



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

Publication information in Journals/Proceedings/Book/Edited Book/Patent

List of Publication (Review/Research) in Journals

Research Articles

1. Deka D, **Das SR**, **Das T**, Chakraborty P, Kar K, Chowdhury S. Chalcone Derivatives: In Silico Design, molecular docking study and Anticancer Activity on MCF-7 Cells. In Silico Research in Biomedicine. 2025;1: 100016. <https://doi.org/10.1016/j.insr.2025.100016>
(Date of publication- **27/05/2025** | Publisher: Elsevier).
2. Datta PS, **Das SRC**, Chhetree RR, Bomjen H. In Vitro Anti-Diabetic Evaluation and Formulation of Oral Suspension of *Ananas comosus* Leaf Extract. Journal of Hospital Pharmacy. 2025;20(2).
(Date of publication- **17/06/2025** | Publisher: Bureau for Health and Education Status Upliftment)
3. **Kushari S***, **Saha D**, **Kalita JM**, **Kalita T**, Kalita P, Chakraborty J, Kumar S, **Das T**, **Patowary L**. An insight of in silico and in vitro evaluation of Catechins and L-theanine from *Camellia sinensis* (L.) against Alzheimer's disease targeting cholinesterases and β -secretase. In Silico Research in Biomedicine. 2025;1: 100020. <https://doi.org/10.1016/j.insr.2025.100020>
(Date of publication- **04/06/2025** | Publisher: Elsevier).
4. **Kumar S**, Nikam YP, **Ghose S**, **Kushari S**, Gurav SS, Prasad SK, Borbora D, **Laloo D***. *Potentilla fulgens* root extract rich in polyphenols ameliorate diabetic foot ulcers in Wistar rats via regulating oxidative stress and connective tissue markers. Journal of Ayurveda and Integrative Medicine. 2025;16(1):101075. <https://doi.org/10.1016/j.jaim.2024.101075>.
(Date of publication- **18/01/2025** | Publisher: Elsevier | **Impact Factor- 1.9** | Indexed in SCIE and Scopus)
5. Lahan M, Sarmaa SK, **Saikia T**, Dutta K, Baishya R, **Bharali A**, **Nath J**, Das S, Medhi S, **Sahu BP***. QBD based and Box-Behnken Design based PLGA Nanoparticles for Sustained Release of Curcumin (Cur-PLGA-NS) In A549 Lung Cancer Cells. Journal of Chemical Health Risks. 2025;15: 1440-1450.
(Date of publication- **01/05/2025** | Publisher: JCHR | Indexed in Scopus)
6. Lahan M, **Saikia T**, Baishya R, **Bharali A**, Baruah S, **Ghosh S**, **Biswas N**, **Laloo D**, Medhi S, **Sahu BP***. Development of Dry Powder Inhaler formulation for site specific delivery of nanoconjugates loaded with Curcumin and BCL2 siRNA in Lung Cancer. Pulmonary Pharmacology & Therapeutics. 2025;90:102361. <https://doi.org/10.1016/j.pupt.2025.102361>.
(Date of publication- **03/06/2025** | Publisher: Elsevier | **Impact Factor- 2.8** | Indexed in SCIE and Scopus)
7. Rathod S, Sharma R, Sathesh SM, Yadav U, Deshpande PB, **Nath J**, Kulkarni PA. Ameliorating effect of *Capparis aphylla* Roth in carrageenan-induced inflammation in rats. International Journal of Environmental Sciences. 2025;11(6 s):753–757. <https://doi.org/10.64252/af42se54>
(Date of publication- **23/05/2025** | Publisher: Integrated Publishing Association)
8. Chaudhari HC, Parekh B, Tiwari A, Deshpande PB, Debnath S, Kulkarni PA, **Nath J**. Formulation, optimization, and evaluation of *Nigella sativa* nanoemulsion for diabetes mellitus. South Eastern European Journal of Public Health. 2025; XXVI(S1):5846–5858. <https://doi:10.70135/seejph.vi.5497>.
(Date of publication- **05/01/2025** | Publisher: Uphills Publishers LLC)
9. Pannu A, Shah T, Bhutada PG, Sharma R, Sharma SK, Kulkarni PA, **Nath J**, Chinchole PA. Nose to brain



drug delivery of donepezil loaded lipid based nanoemulsion for Alzheimer. Journal of Neonatal Surgery. 2025;14:2720. <https://doi.org/10.52783/jns.v14.2720>

(Date of publication- 25/04/2025 | Publisher: EL-MED-PUB Publisher | Indexed in Scopus)

10. Choudhury AA, Vinayagam S, Adhikari N, Saha A, Ghosh SK, Bhat HR, Patgiri SJ, Sekar K. Virtual screening, synthesis, and antimalarial profiling of PABA-glutamic acid linked 1, 3, 5-triazine hybrids. Journal of Molecular Structure. 2025;1330:141530. <https://doi.org/10.1016/j.molstruc.2025.141530>

(Date of publication- 15/05/2025 | Publisher: Elsevier | Impact Factor- 4.7 | Indexed in SCIE, Scopus)

11. Dubinin MV, Ilzorkina AI, Nedopekina DA, Mikina NV, Belosludtseva NV, Khalitova RR, Kalita JK, Davletshin EV, Spivak AY, Laloo D, Belosludtsev KN. 2-Aminomethyl phenothiazine, its alkyl and triphenylphosphonium derivatives suppress erastin-induced ferroptosis in BT-474 cells but exhibit distinct cytotoxic activities. Naunyn-Schmiedeberg's Archives in Pharmacology. 2025. <https://doi.org/10.1007/s00210-025-03986-3>

(Date of publication- 05/03/2025 | Publisher: Springer | Impact Factor- 3.1 | Indexed in SCIE)

12. Kalita T, Dutta S, Shakya A, Ghosh SK, Singh UP, Bhat HR. In silico study, synthesis, and in vitro evaluation of nicotinamide-substituted 1, 3, 5-Triazine Derivatives as Inhibitors of Acetylcholinesterase and Butyrylcholinesterase. Journal of Molecular Structure. 2025;1331:141577. <https://doi.org/10.1016/j.molstruc.2025.141577>

(Date of publication: 01/01/2025 | Publisher: Elsevier | Impact Factor - 4.7 | Indexed in Scopus).

13. Arandhara A, Saha D, Das BK*. Evaluation of the cardioprotective potential of hydroethanolic extract of *Koenigia polystachya* L.(Qiú xù liǎo) leaves against isoproterenol-induced myocardial infarction in rats. Pharmacological Research-Modern Chinese Medicine. 2025;15:100612. <https://doi.org/10.1016/j.prmcm.2025.100612>

(Date of publication: 08/04/2025 | Publisher: Elsevier).

Review Articles

1. Sandhanam K, Rynjah D, Ghose S, Sahu RK, Ahmed AB, Sumitra M, Laloo D, Bhattacharjee B. Robotic thread-assisted clot removal for stroke treatment: A comprehensive review. Neuroscience. 2025; 570: 95-109. <https://doi.org/10.1016/j.neuroscience.2025.02.046>

(Date of publication- 19/02/2025 | Publisher: Elsevier | Impact Factor- 2.8 | Indexed in SCIE and Scopus).

2. Kalita P, Kalita T, Bora NS, Roy PK, Pachuau L, Roy S. A review on natural polymer-based film/coating in postharvest mushroom preservation. Food Control. 2025:111185. <https://doi.org/10.1016/j.foodcont.2025.111185>

(Date of publication: 30/01/2025 | Publisher: Elsevier | Impact Factor – 6.3 | Indexed in Scopus).

3. Arandhara A, Bhuyan P, Das BK*. Exploring lung cancer microenvironment: pathways and nanoparticle-based therapies. Discover oncology. 2025;16(1):159.

(Date of publication: 11/02/2025 | Publisher: Springer | Impact Factor – 2.9 | Indexed in SCIE).

4. Mehta P, Saha D, Das A, Das BK*. Gut microbiota in diabetic-linked polycystic ovarian syndrome: Mechanisms and therapeutic insights. Tissue and Cell. 2025:95:102870. <https://doi.org/10.1016/j.tice.2025.102870>

(Date of publication: 23/03/2025 | Publisher: Elsevier | Impact Factor – 2.5 | Indexed in Scopus).

5. Chakraborty J, Lanchenba Singh N, Das BK*. Gut microbiome and lung cancer: mechanisms, interactions, and dietary interventions. Gut Microbes Report. 2025;2(1). <https://doi.org/10.1080/29933935.2025.2501313>.

(Date of publication: 23/05/2025 | Publisher: Taylor & Francis).

List of Publication in a Book Chapter

1. Kushari S, Kalita T, Bharali A, Kalita JM, Laloo D. Chapter 4: Natural terpenoids: exploring their



Publication information for the academic session January-June 2025

- antidiabetic potential and mechanism of action. In: Gurav SS, Odoh UE, Gurav NS, Kulkarni YA, Chikale RV (editors). Antidiabetic Drug Discovery from Natural Products. **Jan 2025**, pp. 109-151. 1st ed. Elsevier **Publishers**. ISBN number: 978-0-443-30086-8. <https://doi.org/10.1016/B978-0-443-30086-8.00014-0>
2. **Saikia T, Sahu BP, Das MK**. Chapter 8: Lipid-drug conjugates for cancer chemotherapy. In: Malay Kr Das (Editors). Lipid-Drug Conjugates: Innovation and applications. **March 2025**, pp. 191-219, Academic Press. ISBN: 978-0-443-33382-8. <https://doi.org/10.1016/B978-0-443-33382-8.00008-X>
 3. **Sarma A, Chakraborty T, Baruah H, Das MK**. Chapter 14: Lipid-drug conjugates: future perspectives, industry trends and global forecast. In: Malay Kr Das (Editors). Lipid-Drug Conjugates: Innovation and applications. **March 2025**, pp. 383-398. Academic Press. ISBN: 978-0-443-33382-8. <https://doi.org/10.1016/B978-0-443-33382-8.00014-5>
 4. **Chakraborty T, Sarma A, Ghose S, Das MK**. Chapter 9: Lipid-drug conjugates for enhanced antiretroviral efficacy. In: Malay Kr Das (Editors). Lipid-Drug Conjugates: Innovation and applications. **March 2025**, pp. 221-231. Academic Press. ISBN: 978-0-443-33382-8. <https://doi.org/10.1016/B978-0-443-33382-8.00009-1>
 5. **Sarma A, Chakraborty T, Das BK, Goswami AK**. Chapter 22: Nano based enemas for colon targeting. In: Lalit Kumar, Yashwant V. Pathak. Nanocarriers Based Colon Targeting: Design, development, mechanism and case studies. **March 2025**, pp. 601-629. Academic Press. ISBN: 978-0-443-33382-8. <https://doi.org/10.1016/B978-0-443-24806-1.00022-4>
 6. **Ghose S, Bhattacharjee B, Rynjah D, Laloo D**. Chapter 16: Pesticides and Allergens. In: Uchenna E. Odoh, Shailendra S. Gurav, Michael O. Chukwuma, Editors. Pharmacognosy and Phytochemistry: Principles, Techniques, and Clinical Applications. **March 2025**, pp. 315-334. John Wiley & Sons, Inc., **Publishers**. Print ISBN number: 9781394203659; Online ISBN: 9781394203680. <https://doi.org/10.1016/C2023-0-52242-6>
 7. Dutta K, **Das T, Saha D, Chakraborty T, Mishra SB**. Chapter 3: Phytochemicals in food for the prevention of Gaucher Disease. In: Shanti Bhushan Mishra, Shradhanjali Singh (editors). Bioactives in Nutritional and Metabolic disorders. Cambridge Scholars Publishing, 1st Edition, **May 2025**, ISBN: 978-1-0364-4544-7. ISBN (Ebook): 978-1-0364-4545-4
 8. **Ghose S, Das T, Saikia NJ, Das SR, Saha D**. Chapter 4: Role of Therapeutic Agents for Preventing Glucose Galactose Malabsorption. . In: Shanti Bhushan Mishra, Shradhanjali Singh (editors). Bioactives in Nutritional and Metabolic disorders. Cambridge Scholars Publishing, 1st Edition, **May 2025**, ISBN: 978-1-0364-4544-7. ISBN (Ebook): 978-1-0364-4545-4
 9. **Patowary L, Saikia T**. Chapter 18: The Role of GAD65 in Early Detection of Latent Autoimmune Diabetes in Adults. In: Editors: Ajmer Singh Grewal, Neelam Singh, Swati Verma et al. (Editors)., Receptor-Targeted Therapies in Diabetes Mellitus. **June 2025**, pp. 221-225, Nova Science **Publishers**, Inc. ISBN: 979-8-89530-587-4

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

1. **Damiki Laloo**. Navigating Ethical Challenges in Upholding Research Quality and Scientific Standards. 2-day National Conference on 'Role of Biological, chemical, and pharmaceutical sciences in integrative medicine and holistic health-2025'. Organized by School of Pharmaceutical Sciences, Tezpur Campus, GCU in collaboration with Association of Chemistry Teachers (ACT), Mumbai, India and Rangapara College, Rangapara, Sontipur, Assam. Dated: 21.02.2025 – 22.02.2025. (**Invited Speaker**).
2. **Damiki Laloo**. Demonstrator for HPTLC applications at the 2 day workshop on "Advanced instrument



Publication information for the academic session January-June 2025

handling for drug discovery and development” organized by the School of Pharmaceutical Sciences, Girijananda Chowdhury University under DST-FIST (Level-0) funding. Dated: 25.03.2025 – 26.03.2025. (**Demonstrator**).

3. **Damiki Laloo**. Navigating Ethical Challenges in Upholding Research Quality and Scientific Standards. 7 Day Faculty Development Program on ‘Bridging Academia and Industry: A Collaborative Approach for Pharmaceutical Innovation’ organized by Royal School of Pharmacy in association with Royal Centre for Human Resource Development. Dated: 22.04.2025 -28.04.2025. (**Invited Keynote Speaker**)

Information on 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. **Trideep Saikia** attended 5-day Faculty Development Program on Next-Gen Therapeutics: Emerging Trends in Drug Discovery and Biotechnology, organized by Amity Institute of Pharmacy, Amity University Kolkata from 9th June to 13th June 2025.
2. **Trideep Saikia** attended five day e – faculty development program on the topic “Contemporary & Emerging technologies in Medical and Pharmacy sector” jointly organized by Nirmala College of Pharmacy, Kadapa & Sree Venkateswara College of Pharmacy, Nellore, Andhra Pradesh from 26th May 2025 to 30th May 2025.
3. **Rupa Sengupta** attended Six Days National level e-Faculty development programme on Smart Research for the digital age: Mastering Grant Proposals, High impact Scopus publishing, Patents and AI-driven excellence. Organized by Sardar Patel College of Pharmacy in association with Gujarat Technological University(GTU),Gujarat, 7th to 12th April 2025

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

1. **Damiki Laloo**. Awarded ‘**Certificate of Reviewing**’ for completing 18 reviews in Elsevier Journals. Reviewer recognition (Elsevier, Amsterdam, Netherland).
2. **Junmoni Kalita**. Awarded Excellence in Pharmacy Teaching Award 2023-2024 by Association of Registered Pharmacist, Assam (ARPA)

Any other R&D information on the achievements of the respective Department (inclusive of achievements/awards/recognition received by UG/PG/Ph.D scholars at conference, convention or university level R&D competition etc.)

1. **Suman Kumar** (Ph.D. Scholar, Dept. of Pharmaceutical Chemistry) achieved Best Research Presentation Award at the 10th International Conference in Pharmacy and Pharmaceutical Sciences at Jeju Island, South Korea: 28.06.2025 – 30.06.2025.
Title of presentation: ‘Phytochemical Insights: Exploring *Potentilla fulgens* Root Constituents for Diabetic Foot Ulcer Healing Efficacy’
Supervisor: Dr. Damiki Laloo (Supervisor).



Publication information for the academic session January-June 2025

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

Publication information

List of Publication in Journals

Research Articles

1. **Bhattacharjee B**, Shakya A, Shivavedi N, Sahu RK, Sandhanam K. Exploring the combined neuroprotective effects of resveratrol and hesperidin in a scopolamine-induced rat model of cognitive impairment. *Neuroscience*. 2025;579: 54-68. <https://doi.org/10.1016/j.neuroscience.2025.05.302>
(Date of publication- **26/05/2025** | ELSEVIER | **Impact Factor- 2.8** | Indexed in SCI, ESCI, Scopus, Web of Science).
2. **Newar A, Barman D*, Pegu P**, Zumvii K, **Ahmed AB**. Formulation, Evaluation and Comparative Study of Polyherbal Shampoo with Marketed Synthetic Shampoo. *Journal of Drug Delivery and Therapeutics*. 2025;15(6):71-78. <https://doi.org/10.22270/jddt.v15i6.6996>
(Date of publication- **15/06/2025** | Impact Factor- 0 | **Publisher**-Society of Pharmaceutical Technocrats).
3. **Alom S, Ali F***, Bezbaruah R, Kakoti BB. In-vitro and in-silico analysis of phytoconstituents of *Enhydra fluctuans* as an antidiabetic agent. *Advances in Traditional Medicine*. 2025. <https://doi.org/10.1007/s13596-025-00821-1>
(Date of publication- **14/03/2025** | SPRINGER NATURE | **Impact Factor- 1.3** | Indexed in Scopus).
4. Jana BK, Singha I, Puro N, Baishya R, **Dutta RS**, Singh M, Mazumder B. Pseudo-ternary phase diagram based PEGylated nano-dispersion of linezolid to promote wound regeneration: an *in vitro* and *in vivo* evaluation. *Journal of Drug Targeting*. 2025;33: 1-15. <https://doi.org/10.1080/1061186X.2025.2461093>
(Date of publication- **12/02/2025** | Taylor & Francis | **Impact Factor- 3.9** | Indexed in SCI, Scopus).
5. Biswas S, Sengupta S, **Pegu P**, Dey N, Sen A, Debnath B, Nag M, Amin N, Das A, Datta S, Bishal A. Design and Characterization of Aceclofenac-Loaded Microballoons using Eudragit with Hydroxypropyl Methylcellulose. *Journal of Drug Delivery and Therapeutics*. 2025; 15(1):130-141 <http://dx.doi.org/10.22270/jddt.v15i1.6971>
(Date of publication- **15.01.2025**).

Review Articles

1. **Hazarika H***, Rajan RK, **Pegu P**, **Das P**. Insecticide resistance in mosquitoes: molecular mechanisms, management, and alternatives. *Journal of Pest Science*. 2025;6:1-29. <https://doi.org/10.1007/s10340-025-01895-1>
(Date of publication- **06/05/2025** | Springer Nature | **Impact Factor- 4.1** | Indexed in SCIE, Scopus).
2. **Hazarika H***, Krishnatreyya H. Technological Advancements in Mosquito Repellents: Challenges and Opportunities in Plant-Based Repellents. *Acta Parasitologica*. 2025 Jun;70(3):1-26. <https://doi.org/10.1007/s11686-025-01054-7>
(Date of publication- **28/05/2025** | Springer Nature | **Impact Factor- 1.5** | Indexed in SCIE, Scopus).
3. Chavda VP, Bezbaruah R, Ahmed N, **Alom S**, **Bhattacharjee B**, Nalla LV, **Rynjah D**, Gadanec LK, Apostolopoulos V. Proinflammatory cytokines in chronic respiratory diseases and their management. *Cells*. 2025;14(6):400. <https://doi.org/10.3390/cells14060400>
(Date of publication- **09/03/2025** | MDPI | **Impact Factor- 5.2** | Indexed in SCI, Scopus).



4. **Bhattacharjee B**, Sandhanam K, Sahu RK, Sumithra M, **Ahmed AB**. Emerging Crisis: Rise of HIV Through Injectable Drugs Use in Adolescents as a New Pandemic in Tripura, India. Outbreak Management and Response. 2025;1(1):2428460. <https://doi.org/10.1080/29947677.2024.2428460>
(Date of publication- 08/04/2025 | Taylor & Francis | Impact Factor- 0).
5. **Bhattacharjee B**, Sandhanam K, **Rynjah D**, Kalita P, **Newar A**, Kalita K, Sarma S, Dutta PP, Kapil MJ, **Ahmed AB**, Sahu RK. Recent trends in hydrogel-based formulation for the treatment of diabetic wounds: A review. Journal of Drug Delivery Science and Technology. 2025;107:106848. <https://doi.org/10.1016/j.jddst.2025.106848>
(Date of publication- 21/03/2025 | Elsevier | Impact Factor- 4.9 | Indexed in SCIE).
6. Kalita P, Chakrabarti S, **Bhattacharjee B**, Paul S, Dutta PP, Pachuau L. Recent progress in improving delivery, bioavailability and bioactivity of polyphenolic compounds through encapsulation: A comprehensive review. Food Chemistry. 2025;490:145087. <https://doi.org/10.1016/j.foodchem.2025.145087b>
(Date of publication- 10/06/2025 | Elsevier | Impact Factor- 9.8 | Indexed in SCI, Scopus, Web of Science).
7. Goswami A, Kalita P, **Bhattacharjee B**, Sandhanam K, Dutta PP. A detailed insight into the role of nanosized drug carriers for the management of diabetic wounds. Journal of Drug Delivery Science and Technology. 2025;105:106688. <https://doi.org/10.1016/j.jddst.2025.106688>
(Date of publication- 04/02/2025 | Elsevier | Impact Factor- 4.9 | Indexed in SCIE).
8. Sandhanam K, **Rynjah D**, **Ghose S**, Sahu RK, **Ahmed AB**, Sumitra M, **Laloo D**, **Bhattacharjee B***. Robotic thread-assisted clot removal for stroke treatment: A comprehensive review. Neuroscience. 2025; 570:95-109. <https://doi.org/10.1016/j.neuroscience.2025.02.046>
(Date of publication- 19/02/2025 | Elsevier | Impact Factor- 2.8 | Indexed in SCI, Scopus).
9. Kalita P, **Bhattacharjee B**, Goswami A. *et al.* Development of zein-based functional packaging in food preservation: a comprehensive review. Journal of Food Measurement and Characterization. 2025;19:6239–6263. <https://doi.org/10.1007/s11694-025-03422-3>
(Date of publication- 17/06/2025 | Springer | Impact Factor- 3.3 | Indexed in SCIE, Scopus).
10. **Newar A**, Dash B, Kumar P, Badola K, Trehan S, Goyal A, Asokan N. Comparative Pharmacognostic and Phytochemical Evaluation of Marketed and Wild-Collected Herbal Drugs: A Systematic Review. Journal of Neonatal Surgery. 2025;14(3s).
(Date of publication- 06/06/2025 | EL-MED-Pub Publisher | Impact Factor- 0 | Indexed in Scopus).
11. **Bhaumik A**, Vikram K, Das L, Abedin SMS, Shome P, Dey B. Review on *Dioscorea alata*: Phytoconstituents, Pharmacological Potential, and Future Therapeutic Benefits. Journal of Neonatal Surgery. 2025;14(9S). <https://doi.org/10.52783/jns.v14.2989>
(Date of publication- 03/04/2025 | EL-MED-Pub Publisher | Impact Factor- 0 | Indexed in Scopus)
12. **Bhaumik A**, Das L, Vikram K, Paul S, Lahon D, Sarmah A, Kashyap A, Bhowmik P. Synthesis and Therapeutic Potential of Oxadiazole Scaffolds: A Comprehensive Review of Recent Advancements. Journal of Neonatal Surgery, 2025;14(9S).
(Date of publication- 24/04/2025 | EL-MED-Pub Publisher | Impact Factor- 0 | Indexed in Scopus).
13. **Bhaumik A**, Saha S, Baishya U, Kashyap G, Kuli B, Rahman F, Sarkar N. Screening of Bioactive Molecules and Phytopharmacological Potential of *Ipomoea cairica*: A Comprehensive Review. American Journal of Psychiatric Rehabilitation. April, 2025. <https://doi.org/10.69980/ajpr.v28i1.80>
(Date of publication- 09/04/2025 | University of Nebraska Press, United States | Impact Factor- 0).



List of Publication in a Book Chapter

1. Ghose S, **Bhattacharjee B**, Rynjah D, Laloo D. Chapter 16: Pesticides and Allergens. In: Odoh, UE., Gurav, SS., Chukwuma, MO. (eds). Pharmacognosy and Phytochemistry: Principles, Techniques, and Clinical Applications. 2025, pp 315-334, Wiley. Print ISBN: 9781394203659, Online ISBN: 9781394203680. <https://doi.org/10.1002/9781394203680.ch16> (Date of publication- 13/03/2025 | **JOHN WILEY & SONS**).
2. Kuppusamy S, **Bhattacharjee B**, **Ghose S**, Tamilanban T, **Barman D**, **Ahmed AB**, Sahu RK. Chapter 12: Current status and Future Prospect of Bioremediation Using Green Synthesis of Nanoparticle/Nanomaterials. In: Dave, V., Kuila, A. (eds). Nanomaterials as a Catalyst for Biofuel Production. Clean Energy Production Technologies. 2025, pp 295–327, Springer, Singapore. Print ISBN: 978-981-96-1705-0, Online ISBN: 978-981-96-1706-7. https://doi.org/10.1007/978-981-96-1706-7_12 (Date of publication- **01/03/2025** | Springer).
3. Chavda VP, Vaghela DA, **Barman D**, **Newar A**, Nasima A. Chapter 8: Manufacturing and Control of Viral-Vector Vaccines: Challenges. In: Vivek P. Chavda, Vasso Apostolopoulos (Eds.). Viral Vectors for Vaccine Delivery. 202, pp. 221-55. <https://doi.org/10.1002/9781394271566.ch8> (Date of publication- **23/05/2025** | WILEY).
4. Chavda VP, Pankti C, Balar P, Vaghela D, Teli D, Chaudhari A, **Alom S**. Chapter 4: Replication-Competent Viral Vectors for Vaccine Delivery. In: Vivek P. Chavda, Vasso Apostolopoulos. Viral Vectors for Vaccine Delivery. 2025, pp. 91-124. Print ISBN:9781394271535, Online ISBN:9781394271566. <https://doi.org/10.1002/9781394271566.ch4> (Date of publication- **23/05/2025** | WILEY).
5. Kumar A, Pandita P, Modi H, **Alom S**, Chavda VP. Chapter 9: Viral Vectors in Veterinary Vaccine Development. In: Chavda VP, Apostolopoulos V (eds). Viral Vectors for Vaccine Delivery. 2025 June 23, pp 257-315, Wiley. Print ISBN:9781394271535, Online ISBN:9781394271566. <https://doi.org/10.1002/9781394271566.ch9> (Date of publication- 23/05/2025 | **WILEY**).
6. **Chowdhury R**, Sharma HK. Chapter 15: Prostate Cancer: Current and New Drug Delivery Systems. In: Shegokar R, Pathak, YV (eds). Drug Delivery Landscape in Cancer Research (Volume 1). Academic Press. 2025, pp 351-374, Elsevier, United States. Print ISBN: 978-0-443-29168-5. <https://doi.org/10.1016/C2023-0-51349-7> (Date of publication- 02/04/2025 | Elsevier)
7. **Das S**, Dutta GK, Barua S, Bishwas NR. Chapter 3: Spectroscopic and microscopic characterization of cellulose-based hydrogels. In: Deshmukh K, Barua S, Baruah S, Hussain CM (eds). Cellulose-Based Hydrogels: Elsevier; 2025.p. 47-63. ISBN: 978-0-443-22049-4. <https://doi.org/10.1016/B978-0-443-22049-4.00006-0>(Date of publication-01/01/ 2025/Elsevier)

List of Publication in a Book

1. **Asish Bhaumik**, Sandhya P. Kadam, M. Viswanadha Murthy, Suresh Kumar Bhandari, Ishwari Rajesh Chaudhari. A Comprehensive Text Book for Medicinal Chemistry (As Per New Syllabus of Pharmacy Council of India BP402T), **Publisher:** Shashwat Publication ISBN: 978-93-6087-492-6.

List of Publication in Patent

1. Jain SK, **Pegu P**, **Newar A**, **Barman D**, **Kalita N**, Chavan SS, Gupta Mayuri, Kapil MJ. Device for Developing Lipid Labyrinths and Nano-structures for Enhanced Drug Delivery Indian Patent No-440132-001. (Date of patent published/filed- 10/12/2024 | Date of granted- 28/01/2025).



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

1. **Asish Bhaumik.** Oral presentation titled “Ionophores: Modulators of Cellular Ion Homeostasis and Emerging Therapeutic Agents” at the 5th Edition of the Chemistry World Conference, held from June 2 to June 4, 2025, in Rome, Italy and Online (**Invited speaker**).
2. **Sanghita Das** participated in the ISCBC International **Conference on Current Trends in Chemical Biological and Pharmaceutical Sciences: Impact on Health and Environment**” held on 27th -29th January, 2025, in University of Lucknow, Lucknow, India (**Oral presentation**).
3. **Asish Bhaumik** participated in the 30th **ISCB International Conference (ISCBC-2025)** on “**Current Trends in Chemical, Biological, and Pharmaceutical Sciences: Impact on Health and Environment**” and presented a paper at oral with entitled “Design, Synthesis, molecular characterization and evaluation of *in vivo* antitumor activity of novel oxadiazole scaffolds” organized by the Department of Chemistry, University of Lucknow, Lucknow, India was held from 27th January 2025 to 30th January 2025. (**Oral presentation**).
4. **Shahnaz Alom.** Evaluation of antioxidant and hypoglycemic activity of *Enhydra fluctuans* Lour. extract. **National conference** on “Role of biological, chemical and Pharmaceutical sciences in integrative medicine and holistic health- 2025 (RBCPS-IMHH-2025)” organized by Girijananda Chowdhury University, Tezpur campus in collaboration with Association of Chemistry Teachers (ACT) and Rangapara college, Assam, India from 21-22 February, 2025. (**Oral presentation**).
5. **Farak Ali.** In-silico study of Hydroxymethyl Phthalimide-substituted 1,3,5-Triazine derivative as anti-Alzheimer’s Agent. **National conference** on “Role of biological, chemical and Pharmaceutical sciences in integrative medicine and holistic health- 2025 (RBCPS-IMHH-2025)” organized by Girijananda Chowdhury University, Tezpur campus in collaboration with Association of Chemistry Teachers (ACT) and Rangapara college, Assam, India from 21-22 February, 2025. (**Oral presentation**).
6. **Debika Sarmah.** Chrysin as a Hepatoprotective agent against valproate–induced toxicity. National conference on “Role of biological, chemical and Pharmaceutical sciences in integrative medicine and holistic health- 2025 (RBCPS-IMHH-2025)” organized by Girijananda Chowdhury University, Tezpur campus in collaboration with Association of Chemistry Teachers (ACT) and Rangapara college, Assam, India from 21-22 February, 2025. (**Oral presentation**).
7. **Punamjyoti Das.** Lipid-Polymer Hybrid Nanoparticles as a Novel Carrier for Anti-Diabetic Drug Delivery. International Conference on “Innovations in Sustainable Drug Discovery & Development to combat the crisis of Antimicrobial resistance” Organized by Eminent College of Pharmaceutical Technology in association with Central Ayurveda Research Institute, Kolkata , Ministry of Ayush, Govt. of India, 27th -28th February, 2025. (**Oral Presentation**).
8. **Punamjyoti Das.** Portulaca Grandiflora extract loaded nanovesicles as an effective carrier for Topical drug delivery. **International Conference** on “Navigating the future of Pharma and Biotech Industry: Harmonizing the Industry and Academia” organized by Dibrugarh University, Assam, India, 21-22 March, 2025. (**Poster presentation**)
9. **Padmanath Pegu.** ISOLATION AND CHARACTERIZATION OF RED WEAVER ANT VENOM. **International Conference** on “Navigating the future of Pharma and Biotech Industry: Harmonizing the Industry and Academia” organized by Dibrugarh University, Assam, India, 21-22 March, 2025. (**Poster presentation**).
10. **Rajat Subhra Dutta.** Development of co-processed excipients of *Chakhao amubi* rice starch and



Publication information for the academic session January-June 2025

- lactose monohydrate with assessment of their tableting capabilities. **International Conference** on “Navigating the future of Pharma and Biotech Industry: Harmonizing the Industry and Academia” organized by Dibrugarh University, Assam, India, 21-22 March, 2025. **(Poster presentation)**
11. **Arzoo Newar.** The Sensitive Plant: A Review of Medicinal and Ethnobotanical Applications of *Mimosa pudica*. **International Conference** on “Empowering Healthcare and wellbeing Towards Achieving Sustainable Development goals: research, Innovation and industry Academia Partnership” **AdtU PHARMACON 3.0** organized by Assam down town University, Guwahati, Assam, India 28-29 March, 2025. **(Poster Presentation)**
 12. **Shahnaz Alom.** Exploring the Antidiabetic potential of *Enhydra fluctuans* Lour.: A combined in-silico and in-vitro approach. **2nd international conference** on “Data Driven AI (ICDDA-2025)” organized by the Assam Kaziranga University, Jorhat, Assam, India from 7-9 May, 2025. **(Poster presentation).**
 13. **Farak Ali.** Computational Investigation of Hydroxymethyl Phthalimide-substituted 1,3,5-Triazine as a potential anti-Alzheimer’s Agent. **2nd international conference** on “Data Driven AI (ICDDA-2025)” organized by the Assam Kaziranga University, Jorhat, Assam, India from 7-9 May, 2025. **(Poster presentation).**

Information on Achievements, Recognition and Awards in R&D at State, Regional, National and International scenario

1. **Farak Ali** received **Best Paper award** on Computational Investigation of Hydroxymethyl Phthalimide-substituted 1,3,5-Triazine as a potential anti-Alzheimer’s Agent at **2nd international conference** on “Data Driven AI (ICDDA-2025)” organized by the Assam Kaziranga University, Jorhat, Assam, India from 7-9 May, 2025.
2. **Shahnaz Alom** received **Best Paper award** on Computational Investigation of Hydroxymethyl Phthalimide-substituted 1,3,5-Triazine as a potential anti-Alzheimer’s Agent at **2nd international conference** on “Data Driven AI (ICDDA-2025)” organized by the Assam Kaziranga University, Jorhat, Assam, India from 7-9 May, 2025.



Publication information for the academic session January-June 2025

School	School of Health and Allied Sciences
Department	Medical Lab Technology and Physiotherapy

Publication information

List of Publication in Journals

Review Article

1. Nuinsa P, Deka AC, **Vidhya S**. Salivary Biomarkers in oral Squamous cell Carcinoma diagnosis and prognosis- A Review. International Journal of Research and Review. 2025;12(2);251-264. <https://doi.org/10.52403/ijrr.20250229>

(Date of publication- Feb 2025 | Publisher: IJRR | Impact Factor- 0 | Indexed in CAS and Index Copernicus).

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

1. **Dr. Vidhya Srinivasan**. Isolation, Identification, and Antibiotic sensitivity testing of commonly isolated bacteria from clinical samples. 3 days workshop organized PEWS group of College, Assam. Dated: 5-7th Feb 2025. (Resource person/Speaker)
2. **Dr. Vidhya Srinivasan**. Arsenic contamination in water and diabetes risk: A Pilot Study in a selected Area of Assam. IDF world diabetes Congress 2025 Organized by International Diabetes federation, Bangkok. Dated: 7-10th April 2025. (Poster Presentation)
3. **Dr. Vidhya Srinivasan**. Scientific Seminar on Molecular Technologies and AI: The Next Frontier in Clinical Lab diagnostics organized by All Assam Medical Laboratory Technician Association, Assam. Dated: 20th April 2025. (Resource person/Speaker)

Information on 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. **Dr. Vidhya Srinivasan** attended one week online FDP on “Microplastic Pollution: Sources, Analysis and Remediation” Organised by Dr. BR Ambedkar National Institute of Technology from 3- 7th Feb 2025.
2. **Ms. Pasang Drema Goiba** attended online DHR sponsored training programme on ‘Molecular Biology in Health Research’ organized by Mahatma Gandhi Medical Advanced Research, Puducherry from 11-12th March 2025
3. **Ms. Pasang Drema Goiba** attended two day DT FIST sponsored workshop on “Advanced instrument Handling for Drug discovery and development organized by Girijananda Chowdhury University from 25-26th March 2025
4. **Ms. Pasang Drema Goiba** Participated in an online training programme on “Advance Tools and Techniques for Research Methodology” organized by Research Foundation of India in association with Parul University from 01-11th April 2025
5. **Ms. Pasang Drema Goiba** attended Scientific Seminar on “Molecular Technologies and AI: The Next Frontier in Clinical Lab diagnostics” organised by All Assam Medical Laboratory Technician Association, Assam on 20th April 2025.



Publication information for the academic session January-June 2025

6. **Ms. Pasang Drema Goiba** Participated in five days virtual workshop on “Data Analysis and Machine learning in Bioscience research using programming in R” organized by Quaxon Bio & IT Solutions from 30th April-4th May 2025
7. **Mr. Prayash Borah** attended online DHR sponsored training programme on ‘Molecular Biology in Health Research’ organized by Mahatma Gandhi Medical Advanced Research, Puducherry from 11-12th March 2025
8. **Mr. Prayash Borah** participated in a five day international workshop on sophisticated instrumentation techniques organized by VIT – AP university in association with Institute of Physical sciences, National Autonomous University of Mexico from 17-21 March 2025
9. **Mr. Prayash Borah** attended two day DT FIST sponsored workshop on “Advanced instrument Handling for Drug discovery and development organized by Girijananda Chowdhury University from 25-26th March 2025
10. **Mr. Prayash Borah** attended online FDP on “Enhancing Research and Innovation Funding” Organized by Innovation incubation and Entrepreneurship cell, VIT-AP university from 7-11th April 2025.
11. **Mr. Prayash Borah** attended online Executive Development Program on “AI and Ethics: Responsible Practices across Sciences, Technology, Law and Society” organized by VIT-AP university from 25-30th June 2025
12. **Mr. Prayash Borah** attended Scientific Seminar on “Molecular Technologies and AI: The Next Frontier in Clinical Lab diagnostics” organized by All Assam Medical Laboratory Technician Association, Assam on 20th April 2025.
13. **Ms Chayanika Das** attended online FDP on “ First hand experience on SPSS- introduction Module” organized by Research foundation of India in Association with BPIT Delhi from 20-27th Jan 2025
14. **Ms Chayanika Das** attended online FDP on “ First hand experience on SPSS- introduction Module” organized by Research foundation of India in Association with Parul University from 01-11th April 2025

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

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| 1. Dr. Vidhya Srinivasan selected as a Professional Council Member of Medical Laboratory and Life sciences professional under National commission of Allied and Healthcare professions, GOI (Notification Number: 40/1/2025-AHS-DOHFW DEPARTMENT, dated 26.03.2025) |
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Publication information for the academic session January-June 2025

School	School of Engineering & Technology
Department	Electrical Engineering (EE)

Publication information

List of Publication in Journals

Research article

1. **Bordoloi S**, Barman S, Medhi K, Kalita A, Das J. Application of linear programming for optimal allocation of a diesel-PV hybrid power system. Assam Don Bosco University Journal of Electrical and Electronics Engineering. 2025;6(1):26–34.
(Date of publication- **June 2025** | Publisher: ADBU)
2. **Bordoloi S**, Mazinder MS, Roy RR. Spectral analysis of musical and random noise signals with audio classification: A comparative study. Assam Don Bosco University Journal of Electrical and Electronics Engineering. 2025;6(1):1–8.
(Date of publication- **June 2025** | Publisher: ADBU)
3. **Hazarika S**. Analysis of Solar Power Potential with Variations in Panel Parameters. International Journal of Innovative Research in Technology. 2025;11(11).
https://ijirt.org/publishedpaper/IJIRT175577_PAPER.pdf
(Date of publication- **April 2025** | Publisher: IJIRT publishers)
4. **Hazarika S**, Bharadwaj P, Saikia NN, Bhuyan PP, Baruah P, Bora BJ. Design and Analysis of a Standalone PV System in North East India. International Scientific Journal of Engineering and Management. 2025;4(5). <https://doi.org/10.55041/ISJEM03871>
(Date of publication- **May 2025** | Publisher: Edtech Publishers Pvt. Ltd.)

Review Article

1. Das T, **Borah AA**. The Role of various types of plasma treatments to improve and enhance the various insulation and dielectric properties of the materials- A Review. Assam Don Bosco University Journal of Electrical and Electronics Engineering. 2025;6(1):9–25.
(Date of publication- **June 2025** | Publisher: ADBU)
2. **Roy P**, Roy A, Sarma KA, Talukdar BK. A review on optimization of PV-TEG Hybrid Model. Assam Don Bosco University Journal of Electrical and Electronics Engineering. 2025;6(1):1–8.
(Date of publication- **June 2025** | Publisher: ADBU)

List of Publication in Conference Proceedings

1. **Bordoloi S**, **Borah AA**, Mazinder MS. Comparative analysis of chlorophyll meter and machine learning to identify health condition of plants. In: Proceedings of the 2nd International Conference on Data Driven AI; 7–9 May 2025; Assam Kaziranga University, Jorhat, Assam, India. pp. 46.
2. **Borah AA**, Medhi P, Das S. LeakTech : Smart Fluid Conservation System Through IoT. In: Proceedings of the 2nd International Conference on Data Driven AI. 7–9 May 2025; Assam Kaziranga University, Jorhat, Assam, India. po. 118.
3. **Borah AA**, Bora P, Mandal P, Deka C, Ahmed T, Kalita R. Sensor-Based IoT System for Sustainable Classroom. In: Proceedings of the 2nd International Conference on Data Driven AI. 7–9 May 2025; Assam Kaziranga University, Jorhat, Assam, India. pp. 119.
4. **Roy P**, Roy A, Sarma KA, Talukdar BK. Tilt Angle Optimization and Economic Analysis of a Solar PV System: A Case Study at Guwahati. In: Proceedings of the 2nd International Conference on Data Driven AI. 7–9 May 2025; Assam Kaziranga University, Jorhat, Assam, India. pp. 46.

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

1. **Roy P**. Tilt Angle Optimization and Economic Analysis of a Solar PV System: A Case Study at Guwahati. In: 2nd International Conference on Data Driven AI. May 7–9, 2025; Jorhat, Assam, India. Assam Kaziranga University (**Paper presentation**).



Publication information for the academic session January-June 2025

Any other R&D information on the achievements of the respective Department (inclusive of achievements/awards/recognition received by UG/PG/Ph.D scholars at conference, convention or university level R&D competition etc.)

1. Two Students of the department, Nabajit Choudhury and Hritikesh Das participated in JEC Hackathon and won the 4th prize on March 2, 2025.

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

Publication information

List of Publication in Journals

Research Article

1. **Chakraborty O***, Nath S. Optimization of thermal performance of LS-2 model parabolic solar trough collectors using advanced nanofluid blends. Journal of Thermal Analysis and Calorimetry 2025;150: 5815-5840. <https://doi.org/10.1007/s10973-025-13995-2>
(Publication date: **18/03/2025** | Publisher-Springer Nature | **Impact Factor-3.1** | Indexed in Scopus SCIE)
2. **Chakraborty O***, Nath S. Performance analysis of a parabolic solar trough collector with multiple revolving tubes for ternary nanofluid and different base fluids. Journal of Thermal Analysis and Calorimetry 2025;150:3421-3447.
(Publication date: **04/02/2025** | Publisher-Springer Nature | **Impact Factor-3.1** | Indexed in Scopus SCIE)

List of Publication in a Book Chapter

1. Deka KJ, Das S, **Das S**. Chapter 18: Experimental Analysis and Optimization of Microwave Welding Parameters for Improved Joint Strength. In: Sandip Kumar, Gurudas Mandal (Eds.). Advanced Welding Technologies. April 2025, pp. 369-384. Scrivener Publishing LLC (Wiley), Print ISBN:9781394331895; Online ISBN: 9781394331925. <https://doi.org/10.1002/9781394331925.ch18>

Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others

Ongoing

1. Dr. Sangeeta Das,
"Title is kept confidential by RDC-GCU"
University SEED Grant, Project code: SEED/2024-25/07
Duration: 2 Years
Amount sanctioned: Rs 65000/-
Sanctioned date: 22/05/2025
2. Dr. Nirmala Devi (P.I.) & **Dr. Dheeman Bhuyan** (Co-P.I.).
"Title is kept confidential by RDC-GCU"
Funding Agency: Intramural research under GCU SEED Grant 2024-25
Duration: 2 Years
Sanctioned date: 22/05/2025
3. **Dr. D. Mallick (PI)**,
"Power generation utilizing product gas of co-gasification of mixed feedstock in a downdraft gasifier"
Funding Agency: AICTE
Duration: 3 years



Publication information for the academic session January-June 2025

Amount Sanctioned: 16.7 lakhs.

Proposed

1. **Dr. Kankan Kishore Pathak** (PI, GCU), **Dr. Oveepsa Chakraborty** (Co-PI, GCU).
Title is kept confidential by RDC-GCU
Submitted Under: ARG, ANRF
Submission date: July 2025
Total Cost: INR 42,79,199
Duration: 3 Years (36 Months)
2. **Dr. Oveepsa Chakraborty** (PI, GCU), **Dr. Kankan Kishore Pathak** (Co-PI, GCU).
Title is kept confidential by RDC-GCU
Funding agency: ARG, ANRF
Amount proposed: Rs. 47,08,400/-
Duration: 5 years
Date of submission: 29.06.2025
3. **Dr. Dheeman Bhuyan (Principal Investigator)**, Dr. J.P. Kalita, Apollo Hospital Guwahati (Industry Collaborator)
Title is kept confidential by RDC-GCU
Funding Agency: ARG, ANRF
Amount Proposed: ₹ 73,94,400/-
Duration: 3 years
Date of Application: 15 July 2025

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

Publication information

List of Publication in Journals

Research Articles

1. Ain A*, **Gogoi M**, Chutia D. A new spectral index for vegetation extraction using satellite data. Journal of Applied and Natural Science; 2025;17(1):205-217. <https://doi.org/10.31018/jans.v17i1.6186>
(Date of publication- **20/03/2025** | Publisher: ANS Foundation | **Impact Factor-0.25** | Indexed in Scopus).
2. **Pradhan A***, Rahman M, Sarma SK, Kalita A, Ali A, Ghosh P. Classification of Dyslexia Using Bayesian Optimized CNN on Plane-wise Separated fMRI Images with Visual Interpretation. IETE Journal of Research, 2025:1-14. <https://doi.org/10.1080/03772063.2025.2489047>
(Date of publication- **16/04/2025** | Publisher: Taylor & Francis | **Impact Factor-1.3** | Indexed in SCIE, Scopus).

List of Publication in Conference Proceedings

1. Sarmah Mazinder M, **Gogoi M**, Baruah M, Longkumer I. (2025). An Investigation of AI-Assisted Strategies for Accurate Detection of Oral Cancer in Assam. Proceedings of 5th International Conference on Intelligent Systems and Machine Learning (ICISML-2025). Organized by NIT Meghalaya, India. Dated: 09.05.2025 – 10.05.2025.
2. Sarmah Mazinder M, **Gogoi M**, Baruah M, Longkumer I, Performance. (2025). Evaluation of SVM, CNN, VGG-16, and VGG-19 for Image –Based Oral Cancer Diagnosis. 2nd International Conference on Data-Driven AI (ICDDA-2025). Organized by Assam Kaziranga University, Assam. Dated: 07.05.2025–09.05.2025.
3. **Ahmed M**, Paul AB, Goswami JP. (2025) Reliable Communication in Opportunistic Network based on Trust: A Review. 3rd International Conference on Intelligent Systems, Advanced Computing and Communication (ISACC), Silchar, India, 2025, pp. 1367-1372. Publisher: IEEE, **ISBN: 979-8-3315-**



Publication information for the academic session January-June 2025

2389-3. <https://doi.org/10.1109/ISACC65211.2025.10969172>

4. Basumatary S, Barman M, Narzary P, Barman AK, Nag A. (2025). Word Sense Disambiguation for BODO Language Using Simplified LESK. In: Singh JP, Singh MP, Singh AK, Mukhopadhyay S, Mandal JK, Dutta P. (eds). Computational Intelligence in Communications and Business Analytics. CICBA 2024. Communications in Computer and Information Science, vol 2366. Springer, Cham. ISBN (online): 978-3-031-81342-9. https://doi.org/10.1007/978-3-031-81342-9_12

List of Publication in a Book Chapter

- 1 **Gogoi M.** (2025). Early Detection of Mental Health Condition and Advising System Using Artificial Intelligence. In: Singh, T.P., Kumar, C.J., Abraham, A., Igulu, K.T. (eds) Revolutionizing Healthcare: Impact of Artificial Intelligence on Diagnosis, Treatment, and Patient Care. Studies in Computational Intelligence, vol 1182. Springer, Cham. https://doi.org/10.1007/978-3-031-80813-5_15

Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others

Ongoing

- 1 Dr. Nilakshi Goswami (PI, GCU), **Shrabani Medhi** (Co-PI, GCU).
"Title is kept confidential by RDC-GCU"
Funding agency: Assam Science Technology and Environment Council (ASTEC) [Government]
Amount sanctioned: Rs. 2,70,000/-
Duration: 2 years
Date of sanctioned with sanctioned no.: 03.09.2024 sanctioned no. ASTEC/S&T/1614/14/2023-24/2214

Proposed

- 1 Prof. Minakshi Gogoi (P.I.)
"Title is kept confidential by RDC-GCU"
Funding Agency: UNESCO (UN-NER)
Amount: Not mentioned
Duration: Not mentioned
Date of submission: May 2025
- 2 Prof. Minakshi Gogoi (P.I.)
"Title is kept confidential by RDC-GCU"
Funding Agency: IKS Samvardhini
Amount: Not mentioned
Duration: Not mentioned
Date of submission: May 2025

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

1. **Minakshi Gogoi.** "Digital Technology and Addiction". International conference on Addiction Among Youths organized by Department of Psychology, Gauhati University in association with Department of Disabilities Studies, GU, Cotton University, AIIMS, GUPAA, Assam. Dated: 30.01.2025 – 31.01.2025. **(Resource person cum Chairperson)**
2. **Minakshi Gogoi.** "Short Term Programme on MOOCs for Higher Education and Lifelong learning" organized by Department of CSE, GCU, Guwahati, Assam. Dated: 15.05.2025 – 22.05.2025. **(Resource person)**
3. Mayuri Sarmah Mazinder, **Minakshi Gogoi**, Munindra Baruah, Imliwati Longkumer. "An Investigation of AI-Assisted Strategies for Accurate Detection of Oral Cancer in Assam." 5th International Conference on Intelligent Systems and Machine Learning (ICISML-2025). Organized by NIT



Publication information for the academic session January-June 2025

Meghalaya, India. Dated: 09.05.2025 – 10.05.2025. **(Oral presentation)**

4. Mayuri Sarmah Mazinder, **Minakshi Gogoi**, Munindra Baruah, Imliwati Longkumer Performance. "Evaluation of SVM, CNN, VGG-16, and VGG-19 for Image –Based Oral Cancer Diagnosis". 2nd International Conference on Data-Driven AI (ICDDA-2025). Organized by Assam Kaziranga University, Assam. Dated: 07.05.2025–09.05.2025. **(Oral presentation)**
5. **Minakshi Gogoi, Shrabani Medhi**. PM2.5 Prediction using Deterministic Machine Learning Models. 2nd International Conference on Data-Driven AI (ICDDA-2025). Organized by Assam Kaziranga University, Assam. Dated: 07.05.2025–09.05.2025. **(Oral presentation)**
6. **Shrabani Medhi, Dhariti Sarkar**. "Predicting PM2.5 Levels in Guwahati, India Using Conditional Generative Adversarial Networks". International Conference on Computer Science, Industrial Electronics (ICCSIE). Organized by IEEE, Bangalore, India. Dated: 06. 04.2025. **(Oral presentation)**
7. **Dhariti Sarkar**. Bridging the Gap: Assamese Sentiment Analysis for Low-Resource NLP. 2nd International Conference on Data-Driven AI (ICDDA-2025). Organized by Assam Kaziranga University, Assam. Dated: 07.05.2025–09.05.2025. **(Oral presentation)**
8. **Subungshri Basumatary**, Nasik Ahmed, RohitSingha, Anurag Bhuyan. A diabetes prediction model using various Machine Learning approach. 2nd International Conference on Data-DrivenAI (ICDDA-2025). Organized by Assam Kaziranga University, Assam. Dated: 07.05.2025–09.05.2025. **(Oral presentation)**
9. **Gargee Chakavarty**, Mousum Handique. 2nd International Conference on Data-Driven AI (ICDDA-2025). Organized by Assam Kaziranga University, Assam. Dated: 07.05.2025–09.05.2025. **(Oral presentation)**

Information on 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. **Manjula Kalita** attended **5 days online FDP** on "Computer Vision Applications using Open CV" organized by Computer Science and Engineering Department at NITTTR, Chandigarh from 26th-30th May, 2025.
2. **Ritushree Dutta** attended **6 days online FDP** on "Advanced Techniques in AI and ML Learning" organized by AICTE Training and Learning Academy at College of Engineering Cherthala from 6th – 11th January, 2025.
3. **Ritushree Dutta**, completed **8 weeks Certificate Course** on "Research Methodology" organized by NPTEL-AICTE from Jan-March 2025.
4. **Mala Ahmed**, attended **6 days online FDP** on "Advanced Techniques in AI and ML Learning" organized by AICTE Training and Learning Academy at College of Engineering Cherthala from 6th – 11th January, 2025.
5. **Dharitri Sarkar**, attended **12 weeks online FDP** on "Artificial Intelligence: Knowledge Representation and Reason" organized by NPTEL-AICTE from Jan-April 2025.
6. **Dharitri Sarkar**, completed **1 month Certificate Course** on "Indian Knowledge System" organized by organized by the Centre for Indian Knowledge System, Handique Girls' College in collaboration with IQAC from 2nd- 28th April, 2025.
7. **Gitanjali Devi**, completed **1 month Certificate Course** on "Indian Knowledge System" organized by organized by the Centre for Indian Knowledge System, Handique Girls' College in collaboration with IQAC from 2nd- 28th April, 2025.
8. **Gargee Chakavarty** attended **7 days online FDP** on "Innovative Teaching and Learning Pedagogy"



Publication information for the academic session January-June 2025

organized by Research Foundation of India from 15th -21th April, 2025.

9. **Subungshri Basumatary** attended **10 days online FDP** on “Blockchain Technology and Applications” organized by EICT Academy PDPM IITDM Jabalpur from 13th-23rd May, 2025.
10. **Subungshri Basumatary** attended **7 days online FDP** on “Malware Analysis with Data Science” organized by Electronics & ICT Academy at NIT Patna from 12th-18th May, 2025.

Any other R&D information on the achievements of the respective Department (inclusive of achievements/awards/recognition received by UG/PG/Ph.D scholars at conference, convention or university level R&D competition etc.)

1. **Rohit Singha, Nasik Ahmed, Anurag Bhuyan** (B.Tech 4thYear, CSE), Achieved Best Online Presenter Award-2025 at the 2nd International Conference on Data-Driven AI (ICDDA-2025). Organized by Assam Kaziranga University, Assam. Dated: 07.05.2025–09.05.2025. Mentor/Supervisor: **Dr. Subungshri Basumatary**
2. **Mayuri Sarmah Mazinder** (Research Scholar). “Achieved Best Online Presenter Award-2025 at the 2nd International Conference on Data-Driven AI (ICDDA-2025). Organized by Assam Kaziranga University, Assam. Dated: 07.05.2025–09.05.2025. Mentor/Supervisor: **Prof. Minakshi Gogoi**

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

Publication information

List of Publication in Journal proceedings

1. **Kaushik S.** Comparative Study of Vertically Irregular RC Shear Wall Building Frames. In: Goel, M.D., Gupta, L.M., Jaiswal, O.R. (eds) Recent Developments in Structural Engineering, Volume 3. SEC 2023. Lecture Notes in Civil Engineering, 2025, vol 548, pp. 291-300. Springer, Singapore. ISBN: 978-981-97-9884-1, Online ISBN: 978-981-97-9885-8. https://doi.org/10.1007/978-981-97-9885-8_28 (Date of publication- **23/03/2025** | Publisher: Springer).
2. **Gautom M,** Chetia N, Hussain B. Finite Element Modelling of Shivsagar ‘Shiva Dol’. In: Goel, M.D., Gupta, L.M., Jaiswal, O.R. (eds) Recent Developments in Structural Engineering, Volume 3. SEC 2023. Lecture Notes in Civil Engineering, 2025, vol 548, pp. 355–369. Springer, Singapore. Prinyt ISBN: 978-981-97-9884-1, Online ISBN: 978-981-97-9885-8 https://doi.org/10.1007/978-981-97-9885-8_34 (Date of publication- **23/03/2025** | Publisher: Springer).

Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others

Proposed

1. Dr. Snehal Kaushik (PI, GCU)
“**Title is kept confidential by RDC-GCU**”
Funding agency: ANRF, ARG.
Amount proposed: Rs. 37,66,440
Duration: 3 years
Date of Submission: 27/06/2025
2. Dr. Snehal Kaushik (PI, GCU)
“**Title is kept confidential by RDC-GCU**”
Funding agency: CSR, NRL.
Amount proposed: Not mentioned
Duration: 3 years



Publication information for the academic session January-June 2025

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

1. Srinivasan DV, Borah P, **Ravi SPR**. Arsenic Contamination in Water and Diabetes risk: A Pilot Study in a Selected Area of Assam, BA2025-1399, Poster presented, International Diabetes Foundation (IDF) Event: IDF World Diabetes Congress 2025, BITEC, Bangkok, Thailand, April 7-10, 2025
2. Choudhury K, Das S, Kalita DK, Gayan A, **Das PJ**. Development And Performance Evaluation Of Fly Ash Bricks Using Locally Available Fly Ash, *International Conference on Advances in Composites and Materials (ACM-2025)*, May 2025 (Online)
3. Gayan A, **Das PJ**. Analytical Investigation On Water Quality Parameters Of Different Locations Near An Industrial Area. In proceedings of First International Conference on Advances in Water Resources (AWARE-2025), June 2025.

School	School of Engineering & Technology
Department	Electronics and Communication Engineering (ECE)

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

List of Publication in Conference proceedings

1. **Basab Das**. Performance Assessment of MoS₂ Based Non uniform Tunnel Field Effect Transistors for Low-Power Application, 5th International Conference on Micro/ Nanoelectronics Devices. Organized by NIT Silchar, Assam . Dated
2. **Basab Das**. MoS₂ based NC-TMDTFET for Drain Voltage and Temperature Variability Analysis, IEEE GCON 2025. Organized by NERIST, Arunachal Pradesh. Dated: 18-20 June 2025 (**Oral Presentation**)
3. **Basab Das**. Dual Gate Asymmetric MoS₂ TFETs : Design, Simulation and Performance Evaluation, IEEE GCON 2025. Organized by NERIST, Arunachal Pradesh. Dated: 18-20 June 2025 (**Oral Presentation**)
4. **Abhinandan Kalita**. AGRO Automatic Weather Station, 2nd International Conference on Data Driven AI (ICDDA 2025). Organized by Assam Kaziranga University, Dated: 07-09 May 2025

List of publication in Patents

1. Malvika, Jagritee Telukdar, Prabhat Singh, Ashutosh Srivastava, Gaurav Kumar Pandey, **Basab Das** inventors; Radio Frequency Rectenna. Govt. of India Patent Design No. 445854-001 submitted on 28/01/2025 and issued on 30/4/2025.
2. Rahul Nemichand Nawkhare, **Abhinandan Kalita**, Suganthi N, Tapan Kumar Das, Sumit singha, Sujoy Kumar Basu, Pramod Kumar Saket, Jeba Paulin M, Prof. Harikumar Pallathadka, Dr. Mohan S, inventors: Diabetes Patient Monitoring System using Lightweight DL Model for Risk Assessment. Granted and Registered under Design No. 202541050086 A issued on 30/5/2025

School	School of Engineering & Technology
Department	Computer Applications (CA)

Publication information

List of Publication in Journals

Research Articles

1. **Ain A***, Gogoi M, Chutia D. A new spectral index for vegetation extraction using satellite data. Journal of Applied and Natural Science; 2025;17(1):205-217.
<https://doi.org/10.31018/jans.v17i1.6186>
 (Date of publication- **20/03/2025** | Publisher: ANS Foundation | **Impact Factor-0.25** | Indexed in Scopus).



Publication information for the academic session January-June 2025

School	School of Natural Sciences
Department	Department of Physics

Publication information
List of Publication in Journals Research article 1. Jayswal A, Devi K, Deka A , Satapathy SS, Singh D, Deka B, Deka RC, Ray SK. An Easy and Time-Effective Mind-Body Technique for Relaxation and Rejuvenation. Science and Culture. 2025; 91(5-6): 341-347.
List of Publication in chapter in a Book 1. Ajanta Deka , Anurag Jayswal, Suvendra Kumar Ray and Ramesh Ch. Deka. Chapter 11- Revisiting Water Drinking Practices: Insights from Ancient Wisdom and Modern Perspectives. in Converging Insights In Yoga and Wellbeing, Centre for Yoga and Sports Science, Tezpur University, 2025, pp. 144-148. ISBN: 978-81-986430-7-0. (Date of Publication: June, 2025).
List of Book Publications 1. Amar Saikia . Introduction to Classical Mechanics: Special Relativity & Fluid Mechanics. 2025. Kalyani Publishers. ISBN: 978-93-6440-509-6.

Information on Research paper presented (Invited Speaker/Oral/Poster) at State, Regional, National and International level Conference (Online/Offline/hybrid mode)
1. Lipi Goswami . 'Challenges regarding the flexible curriculum of NEP-2020', National Conference on Assurance of Quality in Academics & Research , ACS-2025, organized by the Internal Quality Assurance Cell, North- Eastern Hill University, Shillong held on March 12-13, 2025 (Oral Presentation)

School	School of Natural Sciences
Department	Department of Chemistry

Publication information
List of Publication in Journals Research articles 1. Das P, Devi N* . Alkyd resins from <i>Argemone mexicana</i> seed oil: Synthesis and characterization for use in anticorrosive coating applications. International Journal of Polymer Analysis and Characterization. 2025;30(7):815-833. https://doi.org/10.1080/1023666X.2025.2504559 (Date of publication- 21/05/2025 Publisher: Taylor & Francis Impact Factor- 1.6 Indexed in SCIE, Scopus, Web of Science).



Publication information for the academic session January-June 2025

Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others

Ongoing

1. Dr. Nirmala Devi (PI, GCU)
"Title is kept confidential by RDC-GCU"
Funding agency: Assam Science Technology & Environment Council, Govt. of Assam (ASTEC)
Amount proposed: Rs. 1,00,000/-
Duration: 2 years
Date of Sanctioned: 19/10/2023 (Sanctioned order: ASTEC/S&T/1614/14/2021-22/3071)

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

1. **Nirmala Devi.** Tuning the synthesis and properties of CuO nanoparticle co-catalysed alkyd resins based on non-edible plant seed oils. 8th International Conference on Nanoscience and Nanotechnology (ICONN-2025), SRMIST, Kattankulathur, Chennai, India. Dated 24.03.2025-26.03.2025 (**Poster Presentation**).
2. **Nirmala Devi.** Accelerating Equity in Science. IUPAC-GWB event organized by the Department of Chemistry, Nalbari College, Assam, India in association with Centre for cultivation of Science (CCS) on 11.02.2025 (**Invited Resource Person**).
3. **Nirmala Devi.** Common Sustainable Future vis-a-vis Green Chemistry for Citizens and Teachers. Guru-Dakshta Faculty Induction Prog (FIP-11) during 5th Feb to 7th March, 2025 in Online-Mode organized by the UGC-MMTCC, Gauhati University. Delivered lecture on 5.03.2025 (**Invited Resource Person**).
4. **Nirmala Devi.** Active learning and teaching in the 21st century-Moral, Motivation and Dilemmas. UGC Sponsored *Refresher Course on Contemporary Knowledge & Issues in Social Sciences* conducted by the UGC-MMTCC, Gauhati University in Online mode during the period from 28/01/2025 to 13/02/2025. Delivered lecture on 4.02.2025 (**Invited Resource Person**).

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

1. Dr. Nirmala Devi. Achieved SRM-ICONN Best Poster Presentation Award at the 8th International Conference on Nanoscience and Nanotechnology (ICONN-2025) held at SRMIST, Kattankulathur, Chennai, India during March 24th -26th, 2025.

Any other R&D information on the achievements of the respective Department (inclusive of achievements/awards/recognition received by UG/PG/Ph.D scholars at conference, convention or university level R&D competition etc.)

1. **Ms. Y. Alotoli Achumi (Ph.D. Scholar)** under the supervision of Dr. Nirmala Devi, awarded fellowship by the Ministry of Tribal Affairs, Government of India, under the scheme of 'National Fellowship and Scholarship for Higher Education of ST Students' 2024-2025 to pursue Ph.D. degree in the Department of Chemistry, GCU, Assam. Date of Award: 19.03.2025.



Publication information for the academic session January-June 2025

School	School of Natural Sciences
Department	Department of Zoology

Publication information

List of Publication in Journals

Research Articles

1. Kalita DM, **Bardoloi S**, Saharia S, Kalita S, Sharmin S, Swargiary D, Sutradhar T, Deka K. Identification and pathogenicity assessment of bacterial strain PI isolated from the gut of diseased Eri silkworm, Samia ricini Donovan. Journal of Applied Biology & Biotechnology. 2025; 13(4):110-116. <https://www.jabonline.in>. <https://doi.org/10.7324/JABB.2025.213907>
(Date of publication- 25/05/2025 | Impact Factor- 0 | Indexed in Scopus).

Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others

Proposed

1. Prof. Sunayan Bardoloi (Principal Investigator)
'Title is kept confidential by RDC-GCU'
Funding Agency: Coffee Board of India
Amount proposed: Not mentioned

School	School of Natural Sciences
Department	Department of Mathematics

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

1. **Madhumita Mahanta**: MHD mixed convective flow of a viscoelastic fluid through a porous medium near an oscillating porous plate, organized by Department of Mathematics, Bharathiar University (Sponsored by ANRF), Coimbatore, Tamilnadu, India, 17-19 February 2025. **(Oral presentation)**.

Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others

Proposed

1. **Dr. Madhumita Mahanta** (Principal Investigator, GCU)
'Title is kept confidential by RDC-GCU'
Funding agency: ANRF, ARGM
Amount proposed: Not mentioned.
Duration: 3 years
Date of Submission: 03/07/2025
2. **Dr. Ankur Jyoti Kashyap** (Principal Investigator, GCU)
'Title is kept confidential by RDC-GCU'
Funding agency: ANRF, ARGM
Amount proposed: Not mentioned.
Duration: 3 years
Date of Submission: 08/07/2025



Publication information for the academic session January-June 2025

Any other R&D information on the achievements of the respective Department (inclusive of achievements/awards/recognition received by UG/PG/Ph.D scholars at conference, convention or university level R&D competition etc.)

1. **Madhumita Mahanta** received certificate of participation on the International SPARC Workshop on Computational and AI-Driven Multi-Physics Simulation in Porous Media (CAIMS-Poro-2025), organized by Defense Institute of Advanced Technology (DIAT) –Pune, in joint collaboration with Indian Institute of Technology-Kanpur, and University of California-USA & University of Michigan-Flint-USA. Dated: 16-20 June 2025.

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

Publication information

List of Publication in Journals

Research articles

1. Rai A, Bhatnagar G, Agarwal S, **Sarmah P**. Mentoring Engineering Students In a Multicultural Classroom, TANZ JOURNAL TANZ, 2025;20(6). <https://doi.org/10.61350/TJ5440324>
(Date of publication- **June 2025** | Publisher: Tanz Journal | Impact Factor-0 | Indexed in Scopus)
2. Rai A, Bhatnagar G, **Sarmah P**, Verma R. Analysis of Intercultural Proficiency in Speaking Skills among Final-Year Engineering Students of Private Technical Institutes in Delhi NCR. OEIL Research Journal. 2025;23(6):114-127. <https://doi.org/10.5281/zenodo.15748179>
(Date of publication- **June 2025** | Publisher: OEIL Journal | Impact Factor-0)

List of Publication as Book author

1. **Nilakshi Goswami** and Arunima Das. Identity, Politics, and Narratives of Belonging: Northeast India in Literature and Contemporary Discourses. Cambridge Scholars Publishing, United Kingdom. 2025. ISBN: 978-1-0364-4233-0. (Date of publication 11.06.2025)

List of Publication in a Book Chapter

1. **Boro J***. Unveiling the Unseen and Unheard: Peripheral Narratives from North East India. In N Goswami, Arunima (editors). Identity, Politics, and Narratives of Belonging: Northeast India in Literature and Contemporary Discourses. Cambridge Scholars Publishing; 2025. Pp. 18-31. ISBN: 978-1-0364-4233-0.
2. **Baruah B***. Contested Heterotopias: Bombay and Manto's stories of the Migrant Undercity. In SK Sagir A, Tanmoy K, Saikat S, Sanjoy S, editors. Migration, Identity and Resistance in the Postcolonial Nation-State. 1st ed. London: Routledge; 2025. pp. 111-122. ISBN: 978-1-003-53283-5 (ebk). <https://doi.org/10.4324/9781003532835>

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

1. **Priti Sarmah**. Enhancing Disciplinary Literacy Through Esp For Undergraduate Learners. International conference on Political. Economic and Cultural Pivots in the Past, Present and Future of Central, South and South – East Asia. Organized by Girijananda Chowdhury University, Assam. Dated: 22.01.2025 to 23.01.2025 (**Paper Presentation**).
2. **Bondita Baruah**. Precarious Shelters: Evolving Concepts amid Assam's Insurgency. Two Day National Seminar Assam after 1980: Politics, Identity and Development. Organized by the Tribal Studies Centre and Department of History, Assam University, Diphu Campus and sponsored by Indian Council of Social Science Research (ICSSR), New Delhi. Dated: 06.03.2025–07.03.2025 (**Invited speaker/ Oral**)



Publication information for the academic session January-June 2025

presentation).

Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others

Ongoing

1. Dr. Bondita Baruah (PI, GCU)
"Title is kept confidential by RDC-GCU"
Funding agency: GCU- SEED grant 2024-25.
Amount sanctioned: Rs. 30,000 /-
Duration: 1 year
Date of Sanctioned: 22/05/2025

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

1. **Dr. Nilakshi Goswami** received the Centennial Bursary Award for the 100th Annual Meeting of the Medieval Academy of America held at Harvard University. Dated 20.03.2025-22.03.2025
2. **Dr. Nilakshi Goswami** received Certificate of Presentation in the conference titled "In Between Metamorphese, Transformations, and Adaptations in Kafka" at the University of Cincinnati. Dated: 25.03.2025-26.03.2025
3. **Dr. Jupitara Boro** received Certificate of Participation in online Refresher Course on "Technology, Text and Transformation: Assamese Language and Literature in New Media" organized by Teaching Learning Centre, Tezpur University in association with Department of Assamese, TU. Dated: 20.03.2025-03.04.2025.
4. **Dr. Jupitara Boro** received Certificate of Participation in a One Day Workshop on 'The Fundamentals of Data Analytics and its Application in Economics' organized by The Department of Economics, Girijananda Chowdhury University, Assam. Dated: 29.03.2025.
5. **Dr. Jupitara Boro** received Certificate of Participation in NEP 2020 Orientation & Sensitization Programme (Online) organized by Sri Dev Suman Uttarakhand University, Campus, Gopeshwar, Chamoli, Uttarakhand in collaboration with UGC-MMTTC, Assam University, Silchar. Dated: 15.05.2025-24.05.2025.
6. **Dr. Jupitara Boro** received Certificate of Participation in Belief Narratives: A Post Structural Study organized by A.P.C Mahalaxmi College for Women, Thoothukudi, Tamil Nadu. Dated: 19.06.2025-25.06.2025.
7. **Dr. Bondita Baruah** received Certificate of Participation in online **National Short-Term Course** on "Tales of Balance: Gender and Ecology in Northeast Indian Folk Narratives" organized by Faculty of Arts, Humanities and Social Sciences, Gokul Global University (Accredited with NAAC A grade) in collaboration with Nucleus of Learning and Development. Dated: 08.05.2025-14.05.2025.
8. **Dr. Bondita Baruah** received Certificate of Appreciation for presenting a **Plenary Lecture** on "Precarious Shelters: Evolving Concepts amid Assam's Insurgency" at the two Day National Seminar Assam After 1980: Politics, Identity and Development, organised by the Tribal Studies Centre and Department of History, Assam University, Diphu Campus and sponsored by Indian Council of Social Science Research (ICSSR), New Delhi. Dated: 06.03.2025-07.03.2025.
9. **Dr. Bondita Baruah** received Certificate of Appreciation for **Chairing a Session** in the National Seminar Assam After 1980: Politics, Identity and Development, organised by the Tribal Studies Centre and Department of History, Assam University, Diphu Campus and sponsored by Indian Council of Social Science Research (ICSSR), New Delhi. Dated: 06.03.2025-07.03.2025
10. **Dr. Bondita Baruah** received Certificate of Participation as a **Co-Convenor** in the International Conference on Political, Economic and Cultural Pivots in the Past, Present and Future of Central, South and South-East Asia on the 21st and 22nd of January, 2025, organized by the School of Humanities and Social Sciences, Girijananda Chowdhury University, Assam in collaboration with the Centre for South Asian Studies, Russian State University for the Humanities, Moscow, Russia,



Publication information for the academic session January-June 2025

Institute of Oriental Studies of the Russian Academy of Sciences, Moscow, Russia, Primakov Institute of World Economy and International Relations, Russian Academy of Sciences, Moscow, Russia, Kut University College, Iraq.

11. **Manashi Devi** received Certificate of participation in an FDP “Innovative Teaching and Learning Pedagogy” organized by Research Foundation of India and RFI-CARE. Dated: 23.07.2025-27.07.2025

School	School of Humanities & Social Sciences
Department	Department of Economics

Publication information

List of Publication as author in a Book

1. **Bhuyan S***. Sustainable Development Goals, Health & Education Practices and Challenges. 1st ed, Professional Prints publishers, New York, USA, June 2025, ISBN : 978-1966695-20-2
<https://bookwire.bowker.com/book/USA/sustainable-development-goals-health-andeducation-97819666>

List of Publication in a Book Chapter

1. **Borah D***. Contribution of Tourism sector in the Economic Growth of Meghalaya. In: Biplab Tripathy, Neha Boruah, Rakesh Kalita, Subhechya Raha. Tourism in North East India: Perspective and Challenges. 1st ed. Evincepub Publishing (India). June 2025. ISBN 978-9363557659

Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others

Proposed

1. **Dr. Ummey Rummana Barlaskar (PI, GCU),**
“Title is kept confidential by RDC-GCU”
 Funding agency: ICSSR.
 Amount sanctioned: Rs. 20,00,000 /-
 Duration: 1 year
 Date of application: 22/05/2025
2. **Dr. Sampurna Bhuyan (PI, GCU), Dr. Dipanjali Haloi (Co-PI, Pandu College), Daisy Bhattacharjee (Co-PI, PDUAM Eraligool, Sribhumi)**
“Title is kept confidential by RDC-GCU”
 Funding agency: ICSSR.
 Amount sanctioned: Rs. 23,92,000 /-
 Duration: 1 year
 Date of application: 22/05/2025
3. **Dr. Sampurna Bhuyan (PI, GCU)**
“Title is kept confidential by RDC-GCU”
 Funding agency: NRL, Assam.
 Amount sanctioned: Rs. 15,26,000 /-
 Duration: 1 year
 Date of application: 22/07/2025



Publication information for the academic session January-June 2025

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

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

1. **Prof. Shantanu Chakravarty.** Constitution of India: Defender of Democracy. One day Seminar to celebrate 75 Year of Constitution, Samvidhan Ka Amrit Mahotsav. Organised by Discipline of Political Science, SKBSSS, Krishna Kanta Handique State Open University, Assam. Dated: 29.05.2025. (**Keynote Speaker**).
2. **Prof. Shantanu Chakravarty.** Pahalgam Attack: Tracing the Tremors Across South Asia's Security Landscapes. Organised by Madhabdev University, Narayanpur, North Lakhimpur, Assam. Dated: 18.06.2025. (**Invited Speaker**).

School	School of Humanities & Social Sciences
Department	Department of Psychology

Publication information

List of Publication in a Book Chapter

1. **Sarmah P.** Navigating Disruption: Women and the Challenge of Job Displacement in a changing world. In: Artificial Intelligence (AI): Opportunities and Challenges. Vol- III. Sunbeam: 2024. ISBN number: 978-93-48856-20-3

Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others

Ongoing

1. Dr. Rachel Kabi (PI), Dr. Palakshi Sarmah (Co-PI), Kritanjali Jaiswal (Co-PI)
"Title is kept confidential by RDC-GCU"
Funding agency: Nagaon District Administration, Govt. of Assam.
Amount sanctioned: Rs. 1,98,875/-
Duration: 3 months
Date of Sanctioned: 20.02.2025
2. Dr. Rachel Kabi (PI), Dr. Palakshi Sarmah (Co-PI)
"Title is kept confidential by RDC-GCU"
Funding agency: ICSSR.
Amount sanctioned: Rs. 10,00,000/-
Duration: 1 year
Date of Sanctioned: 19.03.2025

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

1. **Dr. Palakshi Sarmah.** Yoga in Addiction Prevention. Two-day International conference on Addiction among Youths: Issues, Challenges, Management & Prevention (ICSSR sponsored). Organized by department of Psychology, Gauhati University, Assam. Dated: 30.01.2025-31.01.2025 (**Oral presentation/Online**)
2. **Dr. Palakshi Sarmah.** Happiness: Assessment, Predictors and Interventions. 34th Annual Convention National Academy of Psychology, Organized by Department of Psychology, Christ University, Ghaziabad campus. Dated: 18.02.2025-20.02.2025 (**Nominated for an Award/Paper presentation**)
3. **Dr. Palakshi Sarmah.** The Pursuit of Happiness in Later Life. Empowering the Elderly in Tribal & Developing Societies: Challenges, Opportunities and the Way Forward, Organized by Rajiv Gandhi University and Ane's Home, Doimukh, Dated: 16.04.2025-17.04.2025 (**Invited as a Resource Person**)



Publication information for the academic session January-June 2025

School	School of Humanities & Social Sciences
Department	Department of Education

Publication information

List of Publication in a Journal

Research article

1. Nongkynrih MY, **Chhetri B.** Alignment of SocialEmotional Well-being Programs with NEP 2020: A Case Study of Secondary Schools. Research Review Journal of Social Science. 2025;5(1): 158-167. <https://doi.org/10.31305/rrjss.2025.v05.n01.021>

(Date of publication- **June 2025** | Publisher: RRJSS | Impact Factor-0)

List of Publication in a Book Chapter

1. Rohan Basu, Puja Sen, Barsha Chhetri. Wretched of the Earth or Modern Slaves- The case of Assam's Tea Garden. Ashok Publications 2025, pp. 204-212. ISBN: 9789360781125

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

Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others

Ongoing

1. Dr. Rachel Kabi (PI), Dr. Palakshi Sarmah (Co-PI), Kritanjali Jaiswal (Co-PI)

"Title is kept confidential by RDC-GCU"

Funding agency: Nagaon District Administration, Govt. of Assam.

Amount sanctioned: Rs. 1,98,875/-

Duration: 3 months

Date of Sanctioned: 20.02.2025

2. Dr. Rachel Kabi (PI), Dr. Palakshi Sarmah (Co-PI)

"Title is kept confidential by RDC-GCU"

Funding agency: ICSSR.

Amount sanctioned: Rs. 10,00,000/-

Duration: 1 year

Date of Sanctioned: 19.03.2025

School	School of Humanities & Social Sciences
Department	Department of History

Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others

Proposed

1. Principal Investigator : Dr. Anisha Bordoloi

Title is kept confidential by RDC-GCU"

Funding agency: Not mentioned.

Amount proposed : 4,00,000/-

Duration : 2 years

Submitted on: 5 May 2025



Publication information for the academic session January-June 2025

School	Centre for Legal Studies
Department	Department of Law

Publication information

List of Publication in a Book Chapters

1. **Das NM.** Impact of Artificial Intelligence on Society. In: Malik AFM, Das C (Eds.). Artificial Intelligence (AI) and Human Rights. March 2025, pp. 221-232 Sunbeam Publisher, Guwahati, Assam, ISBN: 978-93-48856-94-4.
2. **Das NM.** An Overview on the Legal Framework on Sexual and Reproduction Right of Women in India. In: Khatun N. (Eds). Noesis: 2025, pp. 15-26 ISBN Number: 978-93-341-3230-4.
3. **Das NM.** Cyber Crimes against Children: Evaluating the Effectiveness of India's Legal Framework and Governmental Initiatives. In: Malik AFM, *et.al.* editors. Literary Landscape of Society: A Cross-Disciplinary Discourse, June 2025.
4. **Ronghangpi M.** Cyber Crimes Against Children: Evaluating the Effectiveness of India's Legal Framework and Governmental Initiatives. In: Malik AFM, *et.al.* editors. Literary Landscape of Society: A Cross-Disciplinary Discourse, June 2025.

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

1. **Das NM.** Legal Framework of Artificial Intelligence (AI) in India, ICSSR National Seminar on "Artificial Intelligence: Opportunities and Challenges" Organized by Digboi Mahila Mahavidyalaya, Digboi, Assam. Dated: 29th and 30th March, 2025. **(Oral Presentation).**

Information on 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. **Dr. Niju Moni Das** participated a 7-days Faculty Development Programme on Empowering Innovation: Advancing Knowledge and Practices in intellectual Property Rights organized by Department of Law, Central University of Karnataka, January 27- February 2, 2025.
2. **Mrs. Madhusmita Ronghangpi** participated a 7-days Faculty Development Programme on Empowering Innovation: Advancing Knowledge and Practices in intellectual Property Rights organized by Department of Law, Central University of Karnataka, January 27- February 2, 2025.

School	School of Management and Commerce
Department	Department of Commerce

Publication information

List of Publication in a Book Chapter

1. **Khaund M, Aziz S.** Identifying Major problems in Sports Entrepreneurship: A Comprehensive Study in Guwahati City at Assam. In: Debnath P, Dey BK (Editors). Business economy in India, Current Scenario and Future Prospects. 1st ed. Bharti Publications, 2025. pp. 260-281. ISBN 978-93-48059-87-1.
2. **Khaund M, Aziz S.** A Conceptual Review on the Sustainable Development Practices with Reference to Sualkuchi Silk Industry of Assam. In: Bhuyan S editors. Sustainable Development Goals, Health and Education, Practices and Challenges. 1st ed. Professional prints; 2025. P. 163-179. ISBN number 978-1-966695-20-2.



Publication information for the academic session January-June 2025

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

1. **Khaund M**, Aziz S. Identifying Major Problems in Sports Entrepreneurship: A Comprehensive Study in Guwahati City at Assam. International Conference on Research Innovations & Challenges (ICRIC), created & powered by Centre for Research and Training (CRT), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India. Dated 30-01-2025- 1-02-2025. **(oral presentation)**
2. **Khaund M**, Haloi R. Consumer Awareness and Adoption of Financial Technology FINTECH: A Study Based in Guwahati City of Assam. National Seminar on Insurance for all by 2047: Policy Innovations and Digital Transformation, organized by Assam Down Town University. Dated 25-03-2025. **(oral presentation)**
3. **Khaund M**, Aziz S. A Study on the Role of AI Recommendations in Influencing Online Shopping Behaviour. National Conference on Artificial Intelligence as an Intervention Across Disciplines: Prospects, Issues/ Challenges and Strategies. (A Viksit Bharat and Vibrant Assam Initiative) organised by Department of Computer Science, Department of Management, Department of Microelectronics and Semiconductor, IIC Birangana Sati Sadhani Rajyik Vishwavidyalaya, Assam in association with Research Forum India, New Delhi. Dated 16-5-2025 – 17-5-2025. **(Oral presentation)**.
4. **Banik GG**. Blending Ind As, Brsr, And Esg for Comprehensive Financial Reporting. The Institute of Cost Accountants of India. 62nd National Cost and Management Accountants' Convention (NCMAC), 2025; pp. 71-75.

School	School of Management and Commerce
Department	Department of Business Administration

Publication information

List of Publication in a Journals

Research articles

1. Baruah A, **Sarma A**. Analysing impulse buying behaviour among Gen Z in online shopping: Evidence from Kamrup Metro, Assam. International Journal of Scientific Research in Engineering & Management. 2025; 9(3):1-8.
(Date of publication: **March 2025** | Publisher: | Impact Factor – 0).
2. Baruah A, **Sarma A**. Mapping Gen Z's online shopping and e-commerce expectations: Regional insights from Kamrup Metro, Assam. International Journal for Multidisciplinary Research. 2025;7(3):1-9. (Date of publication: **June 2025** | Publisher: IJFMR | Impact Factor–0 | Indexed in Index copernicus).

List of Publication in a Conference Proceedings

1. **Ahmed F**, Shaw T. The effect of financial inclusion on the economic growth of Assam. In Vision for Vikshit Bharat @ 2047: Opportunity and challenges. 2025, June, pp. 49–66). Red'shine Publication Private Ltd. ISBN 978-93-5879-501-1.



List of Publication as Book Chapter

1. Sarma A, **Sarma A**, Sharan S. Integrating Traditional Values in Modern Education System: The Role of Educators in implementing Sustainable Development through NEP 2020. In: Sampurna Bhuyan (Eds). *Sustainable Development Goals, Health & Education- Practices and Challenges*. Professional Prints publishers, New York, USA. ISBN: 9781966695202 (Date of publication: April 2025).
2. **Ahmed F**. The evolving landscape of health insurance: Forecasts and emerging patterns. In *Sustainable development goals, health & education: Practices & challenges* (pp. 51-60). Professional Prints, India. ISBN 978-93-58874-50-1. (Date of publication: April, 2025).
3. **Ahmed F**. Consumer insights on energy drinks: A study of Coca-Cola and its market rivals. In *Emerging dimensions of business, economics, media and financial services in the 21st century*. 2025, pp. 263–275. Bharti Publications, India. ISBN 978-93-48059-52-9.
4. **Ahmed F**, Shaker S. Empowering entrepreneurs: The financial foundation of growth and innovation. In *Multidisciplinary research and innovation*. 1st ed., pp. 161–174. MERIMAX International Publications. ISBN 978-81-986735-6-5. (Date of publication: April, 2025).

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

1. **Ahmed F**. *Fuelling innovation: The impact of entrepreneurial finance on firm growth and development*. International Research Conference on TIES International Conference 2025: Achieving Collaborative Future, Vivekanand Education Society Institute of Management Studies and Research (VESIM), Mumbai. (Dated: 27th February, 2025) **[Paper presentation]**
2. **Ahmed F**. *The industry academia interface: A study of the gaps, challenges and opportunities*. One Day National Seminar on Skill Development: A Pathway Towards Employability, Training and Employment Cell, Guru Nanak Khalsa College, Yamuna Nagar, Haryana. (Dated: 28th February, 2025). **[Paper presentation]**
3. **Ahmed F**. *Exploring the landscape of human rights in North East India: Issues and opportunities* [Paper presentation]. National Seminar on Bridging Gaps: Human Rights and Gender Empowerment in North East India, IQAC, R. G. Baruah College, Guwahati, in collaboration with SAARTHI. (Dated: 27–28, March, 2025)
4. **Ahmed F**, & Shaw, T. *The effect of financial inclusion on the economic growth of Assam* [Paper presentation]. ICSSR-sponsored two-day National Seminar on *Vision for Vikshit Bharat @ 2047: Opportunity and Challenges*, Department of Banking, CBK Commerce College, Jorhat. (Dated: 6-7, May, 2025).



Publication information for the academic session January-June 2025

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

Research Article	: 34
Review Article	: 21
Journal Proceedings	: 10
Book Chapter	: 34
Book Author	: 03
Patent	: 03
Total publication	: 105
Total Impact Factor	85.55

Scopus/SCI indexed Journals	: 49
Non-scopus indexed Journals	: 06

Summary count of research data presented (oral & poster)/invited speaker/resource person/others in State/National/International platforms.

Invited as a speaker/Resource Person	: 15
Paper presented at Conference/Symposiums	: 39
Total Count	: 54

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

Total Count	: 08
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Summary count of research data for UG/PG/Ph.D. students receiving Awards/Recognition/Commendation from State/National/International platforms

Total Count	: 04
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