr Drug Discov Technol. 2024. https://doi.org/10.2174/0115701638242317231018144944. (Category: Review article Date of publication: 21/01/2024 Publisher: Bentham Science Indexed in MEDLINE/Pubmed, ESCI, Scopus, Web of Science, UGC-CARE). 3. Baruah H, Sarma A, Basak D, Das M. Exosome: From biology to drug delivery. Drug DelivTransl Res 2024;14(6):1480–516. https://link.springer.com/article/10.1007/s13346-024-01515-y (Category: Review article Date of publication: 22/01/2024 Publisher: Springer Impact Factor: 5.7 Indexed in Scopus, Web of Science). 4. Kalita T, Choudhury A, Shakya A, Ghosh S, Singh UP, Bhat HR. A Review on Synthetic Thiazole Derivatives as an Antimalarial Agent. Curr Drug Discov Technol. 2024 Jan 24. (Category: Review article Date of publication: 24/01/2024 Publisher: Bentham Science Impact Factor: 0.5) Indexed in Scopus). 5. Siddiqui SA, Asante K, Ngah N, Saraswati YR, Wu YS, Lahan M, Aidoo OF, Fernando I, Povetkin SN, Castro-Muñoz R. Edible dragonflies and damselflies (order Odonata) as human food – A comprehensive review. J Insects Food Feed. 2024; 10(7):1081–1106. https://doi.org/10.1163/23524588-20230097 (Category: Review article Date of publication: 24/01/2024 Publisher: Wageningen Academic Impact Factor: 4.7) Indexed in Scopus). 6. Arandhara A, Saha D, Deka DJ, Deka M, Das BK. Redox imbalance and cardiovascular pathogenesis: Exploring the therapeutic potential of phytochemicals. Curr Bioact Compd. 2024;20(9)https://doi.org/10.2174/0115734072279525231210144617 (Category: Review article Date of publication: 24/01/2024 Publisher: Bentham Science Indexed: in Scopus, Web of Science). 7. Bhuyan N, Ghose S, Biswas N, Sultan JA, Laloo D. From Bench to Bedside: Unveiling the Effects of Phloroglucinol as a Promising Neuroprotective Agent in the Battle Against Neurodegenerative Disorders. Curr Behav Neurosci Report. 2024; 11: 106–120. https://doi.org/10.1007/s40473-024-00271-0 (Category: Review article Date of Publication: 30/01/2024 Publisher: Springer Impact Factor – 2.1 Indexed in SCI, Scopus, UGC-CARE). 8. Sultana A, Borgohain R, Rayaji A, Saha D, Das BK. Promising phytoconstituents in diabetes-related wounds: Mechanistic insights and implications. Curr Diabetes Rev. 2024. https://www.eurekaselect.com/article/138827 (Category: Review article Date of publication: 27/02/2024 Publisher: Bentham Science Impact Factor: 2.4 Indexed in ESCI, SCI, Scopus, Web of Science). 9. Prasad RS, Kalita JM, Rai N, Yenorkar NY, Dhaswadikar SR, Sharma P, Dhobi M, Laloo D, Sinha SK, Itankar PR, Prasad SK. Antidiarrhoeal screening of Himalayan edible plant <i>Begonia rubrovenia</i> and its marker followed by its validation using computational analysis. Future J Pharm Sci. 2024; 10: 27. doi: https://doi.org/10.1186/s43094-024-00592-7 (Category: Research article Date of publication- 27/02/2024 Publisher: Springer Impact Factor-	



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- 2.4 | Indexed in SCI, Scopus).
10. Faruk A, Josef Y, Dhiraj B, Atanu S, Hadiuz Z, Abdul HU, Kangkan JS, **Dhimanjit S**. Preliminary in vitro assessment of antimicrobial and haemostatic activity of Spider Web silk extract. Intern J Biol Environ Invest. 2024;10(1):316-322. <https://doi.org/10.33745/ijzi.2024.v10i01.035>
(Category: Research article | Date of publication: 27/02/2024 | Publisher: Saran Publications | Indexed in Web of Science).
 11. Borah C, **Saikia T**, **Bharali A**, Lahan M, **Biswas N**, **Sahu BP**. Development of Paclitaxel Proliposomal Dry Powder Inhaler (PTX-PLM-DPI) by Freeze-Drying Method for Lung Cancer. Drugs and Drug Candidates. 2024; 3(1):275-290. <https://doi.org/10.3390/ddc3010016>
(Category: Research article | Date of Publication: 05/03/2024 | Publisher: MDPI)
 12. Bora SJ, Deka DJ, Malakar C, Kashyap N, **Das BK**. Breast cancer management: The role of nutrition, exercise and psychosocial well-being. Curr Cancer Ther Rev. 2024;20. <https://doi.org/10.2174/0115733947286944240223101937>
(Category: Review article | Date of publication: 11/03/2024 | Publisher: Bentham Science | Impact Factor: 0.4 | Indexed in ESCI, SCI, Scopus, Web of Science).
 13. Chavda VP, Duo Y, Bezbaruah R, **Kalita T**, **Sarma A**, Deka G, Duo Y, **Das BK**, Shah Y, Postwala H. Unveiling the promise: Exosomes as game-changers in anti-infective therapy. Exploration. 2024. <https://doi.org/10.1002/exp.20230139>
(Category: Review article | Date of publication: 12/03/2024 | Publisher: Wiley | Indexed in ESCI, SCI, Scopus, Web of Science).
 14. Siddiqui SA, Ngah N, Wu YS, **Kalita T**, Yudhistira B, Ibrahim SA. Lab-grown insect meat—Chemical and biological insights—A comprehensive review. J Insects Food Feed. 2024 Mar 15;1(aop):1-28.
(Category: Review article | Date of publication: 15/03/2024 | Publisher: Wageningen Academic Publishers | Impact Factor-5.7), Indexed in Scopus).
 15. Devi JR, **Kashyap A**, B. Das. Formulation, Optimization and Evaluation of Sustained Release Tablet of Tramadol Hydrochloride. Indian J Pharm Sci. 2024;86(2):692-702.
(Category: Research article | Date of publication: 25/03/2024 | Publisher: | Impact Factor- 0.5), Indexed in ESCI, Web of Science, UGC-CARE).
 16. **Suchiang IS**. A review on *Dendrocnides inuata* (Blume) chew: A medicinal plant utilized by Tribes in North East, India. Journal of Pharmacognosy and Phytochemistry. 2024; 13(2):601-04. <https://doi.org/10.22271/phyto.2024.v13.i2d.14899>
(Category: Review article | Date of Publication: 03/04/2024)
 17. **Bhuyan C**, **Saha D**, Rabha B. Repellent activity of *Vitex negundo* and *Curcuma longa* herbal extract against *Simulium* species in India. Journal of Vector Borne Diseases. 2024;10.4103. https://doi.org/10.4103/JVBD.JVBD_181_23
(Category: Research article | Date of publication: 12/04/2024 | Publisher: Wolters Kluwer | Impact Factor-0.8), Indexed in Web of Science, ESCI)
 18. Singh M, Saniya, **Sengupta R**, **Das T**, Vishwakarma DK, Aggarwal D, Panda KC, **Das SRC**. Pharmacogenomics studies of Traditional medicine: exploring the genetic basis of plant therapeutics. AFJBS. 2024;6(9):1171-1196. <https://doi.org/10.33472/AFJBS.6.9.2024.1171-1196>.
(Category: Review article | Date of publication: 28/04/2024).
 19. Siddiqui SA, Harahap IA, Osei-Owusu J, **Saikia T**, Wu YS, Fernando I, Perestrelo R, Câmara JS. Bioconversion of organic waste by insects—A comprehensive review. Process Saf Environ Prot. 2024 Apr 28. <https://doi.org/10.1016/j.psep.2024.04.122>
(Category: Review article | Date of Publication - 28/04/2024 | Publisher: Elsevier | Impact Factor – 6.9 | Indexed in Scopus, SCI)
 20. Usapkar P, Saoji S, Jagtap P, Ayyanar M, Kalaskar M, Gurav N, Nadaf S, Prasad S, **Laloo D**, Khan MS, Chikhale R, Gurav S. QbD-guided phospholipid-tagged nanonized boswellic acid naturosomal delivery for effective rheumatoid arthritis treatment. Int J Pharm: X. 2024; 7:100257. <https://doi.org/10.1016/j.iijpx.2024.100257>
(Category: Research article | Date of publication- 01/06/2024 | Publisher: Elsevier | Impact Factor-



List of Publication for the academic session January-June 2024

5.2 | Indexed in SCI, Scopus).

21. Ghosh N, **James R, Saha D, Das BK**. Phytochemicals as autophagy modulators in hepatocellular carcinoma. Curr Bioact Compd. 2024. <https://www.eurekaselect.com/article/141277>
(Category: Research article | Date of publication: 25/06/2024 | Publisher: Bentham Science | Indexed in Scopus, Web of Science).
22. Sultana A, **Das BK, Saha D**. Role of Hentriacontane on Dexamethasone-induced insulin resistance in rats. Pharmacol Res Nat Prod. 2024;4:100063. <https://doi.org/10.1016/j.prenap.2024.100063>
(Category: Research article | Date of publication: 28/06/2024 | Publisher: Elsevier).

List of Publication in a Book Chapter

1. **Das BK, Sarma A, Goswami AK**. Gut-health pharmacology: Integrating microbiota insights with natural product based therapies. In: Rudrapal M, Egbuna C, Cho WC, editors. Biochem Mol Pharmacol Drug Dis. A volume in drug discovery update. Elsevier; 2024. p. 377-399. ISBN number: 978-0-443-16013-4.
<https://www.sciencedirect.com/science/article/abs/pii/B978044316013400018X>
2. Kalita P, **Sarma A, Ahmed AB**, Deka S. Theory, modeling simulation and LCA of nanofilled polymer blends. In: Thomas S, George SC, Nair ST, editors. Nanofillers for Binary Polymer Blends, Elsevier, 2024, ISBN: 978-0-323-88655-0. <https://doi.org/10.1016/B978-0-323-88655-0.00011-2>.
3. Sarmah D, Bhandari B, Bora A, **Sengupta R**. A nutritional approach toward the prevention management of Cancer. In: Devi R, ChandeKalyani U, editors. Nutritional management of cardiovascular diseases. Academic Decipher Press. 2024. p. 63-75 Vol I, Chapter 9. ISBN: 978-81-964365-8-2.
4. **Saikia T, Kalita T, Sahu BP**, Rajak P, **Deka B, Bharali A**. Mechanistic Aspects of Neurodegeneration in Alzheimer's Disease and the Role of Phytochemicals. In: Bhattacharya K, Bhattacharjee A, editors. Computational and Experimental Studies in Alzheimer's Disease. CRC Press: Taylor & Francis; 2024. p. 91-121. ISBN: 978-10-325300-7-9.
5. Nongrang L, Bezbaruah R, **Kalita T**, Deka K, Gogoi B, Sadhu P. Global Impact of Delta and Omicron Variants of SARS-CoV-2. In: Chavda VP, Uversky VN, editors. SARS-CoV-2 Variants and Global Population Vulnerability. Apple Academic Press: Taylor & Francis; 2024. p. 119-162. ISBN number: 978-10-034679-3-9.
6. Sarma T, **Das T, Saha D, Das SR**, Mishra SB, Singh AK, Chanda I. Overview of Functional Foods and Their Impact On Osteoporosis. In: Keservani RK, Ahire ED, editors. Applications of Functional Foods in Disease Prevention. Apple Academic Press; 2024. p. 293-324. ISBN: 9781774913604
7. **Bharali A, Ghose S, Laloo D, Kalita JM**, Gouranga D, Prasad SK. Genome Mining: Recent Trends of Drug Discovery in Natural Products. In: Chakraborty R, Sen S, Editors. Natural Medicine, Bentham Science Publishers Pte. Ltd. (Singapore). August 2023, volume-2, pp. 35-54. ISBN (Online): 978-981-5136-32-6; ISBN (Print): 978-981-5136-33-3

List of Publication in Patent

1. Minhas PS, Yadav AK, **Sengupta R**, Tavker N, Jadhav SS, Mundhe SG, Savekar RA, Ravichandran.S, Sathishkumar T, Firangi S, Choudhary S. Equipment used for measurement of HLB value of surfactants. Indian Patent. 403727-001. 2024 January 3 [Cited 2024 March 15]. (Date of Patent Published-15/03/2024).



List of Publication for the academic session January-June 2024

School	School of Pharmaceutical Sciences (Tezpur Campus)
Department	Pharmaceutical Sciences
Publication information	
List of Publication in Journals	
1. Bhattacharjee B, Rynjah D, Ahmed AB, Newar A, Sengupta S, Chakrabarty S, Sahu RK, Khan J. Overview of diagnostic tools and nano-based therapy of SARS-CoV-2 infection. Chemical Papers. 2024 Feb;78(4):2123-54. https://doi.org/10.1007/s11696-023-03271-8 (Category: Review article Date of Publication-17/01/2024 Springer Impact Factor- 2.1 Indexed in SCI, ESCI, Scopus, Web of Science) 2. Chavda VP, Balar PC, Bezbaruah R, Vaghela DA, Rynjah D, Bhattacharjee B, Sugandhi VV, Paiva-Santos AC. Nanoemulsions: summary of a decade of research and recent advances. Nanomedicine. 2024 Mar 1;19(6):519-36. https://doi.org/10.2217/nnm-2023-0199 (Category: Review article Date of Publication-31/01/2024 Taylor and Francis Impact Factor- 5.7 Indexed in SCI, ESCI, Scopus, Web of Science) 3. Sahariah M, Chowdhury R, Pegu P, Ali F, Dutta RS, Sahu S. Design, synthesis and in-vitro anti-depressant activity evaluation of some 2-styrylbenzimidazole derivatives. Future Journal of Pharmaceutical Sciences. 2024; 15;10(1):20. https://doi.org/10.1186/s43094-024-00589-2 (Category: Research article Date of Publication-15/02/2024 Springer Impact Factor- 3.4 Indexed in SCI, ESCI, Scopus, Web of Science) 4. Dhameliya TM, Patel DS, Kathuria D, Shah MB, Dabhade AS, Dave HS, Lad NC, Chaudhari AZ, Alom S, Vyas VK, Bhatt HG. Biannual Account of Anti-malarial Agents reported in 2021 and 2022: A Comprehensive Coverage. Chemistry Select. 2024;11;9(10):e202303982. https://doi.org/10.1002/slct.202303982 (Category: Review article Date of Publication-07/03/2024 Wiley Impact Factor- 2.1 Indexed in SCI, Scopus, Web of Science) 5. Bhattacharjee B, Rynjah D, Newar A, Chakrabarty S, Sahu RK. Anthelmintic Herbal Remedies of North Eastern India: An Ethnopharmacological Exploration. Current Traditional Medicine. 2024, Volume 10. https://doi.org/10.2174/0122150838281547240219114943 (Category: Review article Date of Publication-08/03/2024 Bentham Science Impact Factor- 0.6 Indexed in SCI, ESCI, Scopus, Web of Science) 6. Chavda VP, Vuppu S, Balar PC, Mishra T, Bezbaruah R, Teli D, Sharma N, Alom S. Propolis in the management of cardiovascular disease, International Journal of Biological Macromolecules. 2024;266:131219. https://doi.org/10.1016/j.ijbiomac.2024.131219. (Category: Review article Date of Publication-30/03/2024 Elsevier Impact Factor- 7.7 Indexed in SCI, Scopus) 7. Ali SR, Deori C, Gogoi GK, Borah NJ, Kalita PP, Chowdhury R, Kaur S, Kakoti BB. Liposomic nano particles in the treatment of colorectal and ovarian cancer. European Journal of Medicinal Chemistry Reports. 2024 Aug; 11, 100149. https://doi.org/10.1016/j.ejmcr.2024 (Category: Review article Date of Publication-15/03/2024 Elsevier Impact Factor- 4 Indexed in SCI, ESCI, Scopus, Web of Science) 8. Dutta RS, Sahu S, Baishya R, Pachuau L, Kakoti BB, Mazumder B. Essential oils extracted from <i>Citrus macroptera</i> and <i>Homalomena aromatica</i> (Spreng.) Schott. exhibit repellent activities against <i>Aedes aegypti</i> (Diptera: Culicidae). Journal of Vector Borne Diseases.:10-4103. https://doi.org/10.4103/0972-9062.392256 (Category: Research article Date of Publication- March 2024 Wolters Kluwer Impact Factor- 0.8 Indexed in ESCI, Web of Science) 9. Dutta RS, Elhassan GO, Devi TB, Bhattacharjee B, Singh M, Jana BK, Sahu S, Mazumder B, Sahu RK, Khan J. Enhanced efficacy of β-carotene loaded solid lipid nanoparticles optimized and developed via central composite design on breast cancer cell lines. Heliyon. 2024; e28457.	



List of Publication for the academic session January-June 2024

<https://doi.org/10.1016/j.heliyon.2024.e28457>

(Category: Research article | Date of Publication- 15/03/2024 | Cell Press | Impact Factor- 4 | Indexing: Scopus, SCI)

10. **Ahmed AB**, Chetia P. Selegiline modulates inflammatory indicators in RAW 264.7 macrophages and LPS-aggravated CFA-induced rheumatoid arthritis in rats. *Eur J Clin Exp Med* 2024; 22 (1): 6–16.

<https://doi.org/10.15584/ejcem.2024.1.12>

(Category: Research article | Date of Publication- March 2024 | Rzeszow | Impact Factor- 0 | Indexing: Scopus)

10. Harshadeep Seal, Namrata Koushik. Artemisia: A Promising Herbal Approach for the Treatment of Cancer. *International Journal of Research in Pharmacy and Allied Science*. 2024; 3(1): 147-152.

(Category: Review article | Date of Publication- March 2024 | IJRPAS publisher)

11. Kakoti BB, **Alom S**, Deka K, Halder RJ. AMPK pathway: an emerging target to control diabetes mellitus and its related complications. *J Diabetes Metab Disord* **23**, 441–459 (2024).

<https://doi.org/10.1007/s40200-024-01420-8>

(Category: Review article | Date of Publication- 18/04/2024 | Springer | Impact Factor- 1.8 | Indexing Scopus and SCI)

List of Publication in a Book Chapter

1. **Bhattacharjee B**, Sandhanam K, **Ghose S**, Barman D, Sahu RK. Market Overview of Herbal Medicines for Lifestyle Diseases. In *Role of Herbal Medicines: Management of Lifestyle Diseases 2024* Feb 27 (pp. 597-614). Singapore: Springer Nature Singapore. ISBN:978-981-99-7702-4.

https://doi.org/10.1007/978-981-99-7703-1_30

2. Gogoi NR, Bezbaruah R, Patel V, Satasia R, **Bhattacharjee B**, Mazumder B. Regulatory Pathways for Nanocarrier Vaccine. *Nanocarrier Vaccines: Biopharmaceutics-Based Fast Track Development*. 2024 Dec 2:465-85. ISBN: 978-1-394-17468-3. https://doi.org/10.1007/978-981-99-7703-1_30

3. **Bhattacharjee B**, Bezbaruah R, **Rynjah D**, **Newar A**, Valu D, Ahmed N, Kumar P. Proteogenomics and immuno-peptidomics in the development of advanced vaccines. In *Advanced Vaccination Technologies for Infectious and Chronic Diseases 2024* Jan 1 (pp. 455-475). Academic Press. ISBN: 9780443185649, <https://doi.org/10.1016/B978-0-443-18564-9.00019-9>

4. **Alom, S., Ali, F.**, Kakoti, B.B., Choudhury, S. and Ahmed, A.B. (2024). Lichen as a Raw Material in Perfumery and Cosmetic Industries. In *Chemistry, Biology and Pharmacology of Lichen* (eds A.K. Das, A. Sharma, D. Kathuria, M.J. Ansari and G. Bhardwaj). Print ISBN:9781394190676 | Online ISBN:9781394190706, <https://doi.org/10.1002/9781394190706.ch17>

5. **Ali, F., Alom, S.**, Gohain, A., Ali, S.R., Guha, N. and Kumari, S. (2024). Commercial and Traditional Uses of Lichen. In *Chemistry, Biology and Pharmacology of Lichen* (eds A.K. Das, A. Sharma, D. Kathuria, M.J. Ansari and G. Bhardwaj). Print ISBN:9781394190676 | Online ISBN:9781394190706 <https://doi.org/10.1002/9781394190706.ch10>

List of Publication in Patent

1. **Bhattacharjee B**, Sahu RK, Sandhanam K, Tamilanban T; Ampoule integrated with a filter system. Indian Patent (Application No- 416959-001)

(Date of patent published/filed- 14/05/2024 | Date of granted- 05/07/2024).

School	School of Allied Health Sciences
Department	Department of Medical Laboratory Technology

Publication information

List of Publication in Journals

1. Pinku M, Phukan JK, **Vidhya S**. Oxidative Stress Markers In Type 2 Diabetes Mellitus. *International Journal of Advanced Research*. <http://dx.doi.org/10.21474/IJAR01/18987>

(Category: Review article | Date of publication: 28/05/2024).



List of Publication for the academic session January-June 2024

School	School of Engineering & Technology
Department	Civil Engineering (CE)

Publication information

List of Publication in Journals

1. **Kaushik S**, Dasgupta K. Evaluation of plastic hinge length in RC shear wall connected with floor slabs. Discover Civil Engineering. 2024 May 13;1(1):10, <https://doi.org/10.1007/s44290-024-00010-02> (Category: Research article | Date of Publication-13/05/2024 | Publisher: Springer|Impact Factor: 0 | Indexing: -)

List of Publication in Journal Proceedings

1. Sweta Guduru, Selva Kumar P, J.P.Annie Sweetlin Jebarani, **S. Robert Ravi**, Haider Alabdeli. Effect of leachate containments on Clay liners. International Conference on Sustainable Goals in Materials, Energy and Environment, ICSMEE'24, E3S Web of Conferences 529, 2024, Article no. 01006, published online on 29 May 2024, <https://doi.org/10.1051/e3sconf/202452901006>, (Category: Research article | Scopus Indexed).
2. **Anwesha Gayan**, Debanjan Patgiri, Nilamjit Kour, Yashobrat Sharma, A Study on Compressive Strength of Concrete Using Stone Dust as a Partial Replacement of Fine Aggregate, **Journal of Civil Engineering and Environmental Technology**, 2024, 27:29,3, <http://www.krishisanskriti.org/Publication.html>. (Category: Research article)
3. **Medhi BJ**, Firduz, J., Sharma, P. and Das, S. (2024, March). An Experimental Study on the Geotechnical Properties on Cement and Lime Treated Sandy Soil. **Journal of Civil Engineering and Environmental Technology**, 2024, 30:34, <http://www.krishisanskriti.org/Publication.html> (Category: Research article)

List of Publication in a Book Chapter (Vancouver format)

1. **S. Robert Ravi**, Environmental Impact Assessment - Processes & Attributes, Volume 3, Book7, Part 1, Chapter 8, Page 91-111, Futuristic Trends in Social Sciences e-ISBN: 978-93-5747-727-7, IIP Series, <https://www.doi.org/10.58532/V3BJSO7P1CH8>

List of Publication in Patent (Vancouver format)

1. Veeresh. B. Karikatti, Dudhal Kenchappa Manageni, Chandresh Kumar Gopalbhai Patel, Shreya Ahire, Hiralkumar Vinod Chandra Patel, Paresh Kumar Hargovindbhai Patel, Ronak Kumar Nilesbhai Modi, Belsam Jeba Ananth, **Robert Ravi**, Shivaram, Harikumar Pallathadk, High Performance Eco-friendly Construction Materials for Sustainable Infrastructure Development. App. No: 202441009054, Filed on 10.02.24, Published on 08.03.24, <https://www.ipindia.gov.in>, Journal no: 10/2024, Part 1, pg. 511, ref: search.ipindia.gov.in/IPOJournal/Journal/viewJournal

School	School of Engineering & Technology
Department	Mechanical Engineering (ME)

Publication information

List of Publication in Journals

1. Mohite A, Bora BJ, Sharma P, Sarıdemir S, **Mallick D**, Sunil S, Ağbulut U. Performance enhancement and emission control through adjustment of operating parameters of a biogas-biodiesel dual fuel diesel engine: An experimental and statistical study with biogas as a hydrogen carrier. Int J Hydrogen Energy. 2024 Jan 2;52: 752-64. <https://doi.org/10.1016/j.ijhydene.2023.08.201> (Category: Research article | Date of Publication: 02/01/2024 | Elsevier |Impact Factor: 7.2 | Indexing: Scopus, SCIE)

List of Publication in a Book Chapter

1. **Pathak KK**, Giri A, Barkataki R, Saikia MA, Mahanta S. Thermal Analysis of a Steam Turbine Unit of Namrup Thermal Power Plant, Assam, India. In: Pandey SM, Maurya A, Hirwani CK, Shukla OJ,



List of Publication for the academic session January-June 2024

- editors. Challenges and Opportunities in Industrial and Mechanical Engineering: A Progressive Research Outlook. 1st ed. CRC Press: Taylor and Francis; 2024. p.235-245. ISBN Number: 9781032713229. <https://doi.org/10.1201/9781032713229>
2. Sonowal J, **Pathak KK**, Das B. Experimental study of free convective heat transfer from shrouded finned horizontal channel. India. In: Pandey SM, Maurya A, Hirwani CK, Shukla OJ, editors. Challenges and Opportunities in Industrial and Mechanical Engineering: A Progressive Research Outlook. 1st ed. CRC Press: Taylor and Francis; 2024. p. 360-367. ISBN Number: 9781032713229. <https://doi.org/10.1201/9781032713229>

School	School of Engineering & Technology
Department	Computer Science and Engineering (CSE)
Publication information	
List of Publication in Journals	
1. Kalita M , Mahanta LB, Anup Kumar Das, Nath M. A new deep learning model with interface for fine needle aspiration cytology image-based breast cancer detection. Indonesian Journal of Electrical Engineering and Computer Science. 2024;34(3):1739–9. (Category: Research article Date of Publication: 01/06/2024 Publisher: Institute of Advanced Engineering and Science (IAES) Impact Factor: 0 Indexing: Scopus, SCI)	
2. Medhi S, Gogoi M . PM2. 5 concentration prediction using Generative adversarial network: A novel approach. Journal of Applied and Natural Science. 2024;19;16(2):704-12. https://doi.org/10.31018/jans.v16i2.5510 (Category: Research article Date of Publication: 19/06/2024 Publisher: Applied and Natural Science Foundation Impact Factor: 0 Indexing: 0)	
3. Medhi S, Gogoi M . PM2.5 Prediction Using Homogenous and Heterogenous Ensemble Learning: A Comprehensive Evaluation. Journal of Computer Science, 2024; 20(9):931-954. https://doi.org/10.3844/jcssp.2024.931.954 (Category: Research article Date of Publication: 01/06/2024 Institute of Advanced Engineering and Science (IAES) Impact Factor: 0 Indexing: Scopus, SCI)	
4. Pathak AJ , Barman U, Kumar TS . Machine learning approach to detect android malware using feature-selection based on feature importance score. JER [Internet]. 2024; (March). Available from: https://doi.org/10.1016/j.jer.2024.04.008 (Category: Research article Date of publication – 20/04/2024 Elsevier Impact Factor 0.9 Indexed in SCIE, Scopus)	
List of Publication in a Book Chapter	
1. Medhi S, Dutta R, Ahmed M . The Role of Artificial intelligence in Transforming Learning and Teaching Scenario. International Conference Beyond Borders and Boudaries: Indigenous Cultures Now and Then, 2024 Jan, GCU, Assam.	

School	School of Management and Commerce
Department	Business Administration
Publication information	
List of Publication in Journals	
1. Sharma D . Do cognitive biases influence investment decisions based on technical factors? Sachetas. 2024;28;3(2):15–22. https://doi.org/10.55955/320003	



List of Publication for the academic session January-June 2024

(Category: Research article | Date of Publication: 28/06/2024 | Publisher: Sachetas | **Impact Factor: 0** | **Indexing: -**)

2. **Sharma D**, Sarma N. Impact of Behavioral Biases on Fundamental Analysis Factors of Investment Decision: A Study on Retail Investors in Assam. The IUP Journal of Applied Finance; 2024; 30;30(1):1-15.

(Category: Research article | **Date of Publication: 30/01/2024** | **IUP** | **Impact Factor: 0** | **Indexing: -**)

School	School of Humanities & Social Sciences
Department	Department of English and Foreign Languages

Publication information

List of Publication in a Book Chapter

1. **Goswami, N.** Voicing the Slum. In: Rajendra Baikady, S.M Sajid, Jaroslaw Przeperski, Varoshini Nadesan, M. Rezaul Islam, Jianguo Gao (Eds). The Palgrave Handbook of Global Social Problems. Palgrave Macmillan, Cham. 2024. https://doi.org/10.1007/978-3-030-68127-2_341-1 [Springer Link] (Published January 2024)

School	School of Humanities & Social Sciences
Department	Department of Economics

Publication information

List of Publication in a Book Chapter

1. **Bhuyan S.** Diversification of Higher Education and Use of ICT Tools: An Analytical Approach. In: E. S. Smhachalam editors. ICT And E-governance Application in Rural Development. 1st ed. New Delhi: Akansha Publishing House; (2024). p. 1-11. ISBN number: 978-81-8370-671-1.
2. **Bhuyan S.** Advancing Business Practices through Integrative Indigeneous Management-A Focus on Strategies for Sustainable Development. In: Goswami N. et al editor. Beyond Border& Boundaries Indigeneous Cultures Now and Then, 1st ed. Guwahati: Purbayan Publication & Girijananda Chowdhury University, Assam; (2024). p. 388-400.

School	School of Natural Sciences
Department	Department of Mathematics

Publication information

List of Publication in Journals

1. Li Q, **Kashyap AJ**, Zhu Q, Chen F. Dynamical behaviours of discrete amensalism system with fear effects on first species. Mathematical Biosciences and Engineering. 2024; 21(1): 832-860. <https://doi.org/10.3934/mbe.2024035>
(Category: Research article | Date of publication: January 2024 | Publisher: AIMS Press | Impact Factor- 2.6 | Indexed in Scopus, Web of Science)



List of Publication for the academic session January-June 2024

School	School of Natural Sciences
Department	Department of Zoology

Publication information

List of Publication in Journals

1. Saharia S, Nath M, Kalita S, Kalita D, **Bardoloi S**. Identification and toxicity evaluation of *Beauveria* sp. associated with white Muscardine disease in Muga silkworm *Antheraea assamensis* Helfer. Indian J Entomol. 2024; 86(2):414–418.. <https://doi.org/10.55446/IJE.2024.1698>
(**Date of publication:** February 2024 | **Publisher:** Entomological Society of India | **Impact Factor-** 0 | **Indexed** in Scopus, UGC-CARE).

Summary count (Jan-June 2024)

Research Article	: 23
Review Article	: 21
Book Chapter	: 19
Journal Proceedings	: 03
Patent	: 03
Total publication	: 69

Scopus indexed	: 30
Non-scopus indexed (But indexed in UGC-CARE/Web of Science/Others)	: 14