



List of Publication for the academic session July-Dec 2024

School	School of Pharmaceutical Sciences (Guwahati Campus)
Department	Pharmaceutical Sciences

Publication information

List of Publication (Review/Research) in Journals (Vancouver format)

Research publications (Total-11)

1. Bordoloi C, Das R, **Kumar S**, Prasad SK, **Ghose S**, **Laloo D**. Quality control standardization, nutritional profiling, phytochemical analysis, and investigation into antioxidant and antimicrobial potential of *Begonia palmata* D. Don. leaves. *Vegetos*. 2024;1-11. <https://doi.org/10.1007/s42535-024-01108-7> (Date of publication- 21/11/2024 | Publisher: Springer | Impact Factor- 0 | Indexed in Scopus).
2. Das J, Lahan M, **Bharali A**, **Ghose S**, **Sahu BP**, **Laloo D**, **Biswas N**. Enhancing resveratrol pharmacokinetics and cytotoxicity in ovarian cancer cells via nanostructured lipid carriers. *J DisperSci Technol*. 2024;1-12. <https://doi.org/10.1080/01932691.2024.2416460> (Date of publication- 15/10/2024 | Publisher: Taylor & Francis | Impact Factor- 1.9 | Indexed in Scopus, WoS).
3. Sarma SK, Dutta U, **Das BK**, **Bharali A**, **Laloo D**, **Kalita JM**, **Sahu BP**. Evaluation of Lakadong turmeric derived curcumin nanogel against resistant biofilms: In-silico, antibacterial and antibiofilm analysis. *J Appl Pharm Sci*. 2024;14(09):208–216. <http://doi.org/10.7324/JAPS.2024.170144> (Date of publication- 05/09/2024 | Publisher: Taylor & Francis | Impact Factor- 0 | Indexed in Scopus, WoS).
4. Sonowal A, **Bharali A**, **Saikia T**, **Kushari S**, Lahan M, **Kalita JM**, **Biswas N**, **Laloo D**, **Sahu BP**. *Citrus aurantifolia*-derived carbon quantum dots with red fluorescence emission for codelivery with curcumin as theranostic liposomes for lung cancer. *Futur J Pharm Sci*. 2024;10:116 <https://doi.org/10.1186/s43094-024-00689-z> (Date of publication- 03/09/2024 | Publisher: Springer Nature | Impact Factor- 3.4 | Indexed in Scopus, WoS).
5. **Kumar S**, Nikam YP, Baruah S, **Kushari S**, **Ghose S**, Prasad SK, **Das A**, **Banu ZW**, **Kalita J**, **Laloo D**. Safety profile assessment of standardized root extract of *Potentilla fulgens* in Wistar rats: Acute and sub-acute dermal toxicity study. *J Applied Pharm Sci*. 2024. (Article-In-Press) <https://doi.org/10.7324/JAPS.2024.184938> (Date of publication- 05/09/2024 | Publisher: Open Science Publishers | Impact Factor- 0 | Indexed in Scopus, WoS).
6. Sarma H, Dutta A, **Bharali A**, Rahman SS, Baruah S, Biswas N, **Sahu BP**. pH sensitive lipid polymeric hybrid nanoparticle (LPHNP) of paclitaxel and curcumin for targeted delivery in breast cancer. *Drug Development and Industrial Pharmacy*. 2024 Oct 2;50(10):856-64. <https://doi.org/10.1080/03639045.2024.2421198> (Date of publication- 03/11/2024 | Taylor & Francis | Impact Factor- 2.4 | Indexed in SCI, Scopus)
7. Lahan M, **Saikia T**, Dutta K, Baishya R, **Bharali A**, Baruah S, Bharadwaj R, Medhi S, **Sahu BP**. Multifunctional approach with LHRH-mediated PLGA nanoconjugate for site-specific codelivery of curcumin and BCL2 siRNA in mice lung cancer. *Future Journal of Pharmaceutical Sciences*. 2024; 10(1):163. <https://doi.org/10.1186/s43094-024-00743-w> (Date of publication- 20/11/2024 | Springer | Impact Factor-3.4 | Indexed in SCI, Scopus, UGC-CARE)
8. Devi JR., Kalita B, **Das T**. Formulation and Evaluation of Phytosome Drug Delivery System of Camellia sinensis (Polyphenols). *African Journal of biological sciences*. 2024;6(13);6533-6544. <https://doi.org/10.48047/AFJBS.6.13.2024.6533-6544> (Date of publication- 15/08/2024 | Publishers: Institute of Advanced Studies | Impact Factor- NA | Indexed in None)
9. Nath D, **Das SRC**, **Ghose S**, **Das T**, Chowdhury S, Mazumder R. Exploring the phytochemicals and in vitro anticancer activities of *Torenia crustacean*. *Discover Plants*. 2024;1(12). <https://doi.org/10.1007/s44372-024-00011-4>



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(Date of publication- 30/07/2024 | Springer Nature Publishers | Impact Factor- NA | Indexed in None)

10. Kumara Swamy S, Karavadi T, Shrinivas B, Patel G, Nath J, **Deka B**, Rahul Lotan S, Deshpande PB. Physiological, in-vitro, and analytical studies of cellular oxidative stress for evaluation of antioxidant pharmacological effects of natural polysaccharide in fast dissolving tablet formulations. *Health Informatics Journal*. 2024 Dec;13(5):379-392. <https://doi.org/10.52783/fhi.vi.1253>

(Date of publication- 07/12/2024 | Publisher: Iranian Medical Informatics Association (IrMIA) | Impact Factor- NA | Indexed in Scopus)

11. **Saikia T**, Rajak P, **Sahu BP**, **Patowary L**. Enhanced lung cancer therapy via co-encapsulation of docetaxel and betulinic acid. *Drugs and Drug Candidates*. 2024;3(3):566–597. <https://doi.org/10.3390/ddc3030033>

(Date of publication - 29-08-2024 | Publisher : MDPI)

Review publications (Total-06)

1. **Saikia T**, Khanam A, Ahmed N, **Bharali A**, **Kalita T**, Rajak P, **Sahu BP**, **Patowary L**. Disrupting Tumour Niches: Advanced Strategies for Targeting the Tumour Microenvironment in Cancer Therapy. *Current Cancer Therapy Reviews*. 2024. <https://doi.org/10.2174/0115733947341257241018150125>

(Date of publication- 29/10/2024 | Bentham Science Publishers | Impact Factor- NA | Indexed in Scopus)

2. Chowdhury S, Nath D, **Das SRC**, Kar K, Chakraborty P, Kapoor UD, Prajapati BG. Nanotechnology based herbal drug delivery system: Current insights and future prospects. *Current Nanomedicine*. 2024. <https://doi.org/10.2174/0124681873349580241113081309>

(Date of publication- 18/11/2024 | Bentham Science Publishers | Impact Factor- NA | Indexed in Scopus)

3. Siddiqui SA, Srikanth SP, Wu YS, **Kalita T**, Ambartsumov TG, Tseng W, Kumar AP, Ahmad A, Michalek JE. Different types of algae beneficial for bone health in animals and in humans—A review. *Algal Research*. 2024;82:103593. <https://doi.org/10.1016/j.algal.2024.103593>

(Date of publication: 04/07/2024 | Publisher: Elsevier | Impact Factor - 4.6 | Indexed in Scopus).

4. 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 Safety and Environmental Protection*. 2024;187:1–25. <https://doi.org/10.1016/j.psep.2024.04.122>

(Date of publication- July, 2024 | Publisher: Elsevier | Impact Factor- 6.9 | Indexed in SCI).

5. Das M, **Sarma A**, Baruah H, Basak D. Insight into central nervous system targeted nanostructured lipid carriers via the nose to brain pathway. *RSC Pharmaceuticals*. 2024;1;904-927. <https://doi.org/10.1039/D4PM00057A>

(Date of publication- 13/09/2024 | Publisher: RSC | Impact Factor- NA | Indexed in None).

6. Kalita B, **Chakraborty T**, **Ghose S**, Kalita B. A Literature-Based Study of Tardive Dyskinesia- From Pathogenesis to Treatment. *Current Psychopharmacology*. 2024;12;e22115560304943. <https://doi.org/10.2174/0122115560304943240822052622> (Date of publication- 03/09/2024 | Publisher: Bentham Science | Impact Factor- NA | Indexed in None).

List of Publication in a Book Chapter (Total- 06)

1. **Nath J**, Bordoloi C, **Bharali A**, **Sahu BP**, **Laloo D**. Recent updates in natural product research and novel approaches of drug delivery using phytomolecules. In: Chakraborty R, Sen S editors. *Natural Medicine: Therapeutic Insights into Herbal Medicine through the Use of Phytomolecules*. Volume 3. Bentham Books, Singapore; 2024. p. 64-91. ISBN number (Online): 978-981-5238-12-9; ISBN number (Print): 978-981-5238-13-6. <https://doi.org/11.2020/j.sc.2020.006545x>

2. Kashyap A, **Sarma A**, **Das BK**, Goswami AK. Rational design of natural products for drug discovery. Computational methods for rational drug design Rudrapal M, editor. Wiley Online Library. 2024, p. 285-309. ISBN number: 9781394249169. <https://doi.org/10.1002/9781394249190.ch13>

3. Hazarika H, **Das BK**. Medical Devices in Pharmacy Practices. *Pharmaceutical Law & Ethics*. Notion



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Press Publisher, India, 2024, p. 461-487

4. Kalita P, Hazarika QK, **Deka B**, Pachau L. Tamarind Seed and Its Role in Cancer Prevention and Control. In: Seeds: Anti-proliferative Storehouse for Bioactive Secondary Metabolites 2024 Aug 31 (pp. 681-705). Singapore: Springer Nature Singapore. ISBN Number: 978-981-97-3014-8 https://doi.org/10.1007/978-981-97-3014-8_23
5. Kalita P, Hazarika QK, **Deka B**, Pachau L. Seed Containing Antiproliferative Drug in Phyto-Pharmaceutical Industry and Market. Seeds: Anti-proliferative Storehouse for Bioactive Secondary Metabolites. 2024 Aug 31:81-112. ISBN Number: 978-981-97-3014-8 https://doi.org/10.1007/978-981-97-3014-8_3
6. Kalita P, **Sarma A**, Ahmed AB, Deka S. Theory, modeling simulation, and life cycle assessment of nanofilled polymer blends. In: Thomas S, George SC and Nair ST editors. Nanofillers for Binary Polymer Blends. Elsevier; 2024. p. 483-505. ISBN number: 978-0-323-88655-0. <https://doi.org/10.1016/B978-0-323-88655-0.00011-2>

List of Publication in Patent (Total-03)

1. Pandharinath GP, Dadhich R, Ram N, Choudhary N, Bhatia M, **Das T**. Double distillation apparatus for extraction of herbal constituents; Indian patent Design No. 396454-001, Date of granted: 02/07/2024.
2. Bodake PL, Munde AV, Sadgir P, Rao YS, Darne CS, Baig AA, Yadav RR, Nath J, **Deka B**, Sharma P, inventors; The Patent Office, Government of India, assignee. Dissolution test apparatus for controlled release drug delivery systems [Internet]. Design No. 420712-001. 2024 August 25 (Date of patent published- 25/08/2024 | Date of granted- NA).
3. Wal A, Kanwal A, Pandey H, Triveni S, Mathappan R, Amin S, Bajpai DK, Singh A, Rathod SM, Patel NC, Nath J, **Deka B**, The Patent Office, Government of India, assignee. Novel nanotube as a modified drug release carrier for anti-cancer drug. [Internet]. Application No. 202411046829. 2024 July 26 (Date of patent published/filed- 26/07/2024 | Date of granted- NA).

Research paper presented (Invited Speaker/Oral/Poster) at State, Regional, National and International level Conference (Online/Offline/hybrid mode)

1. **Damiki Laloo**. Basics of extraction, isolation and identification of phytochemicals. Seven days Workshop on 'Advanced Tools and Techniques in Phytochemical Extraction and Identification'. Organized by Institutional Biotech Hub of the Department of Biotechnology, Gauhati University, Guwahati, Assam. Dated: 22.07.2024–28.07.2024 (**Invited Speaker**).
2. **Rupa Sengupta**. Invited as **Resource Person** for Certificate course on Regulatory and forensic aspects of herbal formulation. Organized by Sharda School of Pharmacy, Gandhinagar, Gujarat. Dated: Aug-Sep 2024. (**Invited Resource Person**)
3. **Asha Das**. From Grain to Green: Oxidized Komal Saul Rice Starch as a Renewable Polymer Source for Drug delivery systems. 3rd National Annual Conference of North Eastern Medical Pharmacological Society (NEMPSCON 2024). Organized by the Department of Pharmacology, Guwahati Medical College and Hospital, in collaboration with AIIMS, Guwahati. Dated: 16.11.2024-17.11.2024. (**Oral presentation Offline**)
4. **Smriti Rekha Chanda Das**. Isolation, characterization and evaluation of antioxidant activity of phytoconstituent from *Gamocheta pensylvanica* (willd) Cabrera: Unveiling the potential of a promising and unexplored medicinal plant. 27th Annual National Convocation (APTICON 2024) on Beyond the counter: Transforming pharmacy education for industry and patient impact. Organized by APTI, India at Utkal University, Bhubaneswar, Orissa. Dated: 27.09.2024-28.09.2024. (**Oral presentation Offline**)
5. **Anupam Sarma**. Development of Bovine Milk Derived Exosomes as Drug Carrier System for Improved Brain Bioavailability of Curcumin Through the Nose-to-Brain Pathway. Extracellular Vesicles Conference 2024 (TURSEV2024). Organized by Turkish Society of Extracellular Vesicles at Middle East Technical University. Ankara, Turkey. Dated: 20.09.2024-21.09.2024. (**Oral**)



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Presentation Offline)

6. **Susankar Kushari.** L-theanine from *Camellia sinensis* (L.) ameliorates protective effect against Huntington's disease via downregulation of oxidative stress parameters and alteration in neurotransmitters in a 3-nitropropionic acid induced model. National Seminar on Recent Advancement in Ayurveda. Organized by Ayurvedic Medical Organization (AMO), Govt. Ayurvedic College & Hospital, Guwahati, Assam. Dated: 9.11.2024 – 10.11.2024 (**Best paper award- Oral Presentation, Offline**)
7. **Zartaj Washmin Banu.** Targeting Tumour Progression in Triple-Negative Breast Cancer with Isolated polyphenols from *Capsicum chinense*. 3rd National Annual Conference of the North Eastern Medical Pharmacological Society (NEMPSCON 2024). The theme of the conference was "Integrating Pharmacology and artificial intelligence with precision medicine for personalized care". Organized jointly by Guwahati Medical College and Hospital (GMCH) and AIIMS, Guwahati, Assam. Dated: 16.11.2024 – 17.11.2024. (**Oral Presentation, Offline**).

Faculties receiving financial support pertaining to fellowship/travel grant/training/organizing FDP, Conferences, workshop/others offered by various national and international government/non-government funding agencies

1. **Damiki Laloo.** Advanced Training Programme on IPR for Faculties. Organized by Assam Science and Technology & Environment Council (ASTEC) and Climate Change Development, Govt. of Assam. Dated: 7th-9th August 2024.
2. **Anupam Sarma.** Extracellular Vesicles Conference 2024 (TURSEV2024). Organized by Turkish Society of Extracellular Vesicles at Middle East Technical University. Ankara, Turkey. Dated: 20th – 21st September 2024. (International Travel Grant from ANRF, DST, Govt. of India)

Faculties receiving Awards/Recognition/Commendation from State/National/International agency

1. **Damiki Laloo.** Awarded '**Certificate of Reviewing**' for completing 102 reviews in the Journal of Ethnopharmacology. Elsevier reviewer recognition (Elsevier, Amsterdam, Netherland).
2. **Damiki Laloo.** Awarded '**Certificate of Reviewing**' for completing 01 reviews in the European Journal of Integrative Medicine. Elsevier reviewer recognition (Elsevier, Amsterdam, Netherland).
3. **Damiki Laloo.** Awarded '**Certificate of Reviewing**' for completing 06 reviews in the Journal of Agriculture and Food Research. Elsevier reviewer recognition (Elsevier, Amsterdam, Netherland).
4. **Damiki Laloo.** Awarded '**Certificate of Reviewing**' for completing 15 reviews in the Journal of Ayurveda and Integrative Medicine. Elsevier reviewer recognition (Elsevier, Amsterdam, Netherland).
5. **Damiki Laloo.** Awarded '**Certificate of Reviewing**' for completing 02 reviews in the Pharmacological Research and Natural Products. Elsevier reviewer recognition (Elsevier, Amsterdam, Netherland).
6. **Damiki Laloo.** Awarded '**Certificate of Reviewing**' for completing 10 reviews in the Phytomedicine Plus. Elsevier reviewer recognition (Elsevier, Amsterdam, Netherland).
7. **Alakesh Bharali.** Achieved **Promising Researcher Award-2024** presented by Girijananda Chowdhury University, Assam, India
8. **Anupam Sarma.** Achieved **Promising Researcher Award-2024** presented by Girijananda Chowdhury University, Assam, India
9. **Bhriku Kumar Das.** Achieved **Promising Researcher Award-2024** presented by Girijananda Chowdhury University, Assam, India
10. **Susankar Kushari.** L-theanine from *Camellia sinensis* (L.) ameliorates protective effect against Huntington's disease via downregulation of oxidative stress parameters and alteration in neurotransmitters in a 3-nitropropionic acid induced model. Organized by Ayurvedic Medical Organization (AMO), Govt. Ayurvedic College & Hospital, Guwahati, Assam. Dated: 9.11.2024 – 10.11.2024 (**Best paper award- Oral Presentation, OFFLINE**).



List of Publication for the academic session July-Dec 2024

School	School of Pharmaceutical Sciences (Tezpur Campus)
Department	Pharmaceutical Sciences

Publication information

❖ **Research publications (Total: 04)**

1. **Bhaumik A**, Das L, Paul S, Dey B, Shome P, Bhowmik P, Abedin SM. Design, Synthesis and Assessment of In Silico Pharmacokinetic and Toxicological Profile of Novel 5-Substituted Phenyl 1, 3, 4-Oxadiazole Scaffolds. *African Journal of Biomedical Research*. 2024 Sep 21;27(1S):2300-12. doi: <https://doi.org/10.53555/AJBR.v27i1S.1800> (Date of publication- 20/08/2024 | Ibadan Biomedical Communication Group | Impact Factor- 0.133 | Indexed in Scopus, Web of Science).
2. **Bhaumik A**, Haragouri M, Khushboo K, Farhan K, Runjhun P, Sunil KS, Ivan A, Vijay BJ, Raj KK. Development And Characterization Of Niosomal Transdermal Formulation Loaded Lecarnidipine Hydrochloride. *Revista Electronica de Veterinaria*. 2024 Sep 25(1):2328-2335. <https://doi.org/10.69980/redvet.v25i1.1188> (Date of publication- 12/09/2024 | Veterinaria Organizacion | Impact Factor- 0.3 | Indexed in Scopus, Web of Science).
3. **Bhaumik A**, Keservani RK, Patil SJ, Maurya NK, Yeolekar V, Armo R, Aranha I, Mahajan VR. Antifungal emulgel: Design, development and characterization for topical administration. *Biochemical & Cellular Archives*. 2024 Oct 1;24(2). doi: <https://doi.org/10.51470/bca.2024.24.2.2613>. (Date of publication- 30/10/2024 | CONNECT JOURNALS | Impact Factor- 0.138 | Indexed in Scopus, UGC Care list).
4. **Hazarika H**, Laskar MA, Krishnatreyya H, Islam J, Kumar M, Zaman K, Goyary D, Seliya H, Tyagi V, Chattopadhyay P. Bioaccumulation of Deltamethrin and Piperonyl butoxide in *Labeorohitafish*. *Ecotoxicology and Environmental Safety*. 2024 Oct 1;284:116908. <https://doi.org/10.1016/j.ecoenv.2024.116908> (Date of publication- 01/10/2024 | Elsevier | Impact Factor- 6.2 | Indexed in SCI, ESCI, Scopus, Web of Science, UGC-CARE).

❖ **Review publications (Total: 08)**

1. **Ahmed AB**, Chetia P, Kalita H. A Systematic Review on Association of Oxidative Stress in Rheumatoid Arthritis Based on Cross-Sectional Case-Control Studies. *Indian Journal of Pharmaceutical Education and Research*. 2024 Jun 21;58(3):709-21. (Date of publication- 04/10/2024 | Publisher: APTI | Impact Factor-0.8 | Indexed in, Scopus, Pubmed)
2. Maity SC, **Pegu P**, Maity S, Dasgupta D and Nag M. Local anaesthetic activity studies of the exotic plant species, *Croton bonplandianum* Baill. *Int J Pharm Sci & Res* 2024; 15(10):3123-28. doi: 10.13040/IJPSR.0975-8232 (Date of publication- 04/10/2024 | Publisher | Impact Factor-0 | Indexed in Google scholar)
3. **Bhattacharjee B**, Kuppusamy S, Bishwas NR, **Rynjah D**, Sahu RK. Advanced Smart Nanomaterial-Based System for Treatment of Cervical Cancer: A Systematic Review. *Journal of Drug Delivery Science and Technology*. 2024 Oct 26:106327. (Date of publication-26/10/2024 | Elsevier | Impact Factor- 4.5 | Indexed in Scopus, Web of Science, SCI, ESCI)
4. Sandhanam K, **Bhattacharjee B**, **Rynjah D**, Kalita P, Sen S, Chakraborty R. Deciphering the Interlinked CXCR4-Mediated Feedback Loop Among Signaling Pathways in Diabetic Wound Healing. *Current Diabetes Reviews*. 2024 Nov 29: (Date of publication-29/11/2024 | Bentham Science | Impact Factor- 2.4 | Indexed in Scopus, Web of Science)
5. Kalita P, **Bhattacharjee B**, Pachuau L, Roy S. Recent trends in pectin sources, extraction, and active-edible coating applications. *Food Control*. 2024 Dec 15:111105. (Date of publication-15/12/2024 | Elsevier | Impact Factor- 5.6 | Indexed in Scopus, Web of Science, SCI, ESCI)
6. Sandhanam K, Tamilanban T, **Bhattacharjee B**, Manasa K. Exploring miRNA therapies and gut microbiome-enhanced CAR-T cells: advancing frontiers in glioblastoma stem cell targeting. *Naunyn-Schmiedeberg's Archives of Pharmacology*. 2024 Oct 9:1-39. (Date of publication-09/10/2024 | Springer Nature | Impact Factor- 3.1 | Indexed in Scopus, SCIE, UGC-CARE List)
7. Sandhanam K, Tamilanban T, Manasa K, **Bhattacharjee B**. Unlocking novel therapeutic avenues in glioblastoma: Harnessing 4-amino cyanine and miRNA synergy for next-gen treatment convergence.



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Neuroscience. 2024 Aug 16;553:1-8.(Date of publication-16/08/2024| Elsevier| Impact Factor- **2.9**| Indexed in Scopus, SCIE)

8. Alnbaheen MS, Ikbali AM, Bekhit MM, **Bhattacharjee B**, Dey N, Sahu RK, Khan J, Widyowati R, Miatmoko A. Exploring Interplay of Polyunsaturated Fatty Acids: A Promising Approach for Treatment of Breast Cancer. Journal of Biological Regulators and Homeostatic Agents. 2024 Aug 30;38(9):5769-92.(Date of publication-30/08/2024| Elsevier| Impact Factor- **0.9**| Indexed in Scopus, Web of Science, SCImago)

❖ **List of Publication in a Book Chapter (Total-23)**

1. Kalita P, Sarma A, **Ahmed AB**, Deka S. Theory, modeling simulation, and life cycle assessment of nanofilled polymer blends. In: Thomas S, George SC and Nair ST, editors. Nanofillers for Binary Polymer Blends. Elsevier; 2024. p. 483-505. ISBN number: 978-0-323-88655-0. <https://doi.org/10.1016/B978-0-323-88655-0.00011-22>.
2. **Alom S., Ali F.**, Gohain A., Das A.K., Kakoti B. Cosmeceutical applications of alkaloids. In: Specialized Plant Metabolites as Cosmeceuticals. Elsevier, August, 2024. P. 65-97. ISBN: 978-0-443-19148-0 <https://doi.org/10.1016/B978-0-443-19148-0.00004-83>.
3. **Alom S., Ali F.**, Kathuria D. Colorimetric Paper-based Point-of-care Testing for Disease Biomarkers. Sensing Materials and Devices for Biomarkers. Royal Society of Chemistry, December, 2024. <https://doi.org/10.1039/9781837673230-000374>.
4. Kalita P, **Bhattacharjee B**, Sahu RK, Sarma S. Nutraceuticals in Brain Health. In: Plant-based Foods and their Implications in Brain Health (pp. 342-359). CRC Press. November, 2024. <https://doi.org/10.1201/97810033005025>.
5. **Newar A.** Causative agents, epidemiology and clinical presentations and Role of Pharmacists in educating the public in prevention of communicable diseases: Intestinal Infections. Text Book of Social Pharmacy, Shilpi Agarwal, Mayank Patel, Preeti Solanki (Editor). CBS Publishers and Distributors, July, 2024, ISBN-13: 978-935466956996.
6. **Newar A.** Poison Act-1919. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher, August, 2024. 12-18. ISBN: 97988951968167.
7. **Newar A.** Drug and Cosmetic Act-1940. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. 19-140. August, 2024. 12-18. ISBN: 9798895196816
8. **Rynjah D.** Pharmacy Act 1948 and Rules. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. 19-130. August, 2024. 99-130. ISBN: 9798895196816
9. **Rynjah D.** Drugs and Magic Remedies Act 1955. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. 131-140. August, 2024. ISBN: 9798895196816
10. **Ali F.** Medical and Toilet Preparation Act 1955. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 141-162. ISBN: 9798895196816
11. **Ali F.** Medical Termination and Pregnancy Act. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 189-199. ISBN: 9798895196816
12. **Rynjah D.** Narcotic drugs and Psychotropic Substances Act 1985. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 200-226. ISBN: 9798895196816
13. **Bora SC.** Introduction to the Consumer Protection Act 1986. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 227-244. ISBN: 9798895196816
14. **Farak Ali.** Right to Information Act 2005. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 245-163. ISBN: 9798895196816
15. **Koushik N.** Introduction to the Disaster Management Act 2005. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 264-273. ISBN: 9798895196816
16. **Pegu P.** FSSAI-2006. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 274-291. ISBN: 9798895196816
17. **Bora SC.** Clinical Establishment Act and Rules. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 291-303. ISBN: 9798895196816



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18. **Bhattacharjee B.** National Pharmaceutical Pricing Authority. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 304-340. ISBN:9798895196816
19. **Pegu P.** Biomedical Waste Management and Rules 2016. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 350-360. ISBN: 979889519681620.
20. **Bhattacharjee B.** Code of Pharmaceutical Ethics. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 414-427. ISBN: 9798895196816
21. **Pegu P.** Bioethics. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 428-453. ISBN: 9798895196816
22. **Hazarika H, Das BK.** Medical Devices in Pharmacy Practice. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 461-487. ISBN: 9798895196816
23. **Bora SC.** Blood Bank. Pharmaceutical Law & Ethics, Ravi Kr Rajan (Editor), Notion Press Publisher. August, 2024. 489-498. ISBN: 9798895196816

List of Publication in Patent (Total-06)

1. **Asish Bhaumik**, Runjhun Pallavi, Bhawna Pant, Muggu Murali Krishna , YasribQurishi, Swati Lilhare, Bhagyashri D. Meshram, Mrs. Anamika David, Ms.Warad Tanuja Annarao, Ms. Ghodake, inventors; WEARABLE BIOSENSOR DEVICE FORTHERAPEUTIC DRUG MONITORING AND PERSONALISED THERAPY. **Indian Patent.**Design No. 429586-001. (Date of patent published/Registration-DD/MM/YYYY | Date of granted- 06/09/2024).
2. **Asish Bhaumik**, Shikha Shikha, Sanmati Kumar Jain, Khushboo Rani, Naveen Sharma, Parakh Basist, Arun Kumar, Patel Megha Pravin Bhai, Poonam Kumari, Dr.PriyankaRathee, Dr. Aashutosh Pathak. inventors; Double distillation apparatus for extractionof Volatile oils. **UK Design Patent.** Design No. 6392832.(Date of patent published/Registration-21/09/2024 | Date of granted- 08/10/2024).
3. **Asish Bhaumik**, Debika Sarmah, Lipika Das, Sanmati Kumar Jain, Neha Verma , Gulam Mustafa, Sandeep, inventors; DEVICE FOR PREDICTION OF DIABETIC NEUROPATHY THROUGH BLOOD PLASMA PROTEIN. **Indian Patent.** Design No. 432456-001. (Date of patent published/Registration-DD/MM/YYYY | Date of granted- 01/10/2024).
4. Dipti Gohil, Sanmati Kumar Jain, Namra Aziz, Chandra Kant Sharma, Monika Sharma, Aanchal Gupta, **Asish Bhaumik**, Amber Vyas, Alisha Banafar Dhanush Ram Turkane, inventors; DEVICE FOR JOINT PAIN RELIEF. **Indian Patent.** Design No. 434290-001. (Date of patent published/Registration-DD/MM/YYYY | Date of granted- 14/10/2024)
5. **Asish Bhaumik**, Pooja R. Hatwar, Kasturi Vishwanathasetty Veerabhadrapa, Dr Suraj Bansal, Dr Anil Kumar Yadav, Rahul Goel, Easha Biswas, Dr Ajay Kumar, Girish Joshi, inventors; Device For Identification Of Alzheimer's Disease Through Blood Plasma Protein. **Indian Patent.** Design No. 435000-001. (Date of patent published/Registration-DD/MM/YYYY | Date of granted- 21/10/2024).



List of Publication for the academic session July-Dec 2024

School	School of Allied Health Sciences
Department	Department of Medical Laboratory Technology
Publication information	
List of Books published (Total-01)	
1. Srinivasan V , Deka A. Essentials of Practical Biochemistry. 1 st Edition, ISBN Number: 978-81-19948-99-4	
Research paper presented/Invited Speaker at State, Regional, National and International level Conference (Online/Offline/hybrid mode)	
1. Prayash Borah participated and presented a poster entitled “Increased Arsenic Exposure via Drinking Water: Implications for Diabetes Risk” in the International Conference “Biochemistry: Ongoing Explorations of Actions and Reactions of Life” and 93rd Annual Meeting of the Society of Biological Chemists (India), held on the December 27th to 29th, 2024, at the M.S. University of Baroda, Vadodara, Gujarat.	
Information on Faculties receiving Awards/Recognition/Commendation from State/ National/ International agency	
1. Vidhya Srinivasan received Academic excellence Award at the AAMLTACON 2024, 17 th Biennial conference held at Diphu Medical College from 13 th -15 th December 2024.	

School	School of Engineering & Technology
Department	Electrical Engineering (EE)
Publication information	
List of Publication in Journals (Total-01)	
1. Ahmed MA, Das A, Bordoloi S . Design and Development of a Standalone Biomedical System to Determine Patient’s Health Condition Using Machine Learning. Int J Adv Sci Eng Technol (IJASEAT). 2024;12(3):24-28. DOI: IJASEAT-IRAJ-DOI-21085 (Indexed in Scopus)	
List of Publication in Journal Proceedings (Total 08)	
1. Bordoloi S . Load-DG Set Allocation for Carbon Reduction and Maximum Utilization. In: International Conference on Energy, Sustainability and Climate Change (ICESCC 2024); 2024 Nov 7-8; India.	
2. Roy P, Bordoloi S , Hazarika S, Talukdar BK. Phase Change Materials in Photovoltaics: A comprehensive review on temperature regulation and efficiency enhancement. In: International Conference on Energy, Environment, and Sustainable Resources(ICEESRE 2024); 2024 Oct 24-25.	
3. Mazinder MS, Bordoloi S . Transitioning to Clean Energy: Assessing the Impact of Power Plant Emissions on Oral Cancer. In: International Conference on Energy, Environment, and Sustainable Resources (ICEESRE 2024); 2024 Oct 24-25.	
4. Bordoloi S , Roy P, Hazarika S , Sinha PN. Optimizing Solar Energy Output: Key Insights from Statistical Analysis of a PV System Located in a Humid Subtropical Region. In:International Conference on Energy, Environment, and Sustainable Resources(ICEESRE 2024); 2024 Oct 24-25.	
5. Borah AA , Kalita R, Deka C, Ahmed T, Mandal P, Kalita P. Energy-efficient classroom management: A review of sensor-integrated lighting and ventilation systems. In:International Conference on Energy, Sustainability, and Climate Change (ICESCC2024); 2024 Nov 7.	
6. Roy P , Talukdar BK, Talukdar BK, Borah S. Phase Change Material Application in Photovoltaic System: Performance Analysis and Optimization. In: ACMESGA2K24; 2024 Nov 22-23.	
7. Roy P , Talukdar BK, Talukdar BK, A Novel MPPT Algorithm for the Photovoltaic Thermoelectric Hybrid Generator system incorporating relative Humidity effect.InIST 2024 Nov 28-29.	
8. Talukdar BK, Roy P , Deka BC. An approach to reliability centred maintainability modeling of electric vehicle. In IST 2024 Nov 28-29.	
List of Publication in a Book Chapter (Total-02)	
1. Roy P, Bordoloi S , Talukdar BK. Enhancing Energy Efficiency through Photovoltaic- Thermoelectric	



List of Publication for the academic session July-Dec 2024

Hybrid System: A Review and Future Perspectives. In: EcoRevolution: Exploring Sustainable Solutions by Duliajan College Science Council. 2024;1:72-79.

2. **Bordoloi S, Roy P.** Solar Energy Adoption and Its Impact on Carbon Emissions Reduction: An Analysis of the Amguri Solar Park Project. In: EcoRevolution: Exploring Sustainable Solutions by Duliajan College Science Council. 2024;1:86-92.

Information on Faculties receiving Awards/Recognition/Commendation from State/ National/ International agency

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

Publication information

List of Publication in Journals (Total-02)

1. **Chakraborty O, Nath S.** Optimizing the thermal performance in parabolic solar troughcollectors: investigating the impact of ionic nanofluid and revolving fins inserts. CleanTechnologies and Environmental Policy. 2024 Nov 23:1-22.(Date of publication- 23/11/2024 | Publisher: Springer | **Impact Factor- 4.2** | Indexed in SCI).
2. **Chakraborty O, Nath S.** Numerical study on solar trough collectors: Optimizing heat transferwith ternary nanoparticles in ionic base fluid and spinning tube fins. Renewable Energy. 2024Dec 1;236:121473 (Date of publication- 25/09/2024 | Publisher: Elsevier | **Impact Factor- 9** | Indexed in SCI).

List of Publication in a Book Chapter (Total-01)

1. Baruah P, **Pathak KK**, Borah PP, Newar PP. Design, Development and Performance Analysis of a Solar Dryer. 2024 28 December (pp. 219-234). Singapore: Springer Nature Singapore.https://doi.org/10.1007/978-981-97-7535-4_18

Research paper presented/Invited Speaker at State, Regional, National and International level Conference (Online/Offline/hybrid mode)

1. **Swapnaneel Sarma**, Himangshu Sekhar Brahma, Debarshi Mallick. Pyrolysis study of various biomass feedstocks using Thermogravimetric analysis. International Conference on Recent Innovations and Developments in Mechanical Engineering, Organized by Department of Mechanical Engineering, NIT Meghalaya, November, 14-16, 2024, (**Oral presentation**)
2. **Himangshu Sekhar Brahma**, Swapnaneel Sarma, Debarshi Mallick. Characterization and performance analysis of various biomass feedstocks in a downdraft gasifier. International Conference on Recent Innovations and Developments in Mechanical Engineering, Organized by Department of Mechanical Engineering, NIT Meghalaya, November, 14-16, 2024, (**Oral presentation**)
3. **Dheeman Bhuyan**, P Ramesh Babu, Jyoti Prasad Kalita. 3D reconstruction of human aorta from computerized Tomography data ageneration of compliant phantom for Ex-vivo, investigation of blood flow phenomena. International Conference on Recent Innovations and Developments in Mechanical Engineering, Organized by Department of Mechanical Engineering, NIT Meghalaya, November, 14-16, 2024, (**Oral presentation**)

School	School of Engineering & Technology
Department	Computer Science and Engineering (CSE)

Publication information

List of Publication in Journals (Total-02)

1. **Pathak A**, Barman U, **Kumar TS.** Static analysis framework for permission based dataset generation



List of Publication for the academic session July-Dec 2024

and android malware detection using machine learning. *EURASIP Journal of Information Security*, 2024; 33. <https://doi.org/10.1186/s13635-024-00182-3> (Date of publication - 23/10/2024 | Publisher – Springer | Impact Factor – 2.5 | Indexing – SCI, Scopus, UGC-CARE)

2. Saikia P, Deka SK, **Devi M.** Security Enhanced Clustering Scheme for Routing in Cognitive Radio Sensor Networks. *IEEE Access*, 2024. <https://doi.org/10.1109/ACCESS.2024.3467704> (Date of publication - 25/09/2024 | Publisher – IEEE | Impact Factor – 3.4 | Indexing – SCI, Scopus, UGC-CARE)

School	School of Engineering & Technology
Department	Computer Applications

Publication information

List of Publication in a Journal

1. **Ain A, Gogoi M,** Chutia D. Multispectral Satellite Data Classification Using Rank Correlation Similarity Index and Automatic Labeling Technique. *Sn Comput. Sci.* 5, 1073 (2024). <https://doi.org/10.1007/s42979-024-03380-5> (Date of publication- 20/11/2024 | Springer Nature | Impact Factor- 0 | Indexed in SCImago, Scopus).

School	School of Management and Commerce
Department	Business Administration

Publication information

List of Publication in Journals

1. **Ahmed F,** Kalita K. Exploring the potential of Northeast Now in Guwahati: A comprehensive analysis. *The Academic: International Journal of Multidisciplinary Research*. 2024;2(10):326–337. DOI: <https://doi.org/10.5281/zenodo.14102497>. ISSN: 2583-973X. (Indexed- Nil)
2. **Ahmed F,** Shaker S. Financial inclusion among the people below poverty line: An empirical study. *International Journal of Management Research and Practice*. 2024;2(11). Available from: <https://doi.org/10.61877/ijmrp.v2i11.214>. (Indexed- Nil)
3. **Ahmed F.** Evaluating the effects of digital marketing on consumer decision-making and brand awareness. *International Journal of Commerce, Management, Leadership, and Law (IJCMML)*. 2024;1(1):1–8. Available from: <https://ijcmml.com/1/article/view/5>. (Indexed- Nil)
4. **Ahmed F.** Goods and services tax: A blessing for India's economic landscape. *Economic Review – A Journal of Research and Creative Writings*. 2024; 10:32–41. (Indexed- Nil)

List of Publication in a Book Chapter

1. **Ahmed F.** Digital Transformation in India: Issues and Challenges. In: *Emerging Markets and Opportunities*. New Delhi: Kumud Publications; 2024. p. 191–202. ISBN: 978-81-981444-23.

Research paper presented/Invited Speaker at State, Regional, National and International level Conference (Online/Offline/hybrid mode)

1. **Ahmed F.** The sports industrial landscape of Assam: Prospects and challenges. Paper presented at: ICSSR Sponsored National Seminar on Development of Sports Infrastructure in Promoting Youth Sports Participation; 2024 Nov 29–30; Tura, Meghalaya. Organized by North-Eastern Hill University (NEHU), Tura Campus, and Abhiruchi Institute of Physical Education (AIPE). **(Oral Presentation)**



List of Publication for the academic session July-Dec 2024

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

Publication information

List of Publication in a Book Chapter

1. **Bondita B.** Indigenous folk knowledges as Emancipatory: An alternative narrative to Environmental Apocalypse. In: Sukanya K, Sanjeeb K, editors. World Literature and Environmental Apocalypticism. 1st ed. Guwahati: Surya Prakash; 2024. p. 31-40. ISBN: 978-93-95051-81-1.
2. **Jupitara B.** Unravelling Gender Stereotypes in Mamang Dai's The Black Hill, Space Identity and Literature. 1st ed. In: Bhaskar Ch Sarkar, editor. New Delhi: Authors press; 2024. p.102-107. ISBN: 978-93-6095-137-5.

Information on Research paper presented (Invited Speaker/Oral/Poster) at State, Regional, National and International level Conference (Online/Offline/hybrid mode)

1. **Bondita Baruah.** Revisiting Island Literature from a Posthuman Framework: A Study of Select Texts. The Political Lives of Islands Critical Island Studies 4th International Conference. Organized by the Department of Literature, College of Liberal Arts, De La Salle University, Manila (Philippines). Dated: 03.10.2024 – 04.10. 2024 (**Paper presentation**).
2. **Jupitara Boro.** Ecological Consciousness in Mamang Dai's Narratives of the Adi Tribe. Exploring Languages and Literatures for Evolving Pedagogical Practices The 18th International & 54th Annual Conference of ELTAI. Organized by the English Language Teachers' Association of India, The Assam Royal Global University, Guwahati, Sonapur College, Sonapur. Dated: 23.10.24 – 26.10.2024 (**Paper Presentation**).
3. **Priti Sarmah.** The Relevance of Teacher Training in Using a Multidisciplinary Approach for Developing Disciplinary Literacy. Exploring Languages and Literatures for Evolving Pedagogical Practices The 18th International & 54th Annual Conference of ELTAI. Organized by the English Language Teachers' Association of India, The Assam Royal Global University, Guwahati, Sonapur College, Sonapur. Dated: 23.10.24 – 26.10.2024 (**Paper Presentation**).
4. **Priti Sarmah.** AI in Education: Challenges in Developing Language Proficiency among Learners. Research Conclave 2024- GCU. Organized by Girijananda Chowdhury University Dated: 28.11.24 (**Paper Presentation**).

School	School of Humanities & Social Sciences
Department	Department of Sociology and Social Work

Publication information

List of Publication in a Book Chapter

1. **Choudhury R.** Understanding Sexual and Labour Trafficking in Assam: The Gendered Lens through the Eyes of the NGOs. In: Md. Malik, Abul Foyes, editors. Power, Politics and the Issue of Gender Based Violence. Vol 1. Srijon Shitya Chora. Agra Book International. 2024. p. 183-192. ISBN No: 978-93-94151-64-2.



List of Publication for the academic session July-Dec 2024

School	School of Humanities & Social Sciences
Department	Department of Education

Publication information

List of Publication in Journals

1. Kalita S, Devi P, **Chitrakar N.** (2024). Exploring Post Retirement Lifestyles: Daily Routine, Sleep Pattern and Stress Management Strategies. Humanities and Social Science Studies, 13(3): 162-167.
2. **Chitrakar N**, Kalita S, Borah S, Parbin R, Mahanta J, Ranjan A. (2024). Assessing Reasoning Ability differences: an in-depth comparison between undergraduate and post graduate students of Tezpur University. Library Progress International, 44(3): 27633- 27639. (Scopus Index).

School	School of Humanities & Social Sciences
Department	Department of Psychology

Publication information

List of Publication in a Book Chapter

1. **Gogoi T**, Nongsiej I. Exploring the Causes and Effects of Teenage Pregnancy among Adolescents in Ri-Bhoi District, Meghalaya. In: Malik AFM, Das C, editors. Crisis, Inequalities and Poverty. Volume II. SUNBEAM; 2024. p. 354- 362. ISBN number: 978-93-93092-61-8.

School	School of Humanities & Social Sciences
Department	Department of Political Science

Publication information

Research paper presented/Invited Speaker at State, Regional, National and International level Conference (Online/Offline/hybrid mode)

1. **Bhaswati Sarmah**. Deepfake as a Challenge to Indian Politics. 61 st All India Political Science Conference & International Seminar on Viksit Bharat @2047. Organised by Maharaja Ganga Singh University, Bikaner (Rajasthan). Dated: 18.10.2024- 19.10.2024. (**Oral presentation**).

School	School of Humanities & Social Sciences
Department	Department of Economics

Publication information

List of Publication in a Book Chapter

1. Barthakur S., **Bhuyan, S.** Enhancing Sustainable Development through Innovative Human Resource Management Strategies and Employee Engagement Practices. In: Beena Narayan and et al. Editors. Sustainability Practices- Addressing Challenges & Creating Opportunities. 1st ed. New Delhi: Kunal Publications; (2024).p 155-163. ISBN number 978-93-6389-730-4
2. **Borah D.** Women in the position of professional leadership In: Gender and Leadership Discourse, 1st edition: September, 2024. ISBN: 978-93-85123-36.

Research paper presented/Invited Speaker at State, Regional, National and International level Conference (Online/Offline/hybrid mode)

1. **Sampurna Bhuyan**. International Educational Forum- “Global Education in a Multipolar World”. Organized by Peoples Friendship University of Russia named after Patrice Lumumba (RUDN University), Moscow, Russia. Dated: 29/11/24.(**Invited Speaker, International, Online**)
2. **Sampurna Bhuyan**. NEP 2020: Orientation and Sensitization programme. Organized by the UGC-



List of Publication for the academic session July-Dec 2024

Malavia Mission Teacher Training Centre, Panjab University, Chandigarh. Dated 5.08.24-16.08.24 (**Invited Reviewer, National, Online**).

3. **Sampurna Bhuyan**, Challenges of NEP 2020 for Teachers, and Research in Higher Educational Intuitions in the NE Region. Organised by KKHSTOU in Association with North Eastern Economic Association and funded by ICSSR-NERC, OKDISCD, Assam. Dated 17/12/24 to 18/12/24. (**Invited Speaker, National, Offline**).
4. **Sampurna Bhuyan**, Workshop on 'Data Handling in Social Science Research'. Organized by B.Barooah College (Autonomous). 28/11/24. (**Invited Speaker, National, Offline**).
5. **Sampurna Bhuyan**, Workshop on Scientific Research Journey in Academics. Organized by Kamrup College (Chamata), Nalbari. 5/10/24. (**Resource Person, National, Offline**).

School	School of Natural Sciences
Department	Department of Mathematics

Publication information

List of Publication in Journals

1. **Kashyap AJ**, Sarmah, HK, Bhattacharjee D. An Eco-Epidemiological Model With Non-Consumptive Predation Risk And A Fatal Disease In Prey. Journal of Mathematical Sciences, 2024, 1-31. (Date of publication: 15 July 2024 | Publisher: Springer | Impact Factor-0, SCOPUS, ESCI)
2. **Kashyap AJ**, Sarmah HK. Complex Dynamics in a Predator–Prey Model with Fear Affected Transmission. Differential Equations and Dynamical Systems. 2024;1-32. <https://doi.org/10.1007/s12591-024-00698-7> (Date of publication: 03 July 2024 | Publisher: Springer | Impact Factor-0.8, SCOPUS, ESCI)
3. Yue Q, **Kashyap AJ**, Chen F. Dynamic Behaviors of a Non-autonomous Single-Species Feedback Control System. Engineering Letters. 2024;32(7):1291-1299. (Date of publication: July 2024 | Publisher: IAENG | Impact Factor-0.6 | SCOPUS, ESCI)
4. **Kashyap AJ**, Doley D, Chen F, Bordoloi AJ. A Stage-Structured Prey- Predator Interaction Model with the Impact of Fear and Hunting Cooperation. International Journal of Biomathematics, 2024, 2450110 <https://doi.org/10.1142/S1793524524501109> (Date of publication: 24 Sep 2024 | Publisher: World Scientific | Impact Factor-2.4, SCOPUS, SCIE)
5. Ahmed N, Deka H, Haloi P, **Gohain D**. Natural Convection in Rotating MHD Flow Past a Suddenly Started Infinite Vertical Plate with Ramped Conditions. International Journal of Applied and Computational Mathematics, 2024, 10(6), 177. (Date of publication: 06 November 2024 | Publisher: Springer | Impact Factor-0, SCOPUS, UGC-Care)

Research paper presented/Invited Speaker at State, Regional, National and International level Conference (Online/Offline/hybrid mode)

1. **Moyrty Sarmah**. Unit Near Ring Graph. National Conference on Advances in Mathematical Sciences. Organized by Department of Mathematics, Gauhati University, Assam. Dated-21-22 December 2024.

Information on Faculties receiving Awards/Recognition/Commendation from State/ National/ International agency

1. **Ankur Jyoti Kashyap**. Achieved Promising Researcher Award-2024 presented by Girijananda Chowdhury University, Assam, India. Dated: 27.10.2024



List of Publication for the academic session July-Dec 2024

School	School of Natural Sciences
Department	Department of Chemistry
Publication information	
List of publication in a Book Chapter	
1. Sharma B, Malakar A, Pathak S, Dutta K . Recent Developments in Photocatalytic Water-Splitting Using TiO ₂ for Hydrogen Production: A Review. In: Handique P, Gogoi M (Eds.). Emerging Trends in Basic and Applied Sciences. Vol-I. Purbayan Publication: 2024 chapter 21. p 210-230.ISBN number 978-93-5860-107-7.	
Research paper presented/Invited Speaker at State, Regional, National and International level Conference (Online/Offline/hybrid mode)	
1. Nirmala Devi . Study on tuning particle size and morphology in biobased polyelectrolyte complex coacervate micro and nanoparticles. 5 th International Conference and Kathmandu Symposia on Advanced Materials, Kathmandu, Nepal. Dated 22.10.2024-24.10.2024 (Invited speaker)	
2. Nirmala Devi . Delivered an invited talk as part of the Report of Lecture Series on Polymers, Nano-composites, and Drug Delivery; organized by the Department of Industrial Chemistry, Mizoram University, in collaboration with the Chemical Research Society of India (CRSI) Local Chapter of the North-Eastern region on 9th September 2024. (Resource person)	
3. Nirmala Devi . Delivered lecture as Resource Person in a UGC sponsored Refresher Course on Climate Change and Sustainable Development organized by the UGC-MMTCC, Gauhati University on 29th August 2024. (Resource person)	
4. Nirmala Devi . Delivered lecture as a Resource Person (Online) entitled “Outcome based education, Active learning and Teaching in 21 st Century” on 23 December 2024, in a Faculty InductionProgramme-GURU DAKSHTA, organized by the UGC-MMTTC, Tripura University. . (Resource person)	

School	School of Natural Sciences
Department	Department of Physics
Publication information	
List of publication in a Book Chapter	
1. Deka JP . Onset of identical synchronization in the spatial evolution of optical power in a waveguide coupler, Indian J Phys, https://doi.org/10.1007/s12648-024-03348-4 (2024). (Date of publication- 27/07/2024, Publisher – Springer-Nature, Impact Factor – 1.6, Indexed in Scopus, Web of Science and UGC CARE).	
Research paper presented/Invited Speaker at State, Regional, National and International level Conference (Online/Offline/hybrid mode)	
1. Deka JP , Classification of synchronization in nonlinear systems using ICO learning. Research and Industrial Conclave 2024, IIT Guwahati. Dated – 9 th August–11 th August, 2024. (Oral Presentation).	
2. Lipi Goswami , Low Dimensional Structures, Quantum Confinement and Quantum Dots’, presented in the ‘Research Conclave 2024-GCU, Assam Dated: 28th November, 2024 organized by the Department of Computer Science and Engineering, Girijananda Chowdhury University (Oral Presentation).	



List of Publication for the academic session July-Dec 2024

School	School of Natural Sciences
Department	Department of Zoology

Publication information

List of Publication in Journals

1. Kalita S, Saharia S, **Bardoloi S**, Soren AD, Barthakur M. Antimicrobial activity of peptides isolated from the haemolymph of *Antheraea assamensis* larvae. *International Journal of Tropical Insect Science*. (Date of Publication- 06/09/2024| Publisher: Springer| Impact Factor-1.1| Indexed in Scopus; UGC- CARE List)

School	Centre for Legal Studies
Department	Department of Law

Publication information

List of Publication in Journals

1. **Das NM**, Islam P, Paul T. Right to Education of Children with Disabilities in India-Issues and Challenges. *International Journal of Creative Research Thoughts (IJCRT)* 2024; 12(9): d255-d267. (Date of Publication- 01/09/2024| Publisher: IJCRT| Impact Factor-0| Indexed in UGC Approved Journal)
2. **Das NM**, Islam P. Transgender Rights and Gender Equality- A Juxtaposition with Special Reference to Right to Education of Transgender in India. *International Journal of All Research Education and Scientific Methods (IJARESM)* 2024; 12(9): 1025-1030. (Date of Publication- 01/09/2024| Publisher: IJARESM| Impact Factor: 0| Indexed in UGC Approved Journal)

List of Book Chapter

1. **Das NM**, Islam P. Challenges and Future of Pharmaceutical Industry in India: An Analysis with Reference to the New Patent Regime. In: Sarma A, Devi LD, editors. *Recent Developments in Intellectual Property Law*; 2024 p. 92-104. ISBN Number: 81-961086-2-5.
2. **Das NM**, An Analytical Study on Right to Health with Constitutional Perspective. In: Malik AFM, Das C, editors. *Human Rights And Social Justice*; 2024 p. 86-94. ISBN Number: 978-93-93092-59-5.

Research paper presented/Invited Speaker at State, Regional, National and International level Conference (Online/Offline/hybrid mode)

1. **Das NM**. An Initiative towards Empowering of Women Against Domestic Violence. ICSSR National Seminar. Organised by Rupahi College, Rupahi, Nagaon, Assam. Dated: 25.09.2024 and 26.09.2024. **(Oral Presentation)**.
2. **Das NM**. An Overview on the Legal Framework on Sexual and Reproduction Right of Women in India. ICSSR (NERC) Sponsored Two Days National Seminar on Women Empowerment and Digital Innovation. Organized by Department of Economics, English, Assamese & Education, Batadraba Sri SriSankardev College, Batadraba, Nagaon, Assam. Dated: 09.08.2024 & 10.08.2024. **(Oral Presentation)**.



List of Publication for the academic session July-Dec 2024

Summary count of research data published in Journals, Books, Edited Book (Book Chapter), Journal Proceedings and Patents.

Research Article	: 34
Review Article	: 14
Book	: 01
Book Chapter	: 44
Journal Proceedings	: 08
Patent	: 08
Total publication	: 110

Scopus/SCI indexed Journals	: 49
Non-scopus indexed Journals (But indexed in UGC-CARE)	: 05

Summary count of research data presented/invited speaker/resource person/others in State/National/International platforms.

Invited as a speaker/Resource Person	: 11
Paper presented at Conference/Symposiums	: 18
Total Count	: 29

Summary count of research data for Faculty receiving Awards/Recognition/Commendation from State/National/International platforms

Total Count	: 12
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