



## Publication report for the academic session July-December 2025

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| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | School of Pharmaceutical Sciences (Guwahati Campus) |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Pharmaceutical Sciences                             |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                     |
| <b>List of Publication in Journals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                     |
| <b>Research Publications (Total Count: 08)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                     |
| <p>1. <b>Ghose S, Bhattacharya K, Baruah S, Singh NK, Kumar S, Prasad SK, Sahu BP, Laloo D*, Biswas N.</b> Bioactive catechins from <i>Potentilla fulgens</i> Wall. ex Sims roots ameliorate oral carcinogenesis through modulation of oxidative stress, inflammatory, and apoptotic pathways. <i>Journal of Ethnopharmacology</i>. 2025;353 (Part-B):120446. <a href="https://doi.org/10.1016/j.jep.2025.120446">https://doi.org/10.1016/j.jep.2025.120446</a><br/>(Date of publication- 19/08/2025   Publisher: Elsevier   Impact factor- 5.8   Indexed in Scopus &amp; SCIE).</p> |                                                     |
| <p>2. <b>Banu ZW, Patowary L, Laloo D, Goswami AK, Kushari S, Ahmed N, Sarma K, Kalita JM.</b> Antiproliferative potential of isolated phytoconstituents from fruit extract of <i>Trapa natans</i>. <i>Journal of Chemical Health Risks</i>. 2025; 15(5):1298–1308.<br/>(Date of publication: 20/09/2025   Publisher: Islamic Azad University   Impact factor- 0   Indexed: Scopus)</p>                                                                                                                                                                                              |                                                     |
| <p>3. <b>Thakuria PP, Kalita JM, Bharali A, Banu ZW, Kalita T, Laloo D*.</b> Investigating low molecular weight phenolics for inhibition of H<sup>+</sup>/K<sup>+</sup>-ATPase activity: Insights from in vivo and in silico approaches. <i>In Silico Research in Biomedicine</i>. 2025; 100122. <a href="https://doi.org/10.1016/j.insr.2025.100122">https://doi.org/10.1016/j.insr.2025.100122</a><br/>(Date of publication: 17/11/2025   Publisher: Elsevier   Impact factor- 0   Indexed: DOAJ).</p>                                                                             |                                                     |
| <p>4. <b>Das S, Das T, Saha D, Das SR, Chakraborty T, Chowdhury S, Chakraborty P, Kar K.</b> Neuroprotective effects of <i>T. trilobatum</i> against aluminium chloride-Induced neurotoxicity in rats: insights into oxidative and cholinergic alterations. <i>Neurophysiology</i>. 2025. <a href="https://doi.org/10.1007/s11062-025-09969-7">https://doi.org/10.1007/s11062-025-09969-7</a><br/>(Date of publication: 10/11/2025   Publisher: Springer   Impact factor: 0.6   Indexed in Scopus, SCIE)</p>                                                                         |                                                     |
| <p>5. <b>Devi JR, Das T, Kalita B, Sahariah BJ.</b> Design and optimization of chitosan microspheres loaded with green tea phytosomes for sustained release. <i>Journal of Applied Pharmaceutical Research</i>. 2025; 13(5):74-90.; <a href="https://doi.org/10.69857/joapr.v13i5.1188">https://doi.org/10.69857/joapr.v13i5.1188</a><br/>(Date of publication: 31/10/2025   Publisher: Journal of Applied Pharmaceutical Research   Impact factor: 0   Indexed in Scopus)</p>                                                                                                       |                                                     |
| <p>6. <b>Lahan M, Saikia T, Baishya R, Bharali A, Baruah S, Ghose S, Biswas N, Laloo D, Medhi S, Sahu BP.</b> Development of Dry Powder Inhaler formulation for site specific delivery of nanoconjugates loaded with Curcumin and BCL2 siRNA in Lung Cancer. <i>Pulmonary Pharmacology &amp; Therapeutics</i>. 2025;90:102361. <a href="https://doi.org/10.1016/j.pupt.2025.102361">https://doi.org/10.1016/j.pupt.2025.102361</a><br/>(Date of publication- 01/09/2025   Publisher: Elsevier   Impact factor- 2.8.   Indexed in Scopus and SCIE)</p>                                |                                                     |
| <p>7. <b>Bordoloi C, Bora NS, Laloo D.</b> Pharmacognostical, phytochemical, and in vitro bioassay studies of <i>Osbeckia stellata</i> Buch-ham. leaves. <i>Journal of Applied Pharmaceutical Research</i>. 2025;13:63-73. <a href="https://doi.org/10.69857/joapr.v13i4.1199">https://doi.org/10.69857/joapr.v13i4.1199</a></p>                                                                                                                                                                                                                                                     |                                                     |



(Date of publication- 31/08/2025 | Publisher: JAPR | Impact factor- 0. | Indexed in Scopus)

8. Lahan M, Sarma SK, **Saikia T**, Dutta K, Baishya R, **Bharali A**, 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: 03/05/2025 | Publisher: Islamic Azad University | Indexed in Scopus)

### Review Publications (Total Count: 11)

1. Goswami AK, **Sarma A**, Ahmed S, **Das BK**. Linalool in chronic diseases: A comprehensive review of its pharmacological potential and delivery aspects. *Fitoterapia*. 2025; 106754. <https://doi.org/10.1016/j.fitote.2025.106754>

(Date of publication- 20/07/2025 | Publisher: Elsevier | Impact factor- 2.6 | Indexed in Scopus).

2. Boruah M, **Sarma A**. Dry gels: Concept, current trends, and new avenues in drug delivery and biomedical application. *Advanced Healthcare Materials*. 2025; e00863. <https://doi.org/10.1002/adhm.202500863>

(Date of publication- 31/07/2025 | Publisher: Wiley | Impact factor- 9.6 | Indexed in Scopus, Web of Science.)

3. **Das A**, Ahmed AB, Banu ZW, Chakraborty T, Kalita JM. Tailoring Assam magic rice starch through oxidative modification for enhanced pharmaceutical applications. *Journal of Chemical Health Risks*. 2025;15(6):695–705.

(Date of publication: 11/11/2025 | Publisher: Journal of Chemical Health Risks | Indexed in Scopus)

4. **Nath J**, **Deka B**, Sahu BP. Role of Antioxidants in Diseases and its Impact on Mitochondria with A Focus on Diabetes: An Overview. *Current Drug Research Reviews*. 2025. <https://doi.org/10.2174/0125899775370658250713030329>.

(Date of publication: 23/07/2025 | Publisher: Bentham Science | Impact factor 0 | Indexed in Scopus)

5. Rynjah D, Sandhanam K, Bhattacharjee B, Deka B, Newar A, **Kalita T**, **Nath J**, Ahmed AB, Sahu RK, Das T. CRISPR/Cas9 gene editing systems for enhancing secondary metabolite biosynthesis via reproductive tissue modification. *Discover Plants*. 2025;2:245. <https://doi.org/10.1007/s44372-025-00334-w>.

(Date of publication: 10/08/2025 | Publisher: Springer Nature | Impact factor: 0)

6. Mehta P, **Saha D**, **Das T**, **Das BK**. Targeting the gut microbiome dynamics and treatment strategies in acute pancreatitis. *Pharmacology Research-Natural Products*. 2025; 8:100306. <https://doi.org/10.1016/j.prenap.2025.100306>

(Date of publication- 07/07/2025 | Publisher: Elsevier | Impact factor: 0 | Indexed in Scopus).

7. Halimi MM, Wu YS, Lee MF, Kumarasamy V, **Kalita T**, Mac Guad R, Saikia T, Rajendran K, Tan RW, Fuloria NK, Fuloria S. *Blastocystis* sp.: a hidden player in gut health and disease. *Progress In Microbes & Molecular Biology*. 2025; 8(1). <https://doi.org/10.36877/pmmb.a0000471>



(Date of publication- 11/09/2025 | Publisher: HH Publisher | Impact factor 0 | Indexed in Scopus)

8. **Das T, Das S, Das SR, Ghose S, Das A, Chowdhury S, Chakraborty P, Kar K, Sharma N.** Integrating multimodal biomarker strategies: A narrative review of molecular and characteristic imaging techniques for better monitoring of neurodegenerative diseases. *Neuromarkers*. 2025; 100131. <https://doi.org/10.1016/j.neumar.2025.100131>

(Date of publication: 06/11/2025 | Publisher: Elsevier | Impact factor: 0)

9. Mahanta S, Nath K, Boruah K, **Chakraborty T.** Dysbiosis and the Modern Lifestyle: Mechanisms, Health Impacts, and Microbiome Based Interventions. *Brain Behavior and Immunity Integrative*. 2026; 13: 100146. <https://doi.org/10.1016/j.bbii.2025.100146>

(Date of publication: 17/01/2026 | Publisher: Elsevier | Impact factor: 0 | Indexed in: Scopus)

10. **Saikia T, Das S, Saikia T, Das S.** A review of geomicrobial bioprospecting strategies for novel therapeutic discovery from Earth's extreme environments. *Discover Geoscience*, 2025; 3(1). <https://doi.org/10.1007/s44288-025-00338-9>

(Date of publication: 20/11/2025 | Publisher: Springer Nature | Indexed in: DOAJ)

11. Kumar R, Harilal S, Arora S, Mohanty S, Sheoran S, Sangwan J, Kanojiya D, Acharya A, **Saikla T.** Nanotechnology-enhanced phytomedicines: Innovations and applications in cancer therapy. *International Immunopharmacology*, 2025; 166: 115537. <https://doi.org/10.1016/j.intimp.2025.115537>

(Date of publication: 03/12/2025 | Publisher: Elsevier | Impact factor: 4.7 | Indexed in Scopus)

### **List of Publication in a Book Chapter (Total Count: 03)**

1. **Saikia T, Patowary L, Sadhu P, Laloo D.** Chapter 15: Integrating Probiotics, Postbiotics, and Nanotechnology for Enhanced Treatment Efficacy in Colorectal Cancer. In: Mishra N, Garg A, Ashique S. (eds). *Role of Gut Microbiota and Postbiotics for Colorectal Cancer. Cancer Drug Discovery and Development*. Humana, Cham. 2025, pp. 345-374, Springer Nature Publisher, ISBN No.: 978-3-031-86065-2. [https://doi.org/10.1007/978-3-031-86065-2\\_15](https://doi.org/10.1007/978-3-031-86065-2_15)
2. **Patowary L, Saikia T.** Chapter 18: The Role of GAD65 in Early Detection of Latent Autoimmune Diabetes in Adults (LADA). In: Grewal AS, Singh N, Verma S. (eds) *Receptor-Targeted Therapies in Diabetes Mellitus: From Pathophysiology to Innovative Treatments*. 2025, pp. 212-225. Nova science Publisher. ISBN: 979-8-89530-587-4.
3. Aryanfar Y, Wu Y, Alcaraz JLG, Vidal RPI, Osman AI, Manap ASA, Afzal S, **Saikia T, Chen Z, Lu K, Rooney DW, Yap P.** Chapter-27: 3-D models for studying microplastics effects on humans. In: Avino P, Fiore CD, Farris S (Eds). *Microplastics in Agriculture and Food Science: Methods for identification and remediation*. 2025, pp. 399-423. Academic Press Publisher, ISBN: 978-0-443-22210-8. <https://doi.org/10.1016/B978-0-443-22210-8.00027-4>.

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

- 1 **Damiki Laloo** presented an invited lecture to the Medical students of Mari State University, Yoskar-Ola, Russia on the topic 'Pharmacognosy and Drug Discovery'. Dated: 28.10.2025. (Invited Keynote Speaker).



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2. **Bhriku K Das** presented an invited lecture to the Medical students of Mari State University, Yoskar-Ola, Russia on the topic 'Pharmacognosy and Drug Discovery'. Dated: 28.10.2025. (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. **Asha Das** attended an 8-day online Training on NEP Orientation and sensitization programme under Malaviya Mission Teacher Programme (MMTP) of University Grant Commission (UGC), organised by Gauhati University from 3/12/2025 to 12/12/2025
2. **Bhargab Deka** attended and successfully completed the Faculty Development Programme (FDP) titled "NEP 2020 Orientation & Sensitization Programme" under the Malaviya Mission Teacher Training Programme (MMTTP) of UGC, organized by MMTTC, Gauhati University, from 03 December 2025 to 12 December 2025 and obtained Grade A.
3. **Nayana Adhikari** attended an 8-day online Training on NEP Orientation and sensitization programme under Malaviya Mission Teacher Programme (MMTP) of UGC, organized by Gauhati University, Date: 3/12/2025 to 12/12/2025
4. **Nayana Adhikari** attended the FDP on Immersive technologies and artificial intelligence in pharmacy education: building the future of learning. Organised by Bharat Pharmaceutical Technology, Agartala, Tripura. Date: 15<sup>th</sup> -19<sup>th</sup> September, 2025.
5. **Nayana Adhikari** attended a bootcamp on igniting ideas, empowering innovators at NIDHI PRAYAS centre, Guwahati Biotech Park. Date: 15<sup>th</sup>. October, 2025.
6. **Junmoni Nath** attended and successfully completed the Faculty Development Programme (FDP) titled "NEP 2020 Orientation & Sensitization Programme" under the Malaviya Mission Teacher Training Programme (MMTTP) of UGC, organized by MMTTC, Gauhati University, from 03 December 2025 to 12 December 2025 and obtained Grade A.
7. **Tutumoni Kalita** attended an 8-day online Training on NEP Orientation and sensitization programme under Malaviya Mission Teacher Programme (MMTP) of UGC, organized by Gauhati University from 3/12/2025 to 12/12/2025.
8. **Mrinmoy Deka** attended and successfully completed five days FDP on "NEP 2020 Orientation & Sensitization Programme" under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) Organized by MMTTC, Gauhati University from 03/12/2025 to 12/12/2025.

### Departmental count

|                               |             |                                               |           |
|-------------------------------|-------------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>08</b>   | <b>Extramural projects approved/ongoing</b>   | <b>00</b> |
| <b>Review articles:</b>       | <b>11</b>   | <b>Research paper presented</b>               | <b>02</b> |
| <b>Total impact factor:</b>   | <b>26.5</b> | <b>No of conference/FDP/workshop attended</b> | <b>08</b> |
| <b>Conference proceedings</b> | <b>00</b>   | <b>No of existing JRF/SRF</b>                 | <b>02</b> |
| <b>Book Chapters:</b>         | <b>03</b>   | <b>Awards &amp; Recognition</b>               | <b>00</b> |
| <b>Books / Edited Books</b>   | <b>00</b>   |                                               |           |
| <b>Patents</b>                | <b>00</b>   |                                               |           |



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| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | School of Pharmaceutical Sciences (Tezpur Campus) |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pharmaceutical Sciences                           |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                   |
| <b>List of Publication in Journals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                   |
| <b>Research publications (Total Count: 09)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                   |
| <p>1. <b>Bhaumik A, Sarmah D, Barman D</b>, Alugubelli GR, <b>Paul S, Shome P, Dey B, Lahon D, Saikia S</b>, Saha S, Paul S. Characterization of Phenolic and Flavonoid Constituents from <i>Citrus sinensis</i> Peels with Antimicrobial Potentials: An Integrated In Vitro and In Silico Approach. <i>Journal of Carcinogenesis</i>. 2025; 24 (4): 991-1012. <a href="https://doi.org/10.64149/J.Carcinog.24.4s.991-1012">https://doi.org/10.64149/J.Carcinog.24.4s.991-1012</a><br/>(Date of publication- 09/09/2025  <b>Publisher:</b> Wolters Kluwer Health   <b>Impact factor-</b> 2.77  <b>Indexed</b> in scopus).</p> <p>2. Gupta A, Arora PK, Deepha V, Kisan SS, Saha S, Krishna MM, Gupta PS, Akhtar W, <b>Bhaumik A</b>. Design Synthesis Characterization of Some Novel Chromane-Based Analogues and Their Antimicrobial Evaluation. <i>International Journal of Environmental Sciences</i>. 2025; 11:1-6 <a href="https://doi.org/10.64252/pqbv3792">https://doi.org/10.64252/pqbv3792</a><br/>(Date of publication- 04/08/2025   <b>Publisher:</b> Academic Science Publications and Distributions   <b>Impact factor-</b> 0   <b>Indexed</b> in Scopus).</p> <p>3. Paul S, <b>Bhaumik A</b>, Alugubelli GR, <b>Ali F</b>, Rongson Q, Gogoi P, Hazarika A, Sheikh Md Shahil Abedin S Md S, Baishya U, Gupta AK. Isolation, Characterization and Antimicrobial Assessment of Apple-Derived Polyphenols with Molecular Docking Insights. <i>Journal of Chemical Health Risks</i>. 2025; 15(5): 731-745.<br/>(Date of publication- 15/09/2025  <b>Publisher:</b> Islamic Azad University   <b>Impact factor-</b> 0   <b>Indexed</b> in Scopus).</p> <p>4. Kanwal H, Chinta S, <b>Bhaumik A</b>, Suryavanshi R, Aparanjitha R, Mahalaxmi D, <b>Sarmah A</b>, Devi P. A Novel Polar Organic UFLC Method for Chiral Separation and Quantification of Tofisopam Enantiomers in API and Formulations. <i>Jzu Natural Sciences</i>. 2025; 56(11):25-38 <a href="https://doi.org/10.5996/jzund.2025.v56i11.233470">https://doi.org/10.5996/jzund.2025.v56i11.233470</a><br/>(Date of publication- 4/11/2025   <b>Publisher:</b> Jzu Natural Sciences   <b>Impact factor-</b> 0   <b>Indexed</b> in SCOPUS).</p> <p>5. Alugubelli GR, <b>Bhaumik A</b>, Chinta S, Lahon D, Devi P, Goyari A, Boro A, Basumatary A, Boro H. Bioactive Potential of <i>Adhatoda vasica</i> Leaves: Comprehensive: Phytochemical Profiling and Dual Biological Evaluation with Computational Validation. <i>Journal of Basic Sciences</i>. 2025;25(9):392-422. <a href="https://doi.org/10.5281/zenodo.17193838">https://doi.org/10.5281/zenodo.17193838</a><br/>(Date of publication- 25/09/2025  <b>Publisher:</b> Basic Sciences Journal of Textile Universities   <b>Impact factor-</b> 0).</p> <p>6. Rajan RK, <b>Ali F</b>, Ahmed AB. Network pharmacology and in-silico approaches to elucidate the antimicrobial mechanism of <i>Aesculus assamica</i> Griff. for the treatment of skin infection. <i>In Silico Res in Biomed</i>. 2025;1:100043. <a href="https://doi.org/10.1016/j.ins.2025.100043">https://doi.org/10.1016/j.ins.2025.100043</a><br/>(Date of publication-30/07/2025   <b>Publisher:</b> Elsevier   <b>Impact Factor</b> 0).</p> <p>7. <b>Paul A</b>, Kumar M, Sharma D, Kirboğa KK, Rudrapal M, Chowdhury P, Chattopadhyay P, Zaman MK. Neuroprotective potential of Garcinia extracts against diabetic peripheral neuropathy: GC–MS profiling, network pharmacology, molecular docking, and in vitro studies. <i>3 Biotech</i>. 2025;15(12):440. <a href="https://doi.org/10.1007/s13205-025-04580-3">https://doi.org/10.1007/s13205-025-04580-3</a><br/>(Date of publication- 22/11/2025   <b>Publisher:</b> Springer Nature   <b>Impact factor-</b> 2.9   <b>Indexed</b> in SCIE, Scopus).</p> <p>8. <b>Bhattacharjee B</b>, Sandhanam K, Amin R, Dey N, Basumatary P, Kurmi D, Sahu RK, <b>Rynjah D, Newar A, Ahmed AB</b>. Computational validation of black rice Bran (<i>Oryza</i></p> |                                                   |

*sativa* L.) flavonoids as potential anti-diabetic phytochemicals via targeting alpha-amylase and alpha-glucosidase Inhibition. *Discov Chem.* 2025;13(1):279. <https://doi.org/10.1007/s44371-025-00365-y>

(Date of publication- 13/11/2025| Springer Nature | Impact factor- 0 | Indexed in DOAJ).

9. Kuppasamy S, **Bhattacharjee B**, Alagiri A, Mohan S, Sahu RK, Bhattacharjee A, et al. Quantification, antioxidant, in-silico molecular docking and anti-hepatocellular carcinoma activity of Sepia ink polysaccharides prepared from Sepia pharaonis. *Futur J Pharm Sci.* 2025;11(1):1-29

(Date of publication- 30/10/2025| Publisher: Springer Nature | Impact factor- 3.2 | Indexed in SCI, ESCI, Scopus, Web of Science).

## Review publications (Total Count: 10)

1. Sarmah D, Nirala A, Hazarika H. Heavy metal-induced neurotoxicity and endocrine disruption from e-waste: emerging health challenges and intervention strategies. *Toxicology and Environmental Health Sciences.* 2025; 17(4):481-98. <https://doi.org/10.1007/s13530-025-00268-6>

(Date of publication- 07/08/2025| Publisher: Springer Nature | Impact factor- 2.0 | Indexed in SCI, ESCI, Scopus, Web of Science).

2. Krishnatreyya H, **Hazarika H**. Controlled release approaches in ocular drug delivery. *Pharmacology Research-Reports.* 2025; 17 (5):599. <https://doi.org/10.1016/j.prerep.2025.100070>

(Date of publication- 31/07/2025 | Publisher: Elsevier | Impact factor- 0| Indexed in SCI, ESCI, Scopus, Web of Science).

3. Rajan RK, **Bhattacharjee B**, **Hazarika H**, Pegu P, Rynjah D, Engels M, Ahmed AB, Ramanathan M. Piceatannol: a multifaceted polyphenol-from pharmacological actions to formulation development and clinical trials. *Advances in Traditional Medicine.* 2025; 25(4):837-84. <https://doi.org/10.1007/s13596-025-00845-7>

(Date of publication- 04/08/2025| Publisher: Springer Nature | Impact factor- 1.3 | Indexed in SCI, ESCI, Scopus, Web of Science).

4. Vikram K, **Bhaumik A**, Kumar P, Lahon D. Clinical Utility of Serum Carcinoembryonic Antigen (CEA) in Cancer Detection and Management: A Research-Based Evaluation of Tumour Marker Dynamics. *Journal of Basic Sciences.* 2025; 25(9): 237-243. <https://doi.org/10.5281/zenodo.17120027>

(Date of publication-15/09/2025| Publisher: Basic Sciences Journal of Textile Universities | Impact factor- 0).

5. Gupta A, Karpagavalli L, Kumar M, Vinayakrao MA, Nath B, Dharmalingam S, Rani MR, Diwakar D, **Bhaumik A**. Polymeric Nanoparticles: Design and Assessment for Targeted Anticancer Agent Delivery to Tumor Cells. *Journal of Rare Cardiovascular Diseases.* 2025; 5(S3): 673-680.

(Date of publication- 24/10/2025| Publisher: SoftQ sp. z o.o.| Impact factor- 0 | Indexed in SCOPUS).

6. Vadodariya PK, **Alom S**, Sharma A, Kathuria D, Chopra N, Dhameliya TM. Recent Advancements and Developments of Anti-Malarial Agents Reported in 2023. *Archiv der Pharmazie.* 2025;358(12):e70149. <https://doi.org/10.1002/ardp.70149>

(Date of publication- 11/12/2025| Publisher: Wiley | Impact factor- 3.5 | Indexed in Scopus, SCIE).

7. Kalita P, **Bhattacharjee B**, Das BK, Sen S, Chakraborty R, **Ahmed AB**. Rice Bran as A

Nutrient-Dense Food in Gut Health and Beyond. *Rice Science*. 2025;32:1-24. <https://doi.org/10.1016/j.rsci.2025.10.005>

(Date of publication- 30/10/2025| Publisher: Elsevier | Impact factor- 6.1 | Indexed in SCI, ESCI, Scopus, Web of Science).

8. Rynjah D, Sandhanam K, Bhattacharjee B, Deka B, Newar A, Kalita T, et al. CRISPR/Cas9 gene editing systems for enhancing secondary metabolite biosynthesis via reproductive tissue modification. *Discover Plants*. 2025;10;2(1):245. <https://doi.org/10.1007/s44372-025-00334-w>

(Date of publication- 10/08/2025| Publisher: Springer Nature | Impact factor- 0 | Indexed in DOAJ).

9. Kalita P, Roy PK, Bhattacharjee B, Goswami A, Pachua L, Roy S. Alginate-based coating in post-harvest fruits preservation: A comprehensive review. *International Journal of Biological Macromolecules*. 2025;320:145799. <https://doi.org/10.1016/j.ijbiomac.2025.145799>

(Date of publication- 05/07/2025| Publisher: Elsevier | Impact factor- 8.5 | Indexed in SCI, ESCI, Scopus, Web of Science).

10. Kalita P, Bhattacharyya J, Dutta PP, Chakrabarti S, Ahmed AB, Pachua L. Valorization of polyphenolic compounds via encapsulation: a review. *Journal of Food Measurement and Characterization*. 2025 Nov 27:1-24. <https://doi.org/10.1007/s11694-025-03852-z>

(Date of publication- 27/11/2025| Publisher: Springer | Impact factor- 3.3 | Indexed in SCI, ESCI, Scopus, Web of Science)

## List of Publication in a Book Chapter (Total count: 08)

1. Alom S, Kakoti B, Khatonier R, Dasgupta A. Approaches to Identify and Repurpose Drugs for Neurodegenerative Diseases. In: MN Gupta, editor. *Drug Repurposing: Chemistry, Biochemistry & Red Biotechnology*. 1st ed. Boca Raton: CRC Press; 2025. P. 25-27. eBook ISBN number: 9781032725826. <https://doi.org/10.1201/9781032725826-2>
2. Bezbaruah R, Ali SR, Ali F, Islam A, Alom S, Chowdhury R, Chavda VP. Exosome and other Extracellular Vesicles for Neurodegenerative Diseases. In: Chavda VP, editor. *Clinical Potential of Exosomes: Diagnostic and Therapeutic Insights*. 1st ed. Apple Academic Press; 2025. p 347-382. ISBN number: 9781774919835 (ebook) ISBN number: 9781774919828 (hardcover)
3. Rynjah D, Bhattacharjee B, Sahu RK, Khan J, Chavda VP, Bezbaruah R. Ethnomedical Contributions Toward Neurodegenerative Diseases. In: Chavda VP, editor. *Neurodegeneration*. 1st ed. New York: Apple Academic Press; 2025. p. 287–332. <https://doi.org/10.1201/9781998511839-1>
4. Sandhanam K, Bhattacharjee B, Tamilarban T, Sahu RK, Folorunsho AA, Bezbaruah R. Approved Treatment Strategies for Neurodegenerative Diseases. In: *Neurodegeneration*. 1st ed. New York: Apple Academic Press; 2025. p. 153–201.
5. Chavda VP, Rynjah D, Ahmed N, Balar PC. Challenges and Future Prospects in the Diagnosis and Treatment of Neurodegenerative Diseases. In: Chavda VP, editor. *Neurodegeneration*. 2025. <https://doi.org/10.1201/9781998511839-13>
6. Balar P, Bhattacharjee B, Vaghela D, Vora L, Apostolopoulos V, Chavdas VP. Advances in Tuberculosis Control: Vaccines and Biomarkers. In: Chavda VP, editor. *Recent Advancements in Tuberculosis Drug Discovery*. 1st ed. New York: Apple Academic Press; 2025. p. 381–403.
7. Bhattacharjee B, Sandhanam K, Biswas S, Sahu RK, Khan J. Emerging Role of Flash Radiotherapy. In: Taghizadeh-Hesary F, Ashique S, Mishra N, Behnam B, editors. *From Radiobiology to Radiation Oncology [Internet]*. Cham: Springer Nature Switzerland; 2025.



## Publication report for the academic session July-December 2025

p. 267–86.

8. Sandhanam K, **Bhattacharjee B**, Sumithra M, Sahu RK, Khan J. Diagnostic Approaches for Colorectal Cancer: Gut Microbiota–Based Biomarkers for Colorectal Cancer Detection and Monitoring. In: Mishra N, Garg A, Ashique S, editors. Role of Gut Microbiota and Postbiotics for Colorectal Cancer [Internet]. Cham: Springer Nature Switzerland; 2025 [cited 2025 Dec 22]. p. 429–50. (Cancer Drug Discovery and Development).

### **List of Publication in Patent (Total count: 01)**

1. **Chowdhury R**, Islam R, Kumari P, Venkatalakshmi U, Evangelin P, Bhuyan B, Vishvakarma P, Sonu K, Rathode A, Mehta FF, Tamboli FA, Sweta K inventors; Automated Pharmacokinetic Simulation and Testing Unit. Indian Design Patent 464833-001. (Date of patent published: 08/10/2025).

### **List of Book Publication (Total count: 01)**

1. **Bhaumik A**, Kakkar S, Bhide MM, Gupta AK, Sachan K. A Textbook of Biochemistry (BP 203T). 1st ed, Shashwat Publication, Chattisgarh, India 2025: ISBN: 9789360879273, 978-93-6087-9.

### **Research paper presented (Invited speaker/Oral/Poster) at State, Regional, National and International level Conference**

1. **Dr. Asish Bhaumik** invited as a keynote speaker and delivered a presentation entitled “Design, Synthesis, and Biological Evaluation of Novel Benzimidazole–Schiff Base Pharmacophores as Potential Anticancer Agents” at SymbioSphere 2025, a two-day National Conference on “Recent Advancements in Science and Technology for a Sustainable Environment and Healthcare,” organized by the Faculty of Pharmaceutical Sciences & Life Sciences in collaboration with IQAC and AIU, RKDF University, Ranchi, held on August 1st and 2nd, 2025.
2. **Dr. Asish Bhaumik** participated DBT Sponsored Two Day National Seminar on “Recent Advances in Applied Biology” and presented a paper at oral with entitled “Integrated Phytochemical Profiling and In Silico Molecular Docking Based Evaluation of the Antimicrobial Potential of Adhatoda vasica Leaves” organized Tihu Collge, Assam, during 15th to 16 th September, 2025.
3. **Dr. Asish Bhaumik** participated in a One Day Workshop on “Basics of Microbiology” Organized by the Department of Botany, Rangapara College in collaboration with GIPS, Girijananda Chowdhury University, Tezpur Campus, Assam on 17 th September, 2025.

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

1. **Dr. Asish Bhaumik** has been awarded the Association of Chemistry Teachers Distinguished Research Faculty Award (ACT-DRFA-2025) at the International Conference on “Breakthrough Innovations in Chemical & Sustainable Sciences: Research and Education (BICSS-2025)” and the National Convention of Chemistry Teachers (NCCT-2025), held from November 13 th –15 th , 2025. The conference was organized by the School of Studies in Chemistry and Biochemistry, Samrat Vikramaditya Vishwavidyalaya, Ujjain, Madhya Pradesh, in collaboration with the Association of Chemistry Teachers (ACT). The title of my paper was “Bioactive Potential of Adhatoda Vasica Leaves: Comprehensive Phytochemical Profiling and Dual Biological Evaluation with Computational Validation”.
2. **Mr. Bedanta Bhattacharjee and Dr. Hemanga Hazarika** Received Young Researcher Award-2025 on the occasion of the 3rd Foundation Day of Girijananda Chowdhury University, Assam.



## Publication report for the academic session July-December 2025

### Departmental count

|                               |              |                                               |           |
|-------------------------------|--------------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>09</b>    | <b>Extramural projects approved/ongoing</b>   | <b>00</b> |
| <b>Review articles:</b>       | <b>10</b>    | <b>Research paper presented</b>               | <b>03</b> |
| <b>Total impact factor:</b>   | <b>33.57</b> | <b>No of conference/FDP/workshop attended</b> | <b>00</b> |
| <b>Conference proceedings</b> | <b>00</b>    | <b>No of existing JRF/SRF</b>                 | <b>02</b> |
| <b>Book Chapters:</b>         | <b>08</b>    | <b>Awards &amp; Recognition</b>               | <b>03</b> |
| <b>Books / Edited Books</b>   | <b>01</b>    |                                               |           |
| <b>Patents</b>                | <b>01</b>    |                                               |           |



## Publication report for the academic session July-December 2025

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | School of Allied Health Sciences            |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Department of Medical Laboratory Technology |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |
| <b>List of Research Publication in Journals (Total count: 02)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                             |
| <ol style="list-style-type: none"> <li><b>Borah P</b>, Ralte L, Borsaikia K, Borah P. Diagnostic Utility of Fine Needle Aspiration Cytology (FNAC) in Lymphadenopathy: A Study from a Tertiary Care Hospital. International Journal of Medical Sciences and Current Research. 2025 Nov;8(6):21.<br/>(Date of publication- Feb 2025   Publisher: IJMSCR   Impact factor- 0)</li> <li>Seema Das, Somyata CS, <b>Das SS</b>, Kakati T. Effectiveness of Tai Chi exercise on Vo2 max in patients with cancer after Chemotherapy. Journal of Clinical and Diagnostic Research, 2025;19(7); YC01-YC06.<br/>(Date of publication- 01/07/2025   Publisher: JCDDR   Impact factor- 0)</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                             |
| <b>List of Publication in a Book Chapter (Total count: 01)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |
| <ol style="list-style-type: none"> <li><b>Subarna Sankar Das</b>. Chapter 5. In: Velumani S (Eds). Integrated Approach to mental Health (Volume 2), 2025. Integrated publications, New Delhi. ISBN 978-93-5834-8767.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                             |
| <b>Research paper presented (Invited Speaker/Oral/Poster) at State, Regional, National and International level Conference (Online/Offline/hybrid mode)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                             |
| <ol style="list-style-type: none"> <li><b>Dr. Vidhya Srinivasan</b> participated in the seven days FDP as Invited Speaker on emerging trends in life sciences, organized by department of Biochemistry, SRM institute of Science and Technology. Delivered a Session on “Smart Lab Technology”. July 2025.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |
| <b>Information on Faculties receiving Awards/Recognition/Commendation from State/National/International agency</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                             |
| <ol style="list-style-type: none"> <li><b>Dr. Vidhya Srinivasan</b> selected as a Curriculum Task force under National commission of Allied and Healthcare professions, GOI for framing the syllabus of Medical Laboratory Sciences. Syllabus has been released on October 2025.</li> <li><b>Dr. Vidhya Srinivasan</b> received Honour of Excellence Award in the AHPCON 2025 organized by Sri Venkateshwaraa College of Paramedical Sciences, Puducherry, Aug 2025</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                             |
| <b>Any other R&amp;D information on the achievements/recognition of the respective Department (inclusive of achievements/awards/recognition received by UG/PG/Ph.D scholars at conference, convention or university level R&amp;D competition etc.)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                             |
| <ol style="list-style-type: none"> <li><b>Prayash Borah</b> attended a five-day National Level Faculty Development Program on “AI Empowered Learning Towards Shaping the Future of Health Sciences” conducted by the School of Health Sciences. Duration: 14.07.2025 – 18.07.2025.</li> <li><b>Prayash Borah</b> attended a two-week Faculty Development Program 3.0 titled “Empowering Faculty Excellence: Artificial Intelligence, Research and Education” conducted by ISIC (Institute of Rehabilitation Sciences). Duration: 21.07.2025 – 03.08.2025.</li> <li><b>Prayash Borah</b> participated as a delegate in the Two-Day International Conference for Allied Health Professionals organized by Sri Venkateshwaraa College of Paramedical Sciences, Puducherry. Dated: 21.08.2025 – 22.08.2025.</li> <li><b>Prayash Borah</b> attended a one-week Faculty Development Program on “Artificial Intelligence: The Brain Behind Industry 4.0” jointly organized by Electronics and ICT Academy, NIT Patna and Girijananda Chowdhury University, Assam, under the Scheme of Financial Assistance for Setting up of Electronics and ICT Academies (Phase II) by the Ministry of Electronics and Information Technology (MeitY), Government of India. Duration: 01.09.2025 – 05.09.2025.</li> <li><b>Prayash Borah</b> attended the 6th National Conference of the Indian Confederation of Medical Laboratory Science (ICMLS-2025) held at All India Institute of Medical Sciences (AIIMS), Guwahati, Assam. Dated: 15.11.2025 – 16.11.2025.</li> </ol> |                                             |



## Publication report for the academic session July-December 2025

6. **Prayash Borah** attended a seven-day National Conference cum Faculty Development Programme (FDP) on “Advancements in Genomics, Proteomics & Translational Immunology: Contributions of Health Sciences for Viksit Bharat – 2030” organized by CRIS-DNA Labs (Centre for Research & Innovative Scientific Studies), Dehradun, under the aegis of the Microbiologist Society, India. Duration: 15.12.2025 – 22.12.2025. Credit Hours: 43.
7. **Monoj Rajkhowa** participated as a delegate in the two-day International Conference for Allied Health Professionals organized by Sri Venkateshwaraa College of Paramedical Sciences, Puducherry, Dated: 21/08/2025 to 22/08/2025.
8. **Pasang Drema Goiba** attended the 6th National Conference of the Indian Confederation of Medical Laboratory Science (ICMLS-2025) held at All India Institute of Medical Sciences (AIIMS), Guwahati, Assam. Dated: 15.11.2025 – 16.11.2025.
9. **Pasang Drema Goiba** participated as a delegate in the Two-Day International Conference for Allied Health Professionals organized by Sri Venkateshwaraa College of Paramedical Sciences, Puducherry. Dated: 21.08.2025 – 22.08.2025.
10. **Pasang Drema Goiba** attended a one-week Faculty Development Program on “Artificial Intelligence: The Brain Behind Industry 4.0” jointly organized by Electronics and ICT Academy, NIT Patna and Girijananda Chowdhury University, Assam, under the Scheme of Financial Assistance for Setting up of Electronics and ICT Academies (Phase II) by the Ministry of Electronics and Information Technology (MeitY), Government of India. Duration: 01.09.2025 – 05.09.2025.
11. **Pasang Drema Goiba** attended a five-day National Level Faculty Development Program on “AI Empowered Learning Towards Shaping the Future of Health Sciences” conducted by the School of Health Sciences. Duration: 14.07.2025 – 18.07.2025.
12. **Chayanika Das** attended a 6 – Day Online Faculty Development Program on “Unified Physiotherapy Curriculum: Enhancing Quality, Strengthening Documentation and Delivery Standards”, held from 5th August, 2025 to 12th August, 2025, organized by School of Physiotherapy and Rehabilitation Sciences, K.R. Mangalam University in collaboration with IQAC KRMU and Jaipur National University, Jaipur, Rajasthan.
13. **Chayanika Das** has participated in the one-week Faculty Development Program on “Artificial Intelligence: The Brain Behind Industry 4.0” jointly organized by Electronics and ICT Academy, NIT Patna & Girijananda Chowdhury University, Assam under the “Scheme of financial assistance for setting up of Electronics and ICT Academics (Phase – II)” by the Ministry of Electronics and Information Technology (Meit Y), Government of India from 01st September, 2025 to 05th September, 2025.
14. **Subarna Sankar Das** attended FDP on “Unified Physiotherapy Curriculum: Enhancing Quality, Strengthening Documentation and Delivery Standards from 05/08/2025-12/08/2025.

### Departmental count

|                               |           |                                               |           |
|-------------------------------|-----------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>02</b> | <b>Extramural projects approved/ongoing</b>   | <b>00</b> |
| <b>Review articles:</b>       | <b>00</b> | <b>Research paper presented</b>               | <b>01</b> |
| <b>Total impact factor:</b>   | <b>00</b> | <b>No of conference/FDP/workshop attended</b> | <b>14</b> |
| <b>Conference proceedings</b> | <b>00</b> | <b>No of existing JRF/SRF</b>                 | <b>00</b> |
| <b>Book Chapters:</b>         | <b>01</b> | <b>Awards &amp; Recognition</b>               | <b>02</b> |
| <b>Books / Edited Books</b>   | <b>00</b> |                                               |           |
| <b>Patents</b>                | <b>00</b> |                                               |           |



## Publication report for the academic session July-December 2025

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | School of Engineering & Technology |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Civil Engineering (CE)             |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    |
| <b>List of Publication in Journals (Total count: 01)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |
| 1. <b>Gayan A</b> , and Talukdar A. Performance Evaluation of Newly Developed Porcupine Systems for Efficient Erosion Control in Alluvial Rivers. European Water Resources Association (EWRA), 2025, 89, <a href="https://www.ewra.net/ew/pdf/EW_2025_89_06.pdf">https://www.ewra.net/ew/pdf/EW_2025_89_06.pdf</a> .                                                                                                                                                                                                                                                                                                                                                                                                                            |                                    |
| <b>List of Publication in Journal Proceedings/Conference paper (Total count: 02)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                    |
| 1. Chandrakumar VK, Soundarajan S, Rajendran Y, <b>Robert RS Pandian</b> , Vempada SR, Falah MH, Ghildiyal Y, Correa FS. Equivalent Static Analysis of Multi-Storeyed Buildings in Seismic Prone Zones Using Midas Gen, AIP Conference Proceedings - 2025, <a href="https://pubs.aip.org/aip/acp/article-abstract/3263/1/090015/3359258/Equivalent-static-analysis-of-multi-storeyed">https://pubs.aip.org/aip/acp/article-abstract/3263/1/090015/3359258/Equivalent-static-analysis-of-multi-storeyed</a> . <a href="https://doi.org/10.1063/5.0261189">https://doi.org/10.1063/5.0261189</a><br>(Date of publication- 18/08/2025  Publisher: AIP Publishing  Impact factor-NIL   Indexed in Scopus, Web of Science (CPCI), Inspec, CAS, ADS.) |                                    |
| 2. Chandrakumar VK, Murugan P, Mohan MK, <b>Robert RS Pandian</b> , Vijayakumar M, Muhsen M, Bisht YS, Sudan P. Microstructure and strength evaluation of blended concrete with partial replacement of rice husk ash and fly ash, AIP Conference Proceedings–2025, <a href="https://pubs.aip.org/aip/acp/article-abstract/3263/1/200007/3359422/Microstructure-and-strength-evaluation-of-blended">https://pubs.aip.org/aip/acp/article-abstract/3263/1/200007/3359422/Microstructure-and-strength-evaluation-of-blended</a><br>(Date of publication- 18/08/2025  Publisher: AIP Publishing  Impact factor-NIL   Indexed in Scopus, Web of Science (CPCI).                                                                                      |                                    |
| <b>List of Publication in a Book Chapter (Total count: 02)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    |
| 1. <b>Kaushik S</b> (2025). “Seismic Resilience of Reinforced Concrete Frames: Evaluating the Impact of Bracing Systems and Soil-Structure Interaction”. In: Maheshwari, B.K., Sarkar, R., Kumar, A. (eds) Seismic Design and Performance of Structures, Soil- Structure Interaction. ICORAGEE 2024. Lecture Notes in Civil Engineering, vol 567. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-96-2096-8_21">https://doi.org/10.1007/978-981-96-2096-8_21</a><br><b>Date of publication-</b> 30/07/2025  <b>Publisher:</b> Springer   <b>Impact factor-</b> NIL   <b>Indexed</b> in Scopus, Scopus, EI Compendex, SpringerLink.                                                                                                |                                    |
| 2. Packia Santhini JS, Jayganes D, <b>Robert Ravi S</b> . Seismic Reconnaissance Survey of the Assam (India) Earthquake (2021). In: Kumar, A., Sarkar, R., Maheshwari, B. (eds) Seismic Hazard Analyses, Wave Propagation and Site Characterization. ICORAGEE 2024. Lecture Notes in Civil Engineering, vol 571. Springer, Singapore. Print ISBN 978-981-96-1351-9 <a href="https://doi.org/10.1007/978-981-96-1352-6_24">https://doi.org/10.1007/978-981-96-1352-6_24</a><br><b>Date of publication-</b> 01/08/2025   <b>Publisher:</b> Springer   <b>Impact factor-</b> NIL   <b>Indexed</b> in Scopus, Scopus, EI Compendex, SpringerLink.                                                                                                   |                                    |

### Departmental count

|                               |           |                                               |           |
|-------------------------------|-----------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>01</b> | <b>Extramural projects approved/ongoing</b>   | <b>00</b> |
| <b>Review articles:</b>       | <b>00</b> | <b>Research paper presented</b>               | <b>00</b> |
| <b>Total impact factor:</b>   | <b>00</b> | <b>No of conference/FDP/workshop attended</b> | <b>00</b> |
| <b>Conference proceedings</b> | <b>02</b> | <b>No of existing JRF/SRF</b>                 | <b>00</b> |
| <b>Book Chapters:</b>         | <b>02</b> | <b>Awards &amp; Recognition</b>               | <b>00</b> |
| <b>Books / Edited Books</b>   | <b>00</b> |                                               |           |
| <b>Patents</b>                | <b>00</b> |                                               |           |



## Publication report for the academic session July-December 2025

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | School of Engineering & Technology |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Mechanical Engineering (ME)        |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    |
| <b>List of Publication in Journals (Total count: 01)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |
| 1. <b>Chakraborty O</b> , Das B, Algarni S, Alqahtani T, Irshad K. Numerical investigation of parabolic trough collectors using hybrid nanofluids and modified receiver tube. Applied Thermal Engineering. 2025;279 Part B: 127597. <a href="https://doi.org/10.1016/j.applthermaleng.2025.127597">https://doi.org/10.1016/j.applthermaleng.2025.127597</a><br>(Date of publication-15/11/2025   <b>Publisher:</b> Elsevier   <b>Impact factor-</b> 6.9   Indexed in SCI, ESCI, Web of Science) |                                    |
| <b>List of Book Publication (Total count: 01)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                    |
| 1. <b>Chakraborty O</b> , Das B. Performance Enhancements in Parabolic Solar Trough Collectors via Insert Diversity. InParabolic Solar Trough Collector: Design, Development and Usage 2025 Nov 21 (pp. 151-202). Cham: Springer Nature Switzerland.<br>(Date of publication- 21/11/2025   <b>Publisher:</b> Springer Nature, Elsevier   <b>Impact factor-</b> NIL   Indexed in: Scopus (book-level), SpringerLink)                                                                             |                                    |

### Departmental count

|                               |            |                                               |           |
|-------------------------------|------------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>01</b>  | <b>Extramural projects approved/ongoing</b>   | <b>00</b> |
| <b>Review articles:</b>       | <b>00</b>  | <b>Research paper presented</b>               | <b>00</b> |
| <b>Total impact factor:</b>   | <b>6.9</b> | <b>No of conference/FDP/workshop attended</b> | <b>00</b> |
| <b>Conference proceedings</b> | <b>00</b>  | <b>No of existing JRF/SRF</b>                 | <b>00</b> |
| <b>Book Chapters:</b>         | <b>00</b>  | <b>Awards &amp; Recognition</b>               | <b>00</b> |
| <b>Books / Edited Books</b>   | <b>01</b>  |                                               |           |
| <b>Patents</b>                | <b>00</b>  |                                               |           |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                       | School of Engineering & Technology     |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Computer Science and Engineering (CSE) |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |
| <b>List of Research Publication in Journals (Total count: 04)</b>                                                                                                                                                                                                                                                                                                                                                                                                   |                                        |
| 1 Khakhlari G, Kalita S Kr, <b>Gogoi M</b> , Ray R, Sarma S Kr. A benchmark image dataset of unconstrained isolated Assamese handwritten compound characters. IJDAR. 2025. <a href="https://doi.org/10.1007/s10032-025-00534-w">https://doi.org/10.1007/s10032-025-00534-w</a><br>(Date of publication-17/07/2025   <b>Publisher:</b> Springer   <b>Impact factor-</b> 1.7   Indexed in Scopus, Web of Science).                                                    |                                        |
| 2 Sarma A P, Kalita S Kr, <b>Gogoi M</b> , Choudhury BKD. Data Driven Progress Analysis of the e-District Project in Assam: Trends, Service Utilisation and Post-COVID Recovery. Journal of Dalian University of Technology. 2025; 32(12):1776-1779.                                                                                                                                                                                                                |                                        |
| 3 <b>Pradhan A</b> , Rahman M, Sarma SK, Kalita A, Ali A, Ghosh P. Calibrated voxel data from fMRI for the detection of developmental dyslexia using hybrid CNN-SVM model. Current Science. 2025;129(3):223–231. <a href="https://doi.org/10.18520/cs/v129/i3/223-231">https://doi.org/10.18520/cs/v129/i3/223-231</a><br>(Date of publication-10/08/2025   <b>Publisher:</b> Indian Academy of Sciences   Impact Factor- 1.1   Indexed in Scopus, Web of Science). |                                        |
| 4 <b>Kalita M</b> , Mahanta LB, Das AK, Laskar D. An Interpretable Hybrid AI Model for Breast Fine Needle Aspiration Cytology Image Classification. Journal of Medical Systems. 2025; 49(1). <a href="https://doi.org/10.1007/s10916-025-02267-z">https://doi.org/10.1007/s10916-025-02267-z</a><br>(Date of publication-12/12/2025   <b>Publisher:</b> Springer   Impact Factor- 8.8   Indexed in                                                                  |                                        |

SCIE, Scopus, PubMed, Embase).

### **List of Review Publication in Journals (Total count: 01)**

1. **Das D, Kumar TS.** Weather prediction and climate analysis using machine learning algorithms: a review. International Journal of Engineering Research and Technology (IJERT). 2025; 14(11):1–6. <https://doi.org/10.5281/zenodo.18075683>  
(Date of publication-1811/2025 | **Publisher:** Engineering Science & Research Support Association (ESRSA) | **Impact factor**-NA | **Indexed** in CrossRef, PubMed)

### **List of Publication in a Book Chapter (Total count: 02)**

1. **Mazinder MS, Gogoi M,** Baruah M, Longkumer I. (2025). An Investigation of AI-Assisted Strategies for Accurate Detection of Oral Cancer in Assam. In: Mohanty, S.N., Rocha, Á., Dutta, P.K. (eds) Artificial Intelligence in Oncology. Springer, Cham. Print ISBN 978-3-031-94301-0. [https://doi.org/10.1007/978-3-031-94302-7\\_6](https://doi.org/10.1007/978-3-031-94302-7_6)  
(Date of publication-01/10/2025|**Publisher:** Springer|**Impact Factor**-0| **Indexed** in Scopus)
2. **Kalita M.** Chapter 12: Advances of Deep Learning in Breast Cancer Detection using microscopic Fine Needle Aspiration Cytology Images. In: Sarmah K, Das HC (Eds). Machine Learning, Artificial Intelligence, and Data Science: Current Trends in Big Data, Deep Learning, Neural Networks, and Predictive Modeling. Deep Science Publishing, 2025. pp 146–60. ISBN: 978-93-7185-366-8. <https://doi.org/10.70593/978-93-7185-827-4>  
(Date of publication-01/10/2025 | **Publisher:** Springer | **Impact Factor**- 0)

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

1. **Prof. Minakshi Gogoi.** SCADA and Biometric Integration with reference to Industry 4.0. Online FDP on "Artificial Intelligence: The Brain Behind Industry 4.0" organized by Dept. of CSE, Girijananda Chowdhury University in collaboration with Electronics & ICT Academy, National Institute of Technology Patna (dated from (01.09.2023. – 05.09.2023). (**Invited Speaker on 03.09.2025.**).
2. **Adarsh Pradhan.** Dyslexia chatbot architecture using reinforcement learning-based Seq2Seq model integrated with K-fold cross-validation. 1<sup>st</sup> International Conference on Smart Systems and Social Management, Organized by the Assam Royal Global University, Guwahati, Assam. Dated: 06.11.2025 – 08.11.2025. (**Oral presentation-Online**).
3. **Adarsh Pradhan.** Advancing Dyslexia Detection in Low- and Middle-Income Countries: A Review of Machine Learning and Accessible Neuroimaging. 1<sup>st</sup> International Conference on Innovations in Health Information Technology in Low- and Middle-Income Countries (LMICs), Organized by the Asian Development Research Institute, Patna, Bihar. Dated: 10.12.2025 – 11.12.2025. (**Oral presentation-Online**).
4. **Adarsh Pradhan.** A Hands-on Session on AI Agents. Faculty Development Program On “Artificial Intelligence: The Brain Behind Industry 4.0”, organized by the Dept. of CSE, Girijananda Chowdhury University, in collaboration with Electronics & ICT Academy, National Institute of Technology Patna. Dated: 1<sup>st</sup> – 5<sup>th</sup>September 2025 (**Invited Speaker-Online**)
5. **Adarsh Pradhan.** Fundamentals of AI & ML for Industry. Management Development Programme (MDP) on Artificial Intelligence and Machine Learning held at Purbanchal Timber Industries (Century Ply), Mirza, Organized by the Tool Room & Training Centre



## Publication report for the academic session July-December 2025

(TRTC), Guwahati. Dated: 16<sup>th</sup> –19<sup>th</sup> December 2025 (**Invited Speaker-Online**)

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

***Ongoing***

1. PI: Dr. Sanjib Kumar Kalita, Gauhati University (Assam)  
Co-PI(s): **Dr. Minakshi Gogoi, Girijananda Chowdhury University, Assam**  
Dr. Diganta Kumar Pathak, BSSRV(Golaghat, Assam)  
Dr. Tushar Shukla, ISRO(Ahmadabad)  
Title: **Temporal change analysis & interpretation framework for Optical Earth Observation Imagery using Artificial Intelligence/Deep Learning.**  
Funding agency: ISRO RAC-S, GU  
Amount sanctioned: Rs 20,44,662/-  
Duration: 2 years  
Date of sanction with sanction no: 04-11-2025, RAC-S/GU/2024/4/32
2. Dr. Nilakshi Goswami (Principal Investigation), **Ms. Shrabani Medhi (Co-Investigator, GCU)**  
Title: Journey Through Assam's Vaishnavite Manuscript Paintings: Bridging Heritage and Tourism with Digital Innovation.  
Funding agency: Assam Science Technology and Environment Concil (ASTEC)  
Amount sanctioned: Rs 300000/-  
Duration: 3 years  
Date of sanction with sanction no: 03/09/2024, ASTEC/S&T/1614/14/2023-24/2214

***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. **Prof. Minakshi Gogoi.** Organized, Coordinator Online FDP on "Artificial Intelligence: The Brain Behind Industry 4.0" organized by Dept. of CSE, Girijananda Chowdhury University in collaboration with Electronics & ICT Academy, National Institute of Technology Patna(From 01.09.2023. – 05.09.2023). Funded by MeitY. Govt. of India.
2. **Prof. Minakshi Gogoi.** A talk on "AI for Academic Learning, Teaching, and Evaluation" organized by Girijananda Chowdhury University at 408. Dated: 20/08/2025.
3. **Dr. Th Shanta Kumar.** Social Network Analysis (SNA) – Concepts and Applications. Online FDP on "Artificial Intelligence: The Brain Behind Industry 4.0" organized by Dept. of CSE, Girijananda Chowdhury University in collaboration with Electronics & ICT Academy, National Institute of Technology Patna From (01.09.2023. – 05.09.2023). **Invited Speaker on 02.09.2025.**
4. **Dr. Th Shanta Kumar.** 5-Day FDP on "Innovative Teaching and Learning Pedagogy", Organised by Research foundation of India in Association with Parul University, 15-20 December 2025.
5. **Adarsh Pradhan** attended **10 days online FDP** on "NEP 2020 Orientation & Sensitization Programme" organized by Girijananda Chowdhury University from 03-12 December 2025.
6. **Shrabani Medhi.** A hands-on session on Online FDP on "Artificial Intelligence: The Brain Behind Industry 4.0" organized by Dept. of CSE, Girijananda Chowdhury University in collaboration with Electronics & ICT Academy, National Institute of Technology Patna. Dated: 01.09.2025 – 05.09.2023. (**Invited Resource Person**).
7. **Manjula Kalita** completed **5 day FDP** "AI: The Brain Behind Industry 4.0"



## Publication report for the academic session July-December 2025

- organized by E&ICT academy, NIT Patna and GCU from 1/09/2025 to 5/09/2025.
8. **Ritushree Dutta** completed **10 days “Malaviya Mission Teacher Training Programme (MMTTP)”** of UGC organized by MMTTC, Gauhati University from 03/12/2025 to 12/12/2025.
  9. **Ritushree Dutta** completed **5 day FDP “AI: The Brain Behind Industry 4.0”** organized by E&ICT academy, NIT Patna and GCU from 1/09/2025 to 5/09/2025.
  10. **Mala Ahmed** completed **5 day FDP “AI: The Brain Behind Industry 4.0”** organized by E&ICT academy, NIT Patna and GCU from 1/09/2025 to 5/09/2025.
  11. **Dharitri Sarkar** completed **5 day FDP “AI: The Brain Behind Industry 4.0”** organized by E&ICT academy, NIT Patna and GCU from 1/09/2025 to 5/09/2025
  12. **Dharitri Sarkar** completed **5 day ATAL FDP “Real world AI & ML: From concept to deployment in Industry 4.0 and 5.0”** organized by Assam Skill University from 2/11/2025 to 7/11/2025.
  13. **Dharitri Sarkar** completed **10 days** NEP Orientation and Sensitization Programme under MMTCP of UGC organized by MMTTC, Gauhati University from 3/12/2025 to 12/12/2025.
  14. **Subungshri Basumatary** organized **5 day FDP “AI: The Brain Behind Industry 4.0”** organized by E&ICT academy, NIT Patna and GCU from 1/09/2025 to 5/09/2025.
  15. **Gargee Chakravarty** attended **5-days online FDP** on “inculcating Universal Human values in Technical Education” organized by AICTE from 21/06/2025 to 25/06/2025.
  16. **Gargee Chakravarty** attended an **one week FDP on “artificial Intelligence: The Brain Behind Industry 4.0”** jointly organized by Electronic & ICT Academy, NIT Patna & Girijananda Chowdhury University Under MeitY, from 1/09/2025 to 5/09/2025
  17. **Gargee Chakravarty** attended **6-days ATAL-FDP on Real-World AI & ML**– from concept of development in Industry 4.0 and 5.0 at Assam Skill University from 02/11/2025 to 01/11/2025.
  18. **Gargee Chakravarty** attended **8-days online NEP 2020** Orientation & Sensation Programme Under MMTTP of UGC organized by MMTTC from 03/12/2025 to 12/12/2025.

### Departmental count

|                               |             |                                               |           |
|-------------------------------|-------------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>04</b>   | <b>Extramural projects approved/ongoing</b>   | <b>02</b> |
| <b>Review articles:</b>       | <b>01</b>   | <b>Research paper presented</b>               | <b>00</b> |
| <b>Total impact factor:</b>   | <b>11.6</b> | <b>No of conference/FDP/workshop attended</b> | <b>18</b> |
| <b>Conference proceedings</b> | <b>00</b>   | <b>No of existing JRF/SRF</b>                 | <b>00</b> |
| <b>Book Chapters:</b>         | <b>02</b>   | <b>Awards &amp; Recognition</b>               | <b>00</b> |
| <b>Books / Edited Books</b>   | <b>00</b>   |                                               |           |
| <b>Patents</b>                | <b>00</b>   |                                               |           |



## Publication report for the academic session July-December 2025

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | School of Engineering & Technology              |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Electronics and Communication Engineering (ECE) |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                 |
| <b>List of Publication in Journals (Total count: 01)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                 |
| 1. Talukdar J, <b>Das B</b> , Srivastava A, Devi WV, Singh R. TMDC-based TFETs: progress, potential, and pathways to energy-efficient electronics. Micro and Nanostructures. 2025;208460.<br><br>(Date of publication- 19/11/2025   Publisher: Elsevier   Impact factor- 3.0   Indexed in Scopus , Web of Science).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                 |
| <b>List of Publication in a Book Chapter (Total count: 02)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                 |
| 1. Talukdar J, Malvika, <b>Das B</b> , Mummaneni K. Chapter 8: Tunnel field effect transistors: harnessing light sensitivity for optical sensing. In: Goel E, Pandey A, Rahi SB, Samuel A (Eds). Handbook of Advanced Semiconductor Field Effect Transistors. Hoboken (NJ): John Wiley & amp; Sons. 2025, pp 169–182. Print ISBN: 9781394412570; Online ISBN: 9781394412600. <a href="https://doi.org/10.1002/9781394412600.ch8">https://doi.org/10.1002/9781394412600.ch8</a><br><br>2. Shaw T, <b>Kalita A</b> . Agro automatic weather station. In: Data-Driven AI: A Multidisciplinary Approach – Techniques, Applications, and Insights from Multiple Domains. London: CRC Press, Taylor & amp; Francis Group; 2025. pp. 84–91. ISBN: 978-1- 041-27236-6. <a href="https://doi.org/10.1201/9781003753377">https://doi.org/10.1201/9781003753377</a> |                                                 |
| <b>Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                 |
| <b>Ongoing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                 |
| 1 <b>Dr. Anindita Bora</b> , Collaborative research project and funding support of 1,00,000/- for 1 year duration (sanctioned on 25 <sup>th</sup> August 2025), funded by Aaranyak.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                 |
| <b>Proposed</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                 |
| 2 <b>Dr. Basab Das</b> as Coordinator and Dr. Anindita Bora, as Co-Coordinator :<br>Project titled " <b>Non-disclosure by R&amp;D for security reasons</b> " submitted to Anusandhan National Research Foundation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                 |
| <b>Information on Research paper presented (Invited Speaker/Oral/Poster) at State, Regional, National and International level Conference (Online/Offline/hybrid mode)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                 |
| 1. <b>Dr. Basab Das</b> . Dual-gate asymmetric MoS <sub>2</sub> TFETs: design, simulation, and performance evaluation. In: <i>Proceedings of the 2025 IEEE Guwahati Subsection Conference (GCON)</i> ; 2025; Itanagar, India. p. 1–3. <a href="https://doi.org/10.1109/GCON65540.2025.11173311">https://doi.org/10.1109/GCON65540.2025.11173311</a><br><br>2. <b>Dr. Basab Das</b> . MoS <sub>2</sub> -based NC-TMDTFET for drain voltage and temperature variability analysis. In: <i>Proceedings of the 2025 IEEE Guwahati Subsection Conference (GCON)</i> ; 2025; Itanagar, India. p. 1–3. <a href="https://doi.org/10.1109/GCON65540.2025.11173355">https://doi.org/10.1109/GCON65540.2025.11173355</a>                                                                                                                                             |                                                 |

### Departmental count

|                               |             |                                               |           |
|-------------------------------|-------------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>04</b>   | <b>Extramural projects approved/ongoing</b>   | <b>02</b> |
| <b>Review articles:</b>       | <b>01</b>   | <b>Research paper presented</b>               | <b>00</b> |
| <b>Total impact factor:</b>   | <b>11.6</b> | <b>No of conference/FDP/workshop attended</b> | <b>18</b> |
| <b>Conference proceedings</b> | <b>00</b>   | <b>No of existing JRF/SRF</b>                 | <b>00</b> |
| <b>Book Chapters:</b>         | <b>02</b>   | <b>Awards &amp; Recognition</b>               | <b>00</b> |
| <b>Books / Edited Books</b>   | <b>00</b>   |                                               |           |
| <b>Patents</b>                | <b>00</b>   |                                               |           |



## Publication report for the academic session July-December 2025

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | School of Engineering & Technology |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Electrical Engineering (EE)        |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |
| <b>List of Publication in Journals (Total count: 05)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |
| <p>1. Roy RR, <b>Bordoloi S.</b> Beer's Law and Lorentz-Lorenz Formula Based Optical Sensor System for Adulterant Detection in Lubricants Using Support Vector Machine (SVM) Model and Decision Tree. MAPAN. 2025. <a href="https://doi.org/10.1007/s12647-025-00873-3">https://doi.org/10.1007/s12647-025-00873-3</a><br/>(Date of publication- 9/12/2025   Publisher: Springer   Impact factor-1.3   Indexed in Scopus, Web of Science, Chemical Abstracts Service (CAS).)</p>              |                                    |
| <p>2. <b>Roy P</b>, Roy A, Sarmah A, Talukdar BK. Indoor energy harvesting with a hybrid photovoltaic–thermoelectric generator: Influence of light source, tilt angle and passive cooling. Next Research. 2025; 100958. <a href="https://doi.org/10.1016/j.nexres.2025.100958">https://doi.org/10.1016/j.nexres.2025.100958</a><br/>(Date of publication-29/10/2025   Publisher: Elsevier   Impact factor-N/A   Indexed: Nil)</p>                                                             |                                    |
| <p>3. <b>Roy P</b>, Talukdar BK, Borah S. Phase change material application in photovoltaic systems: Performance analysis and optimization. SSRG International Journal of Electrical and Electronics Engineering. 2025; 12(10): 69–78. <a href="https://doi.org/10.14445/23488379/IJEEE-V12I10P106">https://doi.org/10.14445/23488379/IJEEE-V12I10P106</a><br/>(Date of publication- 05/10/2025   Publisher: Seventh Sense Research Group (SSRG)   Impact factor-N/A   Indexed in Scopus)</p> |                                    |
| <p>4. <b>Roy P</b>, Talukdar BK. Performance evaluation of a photovoltaic system with phase change material in Guwahati. Indonesian Journal of Electrical Engineering and Computer Science. 2025; 39: 1–10. <a href="http://doi.org/10.11591/ijeecs.v39.i2.pp737-746">http://doi.org/10.11591/ijeecs.v39.i2.pp737-746</a><br/>(Date of publication-August 2025  Publisher: Institute of Advanced Engineering and Science (IAES)   Impact factor-N/A   Indexed in Scopus)</p>                  |                                    |
| <p>5. <b>Roy P</b>, Talukdar BK, Bordoloi S, Talukdar BK. Modelling and analysis of a hybrid photovoltaic–thermoelectric generator system using a relative humidity adaptive maximum power point tracking algorithm. Majlesi Journal of Electrical Engineering. 2025. <a href="https://doi.org/10.57647/j.mjee.2025.17717">https://doi.org/10.57647/j.mjee.2025.17717</a><br/>(Date of publication 25-06-2025   Publisher: OICC press   Impact factor-0   Indexed in Scopus)</p>              |                                    |
| <b>List of Publication in Journal Proceedings (Total count: 07)</b>                                                                                                                                                                                                                                                                                                                                                                                                                           |                                    |
| <p>1. Talukdar BK, <b>Roy P.</b> A Reliability-Centered Framework for Maintainability Analysis of Electric Vehicles, &amp; quot; 2025 IEEE Silchar Subsection Conference (SILCON), Chumukedima, Dimapur, India, 2025, pp. 1-5. <a href="https://doi.org/10.1109/SILCON67893.2025.11327034">https://doi.org/10.1109/SILCON67893.2025.11327034</a></p>                                                                                                                                          |                                    |
| <p>2. <b>Roy P</b>, Ahmed S, Konwar J, Senapati P, Akhtara J. A Review of Standalone Solar PV System Using PVGIS. PVsyst and Homer. 2025 Research Conclave, ADBU, Assam.</p>                                                                                                                                                                                                                                                                                                                  |                                    |
| <p>3. <b>Borah AA</b>, <b>Ahmed M.</b> A Machine Learning Approach to Analysis the Performance of Industrial Motor Drive. 2025 Research Conclave, ADBU, Assam.</p>                                                                                                                                                                                                                                                                                                                            |                                    |
| <p>4. <b>Borah AA</b>, Chowdhury N, Saikia S, Bora N. Price Forecasting in Restructured Power System : A Comprehensive Review. 2025 Research Conclave, ADBU, Assam.</p>                                                                                                                                                                                                                                                                                                                       |                                    |
| <p>5. <b>Borah AA</b>, Kalita N. Analysis of Indian Power Demand: A Machine Learning Approach. 2025 Research Conclave, ADBU, Assam.</p>                                                                                                                                                                                                                                                                                                                                                       |                                    |



## Publication report for the academic session July-December 2025

6. **Borah AA**, Boro A. An Ensemble ML Approach for Smart Meter Management” 2025 Research Conclave, ADBU, Assam.
7. **Borah AA**, Singh B. A Comparison of Various ML Method for Load Forecasting” 2025 Research Conclave, ADBU, Assam.

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

Ongoing: NIL

Proposed:

1. **Dr. Sandip Bordoloi**. Title ‘Non-disclosure by R&D for security reasons’. Submitted to: AICTE-RPS; 2025.
2. **Dr. Sandip Bordoloi**. Title ‘Non-disclosure by R&D for security reasons’. Submitted to: ANRF; 2025.
3. **Dr. Sandip Bordoloi**. Title ‘Non-disclosure by R&D for security reasons’. Submitted to: NRL; 2025

### Departmental count

|                        |     |                                        |    |
|------------------------|-----|----------------------------------------|----|
| Research articles:     | 05  | Extramural projects approved/ongoing   | 00 |
| Review articles:       | 00  | Research paper presented               | 00 |
| Total impact factor:   | 1.3 | No of conference/FDP/workshop attended | 00 |
| Conference proceedings | 07  | No of existing JRF/SRF                 | 00 |
| Book Chapters:         | 00  | Awards & Recognition                   | 00 |
| Books / Edited Books   | 00  |                                        |    |
| Patents                | 00  |                                        |    |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                              | School of Natural Sciences |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                          | Department of Mathematics  |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                             |                            |
| <i>List of Publication in Journals (Total count: 04)</i>                                                                                                                                                                                                                                                                                                                                                                                   |                            |
| 1. Mahapatra AD, <b>Kashyap AJ</b> , Choudhury G, Das S, Sarmah HK. Nonlinear dynamical analysis of a fractional-order El Niño Southern Oscillation system. The European Physical Journal Plus. 2025; 140:704. <a href="https://doi.org/10.1140/epjp/s13360-025-06617-1">https://doi.org/10.1140/epjp/s13360-025-06617-1</a><br>(Date of publication-28/07/2025  Publisher: Springer Nature  Impact factor- 2.9   Indexed in Scopus, SCIE) |                            |
| 2. <b>Kashyap AJ</b> , Chen F, Mohan F, Devi A, Sarmah HK. Combined effects of antipredator behaviors and cooperative hunting in a stage-structured predator-prey model. Mathematical Modelling and Control. 2025, 5(4): 338-354, <a href="https://doi.org/10.3934/mmc.2025023">https://doi.org/10.3934/mmc.2025023</a><br>(Date of publication-15/10/2025   Publisher: AIMS Press   Impact factor-2.7   Indexed in SCIE)                  |                            |
| 3. Euchuf M, <b>Kashyap AJ</b> , Devi A. Leslie-Gower Model for prey harvesting with predator cooperation and fear responses. Boletim Da Sociedade Paranaense de Matemática. 2025, 43(2). <a href="https://doi.org/10.5269/bspm.78991">https://doi.org/10.5269/bspm.78991</a><br>(Date of publication 01/11/2025  Publisher: BSPM   Impact factor -0.4   Indexed in                                                                        |                            |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <p>SCOPUS, ESCI)</p> <p>4. <b>Mahanta M</b>, Paul A. Unsteady MHD Flow of a Viscoelastic Fluid Through a Porous Medium Near an Oscillating Porous Plate. Journal of Fluid Flow, Heat and Mass Transfer (JFFHMT). 2025; 12: 417-422. <a href="https://doi.org/10.11159/jffhmt.2025.041">https://doi.org/10.11159/jffhmt.2025.041</a><br/>(Date of publication-03/12/2025  Publisher: Avestia   Impact factor (JIF)- 0.925   Indexed in scopus).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <p><b>Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others</b></p> <p>1. <b>Dr. Madhumita Mahanta</b> (Principal Investigator, GCU), Title ‘<b>Non-disclosure by R&amp;D</b>’.<br/>File Number : <b>Non-disclosure by R&amp;D for security reasons</b><br/>Submission Date : <b>03-Jul-2025</b> [SERB Qualified]<br/>Unique Identification Document: <b>Non-disclosure by R&amp;D for security reasons D</b></p> <p>2. <b>Dr. Ankur Jyoti Kashyap</b> (Principal Investigator, GCU), Title ‘<b>Non-disclosure by R&amp;D</b>’.<br/>File Number : <b>Non-disclosure by R&amp;D for security reasons</b><br/>Submission Date : <b>08-Jul-2025</b> [SERB Qualified]<br/>Unique Identification Document: <b>Non-disclosure by R&amp;D for security reasons</b></p> <p>3. <b>Dr. Madhumita Mahanta</b> (Principal Investigator, GCU), Title ‘<b>Non-disclosure by R&amp;D for security reasons</b>’, Submission Date : 17 December 2025 [NBHM Project Grant-aid]</p> <p>4. <b>Dr. Moytri Sarmah</b> (Principal Investigator, GCU), Title ‘<b>Non-disclosure by R&amp;D for security reasons</b>’, Submission Date : 23 December 2025 [NBHM Project Grant-aid]</p>               |
| <p><b>Information on Research paper presented (Invited Speaker/Oral/Poster) at State, Regional, National and International level Conference (Online/Offline/hybrid mode)</b></p> <p>1. <b>Dr. Ankur Jyoti Kashyap</b>: Coral Ecosystem Dynamics: Modelling CoTs and Wrasse Interactions with Coral Disease and Commensalism, 8th International Conference on Mathematical Modelling, Applied Analysis and Computation, organized by JECRC University, Jaipur (Raj.), India, 01.08.2025 – 03.08.2025 (<b>presented a paper, Offline</b>)</p> <p>2. <b>Dr. Ankur Jyoti Kashyap</b>: Understanding Climate Oscillations: Exploring Memory Effects in the El Niño–Southern Oscillation, National Conference on Reimagining the Global Environment: Opportunities and Challenges in India (ReGEO-2025), organized by Gauhati University, 06.11.2025 – 07.11.2025 (<b>Invited Speaker, Offline</b>)</p> <p>3. <b>Dr. Ankur Jyoti Kashyap</b>: Nonlinear Dynamical Systems and Mathematical Modelling: Theory, Applications and Simulations, Online Faculty Development Program on Transformative Paradigm &amp; Emerging Trends in Applied Sciences &amp; Engineering, organised by MIT School of Computing, MIT ADT University, 01.12.2025 –12.12.2025 (<b>Keynote Speaker, Online</b>)</p> |
| <p><b>Any other R&amp;D information on the achievements of the respective Department (inclusive of achievements/awards/recognition received by Ph.D scholars at conference, convention or university level R&amp;D competition etc.)</b></p> <p>1. <b>Dr. Ankur Jyoti Kashyap</b> Five-day FDP on RECENT ADVANCEMENT IN FLUID MECHANICS AND OPTIMIZATION (RAFMO), 14-18 July 2025, Amity Institute of Applied Sciences, Amity University Jharkhand</p> <p>2. <b>Madhumita Mahanta, Moytri Sarmah, Ankur Jyoti Kashyap</b>: 8-Day Online Training on NEP Orientation &amp; Sensitization Programme, UGC-MMTTC, Gauhati University, 03-12 December 2025</p> <p>3. <b>Dhanesh Doley &amp; Ankur Jyoti Kashyap</b>: Dynamics of a Stage-Structured PreyPredator Model under Fear Effect and Group Defence, 11th International Conference and 27th Annual</p>                                                                                                                                                                                                                                                                                                                                                                                                                               |



## Publication report for the academic session July-December 2025

- Conference on Gwalior Academy of Mathematical Sciences on Mathematical Modelling, Simulation and Computational Methods, organized by Department of Mathematics, Bioinformatics and Computer Applications, Maulana Azad National Institute of Technology, Bhopal, India, 25-27 September 2025 (**presented by the Research Scholar**)
4. **Suruj Lekharu** & Ankur Jyoti Kashyap: Dynamical Study of a Coral-Zooxanthellae Symbiosis Model under Pathogen Influence, 11th International Conference and 27<sup>th</sup> Annual Conference on Gwalior Academy of Mathematical Sciences on Mathematical Modelling, Simulation and Computational Methods, organized by Department of Mathematics, Bioinformatics and Computer Applications, Maulana Azad National Institute of Technology, Bhopal, India, 25-27 September 2025 (**presented by the Research Scholar**)
  5. **Himangshu Talukdar** & Moytri Sramah: 2-absorbing ideal in Near Ring, National Conference on Mathematics and Applications in Science, Technology and Society, organized by Assam Don Bosco University, 23-24 October 2025 (**presented by the Research Scholar**)
  6. **Shyamsundar Saha** & Moytri Sarmah: Line Graph on Clean Graph, National Conference on Mathematics and Applications in Science, Technology and Society, organized by Assam Don Bosco University, 23-24 October 2025 (**presented by the Research Scholar**)
  7. **Ashis Paul** & Madhumita Mahanta: Unsteady MHD Flow of a Viscoelastic Fluid Through a Porous Medium Near an Oscillating Porous Plate, 2nd International Conference on Mathematical Sciences, Applied Sciences, and Their Applications organized by the School of Studies in Mathematics, Samrat Vikramaditya Vishwavidyalaya, Ujjain (M.P.), India, 2–4 December, 2025 (**presented by the Research Scholar**)

### Departmental count

|                               |             |                                               |           |
|-------------------------------|-------------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>04</b>   | <b>Extramural projects approved/ongoing</b>   | <b>00</b> |
| <b>Review articles:</b>       | <b>00</b>   | <b>Research paper presented</b>               | <b>03</b> |
| <b>Total impact factor:</b>   | <b>6.93</b> | <b>No of conference/FDP/workshop attended</b> | <b>07</b> |
| <b>Conference proceedings</b> | <b>07</b>   | <b>No of existing JRF/SRF</b>                 | <b>00</b> |
| <b>Book Chapters:</b>         | <b>00</b>   | <b>Awards &amp; Recognition</b>               | <b>00</b> |
| <b>Books / Edited Books</b>   | <b>00</b>   |                                               |           |
| <b>Patents</b>                | <b>00</b>   |                                               |           |



## Publication report for the academic session July-December 2025

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | School of Natural Sciences |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Department of Chemistry    |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                            |
| <b>List of Publication in Journals (Total count: 01)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |
| 1. Neupane K, Bhattarai S, Poudel J, Dakua PK, Sharma CM, Sheikh N, <b>Devi N</b> , Nath N, Tanti B, Tamang SK. Exploring novel perovskite solar cells using polymer hole transport layer: a computational approach. Next Research, 2(4), 2025, 100880.<br><a href="https://doi.org/10.1016/j.nexres.2025.100880">https://doi.org/10.1016/j.nexres.2025.100880</a><br>(Date of publication- Dec 2025, Vol 2, Issue 4   <b>Publisher:</b> Elsevier   <b>Impact factor-</b> NA   Indexed in Scopus).                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |
| <b>List of Publication in Journal Proceedings (Total count: 01)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                            |
| 1. <b>Nirmala Devi</b> . Towards sustainable Chemistry to SDGs: Greening reactions to Products. Proceedings of the International Conference on Environment and Sustainable Development: Addressing Global Changes through Collaborative Action. Organized by Gauhati University in collaboration with UNDP, 18-19 September 2025. p.50-51.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                            |
| <b>List of Publication as Book Chapters (Total count: 02)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |
| 1. <b>Pathak S</b> . Chapter 5: Role of Non-metal Ion Doping and Dye Sensitization in Photocatalytic Water Splitting for Hydrogen Production: A Mini Review, In: Dr. Milan Hait, Dr. G. Roymahapatra, Dr. U. Jana, Modern Trends in Chemical Sciences, Vol-8. AkiNik Publications 2025- p. 87-103. Paperback ISBN: 978-93-7150-413-3, E-Book ISBN: 978-93-7150-950-3, DOI: <a href="https://doi.org/10.22271/ed.book.3458">https://doi.org/10.22271/ed.book.3458</a><br>2. Bharali A, Kushari S, Biswas N, Sahu BP, <b>Devi N</b> , Laloo D. Chapter 16: Graphene-based hydrogels in catalysis process and drug delivery systems. In Graphene Hydrogels, Tejraj M. Aminabhavi, Madhavi Vemula, A. Vijaya Bhaskar Reddy, Ramesh Thotakura (Eds.), ISBN: 9780443314483, Elsevier, 2026, 451-474. <a href="https://doi.org/10.1016/B978-0-443-31448-3.00001-X">https://doi.org/10.1016/B978-0-443-31448-3.00001-X</a> |                            |
| <b>Information on Extramural Projects (ongoing, approved/accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                            |
| <b>Completed: 01</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                            |
| 1. <b>Dr. Nirmala Devi</b> (Principal Investigator). Development of indigenous plant oil-based soaps for livelihood security and employment generation in Assam.<br>Funding agency: Assam Science Technology & Environment Council, Govt. of Assam. (ASTEC), Amount sanctioned: Rs. 1,00,000/-<br>Duration: 2 years, Date of sanctioned with sanctioned no.: 19.10.2023, sanctioned no. ASTEC/S&T/1614/14/2021-22/3071<br><b>Date of Completion: 18.10.2025</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                            |
| <b>Ongoing: 02</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |
| 1. <b>Dr. Nirmala Devi</b> (Principal Investigator). Sustainable Materials and Reinforced Polymer Composites Based on Bamboo and Plastic Wastes: Exploration and Value-Addition” funded by GCU under SEED Grant. (Start date: 22/05/2025, 2 Years, Ongoing). Total Project Fund: Rs.80,000/- (Rs. eighty thousand Only).<br>2. <b>Dr. Nirmala Devi</b> (Principal Investigator). Exploration of Ancient Pottery Technology of Assam: A Historical Perspective” funded by the <b>Indian National Science Academy</b>                                                                                                                                                                                                                                                                                                                                                                                                |                            |



## Publication report for the academic session July-December 2025

(INSA), Bahadur Shah Zafar Marg, New Delhi. (Ongoing from 10.11. 2025). Amount: Rs. 9,10,800/- (if for three years, yearly renewal)

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

1. **Dr. Nirmala Devi.** Towards sustainable Chemistry to SDGs: Greening reactions to Products. International Conference on Environment and Sustainable Development: Addressing Global Changes through Collaborative Action', Gauhati University. Dated 18th September 2025. (Presented and acted as resource person).
2. **Dr. Nirmala Devi.** Indigenous Knowledge based sustainable natural dyes and their applications. Two-day international seminar on "Indigenous science development: Intersecting traditional ecological knowledge, scientific inquiry and socio-cultural practices" held at St. Edmunds College, Shillong during 24th - 25th Oct, 2025. (Oral presentation).
3. **Dr. Nirmala Devi.** Delivered lecture as Resource Person on title "Towards Sustainability and SDGs through Green Chemistry and Engineering" as a Resource Person for the UGC Sponsored Refresher Course on Building Human Resilience to Climate Change during the period from 27/08/2025 to 11/09/2025 in Online-Mode organized by the UGC-MMTCC, Gauhati University. Delivered lecture on 4.09.2025 (Invited Resource Person).
4. **Dr. Nirmala Devi.** Delivered lecture as Resource Person on title "Science for Sustainability in Northeast India: Innovations, Motivation and Challenges" as a Resource Person for the RUSA Sponsored Refresher Course on Social Change and Development in North East India: Issues, Challenges & Future Prospects to be conducted by this centre in physical mode during the period from 03/09/2025 to 19/09/2025, organized by the UGC-MMTCC, Gauhati University (in person, offline). Delivered lecture on 16.09.2025 (Invited Resource Person).
5. **Dr. Nirmala Devi.** Delivered lecture as Resource Person on title "Rise of Knowledge Economy: Quality vs Quantity in Research" as a Resource Person for the RUSA Sponsored Refresher Course on Social Change and Development in North East India: Issues, Challenges & Future Prospects to be conducted by this centre in physical mode during the period from 03/09/2025 to 19/09/2025, organized by the UGCMMTCC, Gauhati University (in person, offline). Delivered lecture on 16.09.2025 (Invited Resource Person).
6. **Dr. Nirmala Devi.** Acted as Resource Person Acted in the Five-Day Meeting for the preparation of the Glossary of Chemistry during 18-22 August 2025 under the aegis of the Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Government of India organized at Department of Chemistry, Girijananda Chowdhury University.

### ***Information on JRF/SRF/PDF/Research Associate and other research fellowships enrolled in the University***

1. **Dr. Juri Kalita** joined as Research Assistant in the INSA funded project. Date of joining: 10.11.2025.

### ***Any Other R & D information of the Department***

1. **Dr. Nirmala Devi** (Acted as Coordinator). UGC Sponsored 8-Day Online Training Programme on NEP Orientation & Sensitization Programme from 3 December 2025 to 12 December 2025 (December-A Slot) was organized by GCU in collaboration with UGC MMTTC Gauhati University.
2. **Dr. Nirmala Devi** (Acted as Coordinator). Five-Day Meeting for the preparation of the Learner's Glossary of Chemistry during 25-29 August 2025 under the aegis of the



## Publication report for the academic session July-December 2025

Commission for Scientific and Technical Terminology (CSTT), Ministry of Education, Government of India was organized at Department of Chemistry, Girijananda Chowdhury University.

### Departmental count

|                        |    |                                        |    |
|------------------------|----|----------------------------------------|----|
| Research articles:     | 01 | Extramural projects approved/ongoing   | 03 |
| Review articles:       | 00 | Research paper presented               | 06 |
| Total impact factor:   | 00 | No of conference/FDP/workshop attended | 02 |
| Conference proceedings | 01 | No of existing JRF/SRF                 | 01 |
| Book Chapters:         | 02 | Awards & Recognition                   | 00 |
| Books / Edited Books   | 00 |                                        |    |
| Patents                | 00 |                                        |    |

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| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | School of Natural Sciences |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Department of Zoology      |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                            |
| <b>List of Publication in Journals (Total count: 06)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |
| 1. Kalita D, <b>Bordoloi S</b> , Saharia S, Kalita S, Sharmin S, Swargiary D, Sutadhar T, Deka K. Identification and pathogenicity assessment of bacterial strain P1 isolated from the gut of diseased Eri silkworm, <i>Samia racini</i> . <i>Journal of Applied Biology and Biotechnology</i> . 2025; 13(4), 110-116 <a href="https://doi.org/10.7324/JABB.2025.213907">https://doi.org/10.7324/JABB.2025.213907</a><br>(Date of publication-08/08/2025   Publisher: Open Science Publishers LLP   Impact Factor-0   Indexed in Scopus, Web of Science).                          |                            |
| 2. Sharmin S, <b>Bordoloi S</b> , Kalita D M, Saharia S, Ahmed R. Effect of Methoprene on cocoon parameter of Muga silk worm <i>Antheraea assamensis</i> Helfer. <i>Indian Journal of Entomology</i> . 2025; 88,1148-1152 <a href="https://doi.org/10.55446/IJE.2025.3309">https://doi.org/10.55446/IJE.2025.3309</a><br>(Date of publication - 08/11/2025   Publisher: The Entomological Society of India   Impact Factor- 0   Indexed in Scopus, Web of Science).                                                                                                                |                            |
| 3. Kalita D K, <b>Bordoloi S</b> , Sahariya S, Kalita S, Sharmin S. Identification and pathogenicity of <i>Enterobacter cloacae</i> isolated from diseased Eri silkworm <i>Samia ricini</i> . <i>Indian Journal of Entomology</i> . 2025; 88,1090– 1094. <a href="https://doi.org/10.55446/IJE.2025.3448">https://doi.org/10.55446/IJE.2025.3448</a><br>(Date of publication- 08/11/2025   Publisher: The Entomological Society of India   Impact factor- 0   Indexed in Scopus, Web of Science).                                                                                  |                            |
| 4. <b>Mahanta B</b> , Singh SA, Choudhury K. Efficacy of <i>Mimosa pudica</i> Methanolic extract on BPA induced benign prostate hyperplasia in albino mice. <i>Uttar Pradesh Journal of Zoology</i> . 2025;46(21), 64-73. <a href="https://doi.org/10.56557/upjz/2025/v46i215330">https://doi.org/10.56557/upjz/2025/v46i215330</a><br>(Date of publication- 03/11/2025   Publisher: MB International Media and Publishing House   Impact factor- 0   Indexed in Web of Science).                                                                                                  |                            |
| 5. Gogoi H, Sarmah MP, <b>Mahanta B</b> , Choudhury K, Shreen T. A comparative study on Biochemical analysis and antimicrobial activity of epidermal mucus of two freshwater fish species ( <i>Channa punctata</i> and <i>Cyprinus carpio</i> ). <i>International Journal of Zoological Investigations</i> . 2025; 11(2), 1255-1263. <a href="https://doi.org/10.33745/ijzi.2025.v11i02.125">https://doi.org/10.33745/ijzi.2025.v11i02.125</a><br>(Date of publication- 27/12/2025   Publisher: Saran Publication  Impact factor- 0   Indexed in Web of Science, Index Copernicus) |                            |
| 6. Ahmed G, Ahmad J, Sarkar P, <b>Mazid S</b> . New distributional record of <i>Hippotion Boerhaviae</i> (Fabricius) (Lepidoptera: Sphingidae) from Meghalaya, India. <i>Annals of Entomology</i> . 2025;                                                                                                                                                                                                                                                                                                                                                                          |                            |



## Publication report for the academic session July-December 2025

43(2): 77-80. <https://doi.org/10.59467/AE.2025.43.77>

(Date of publication- December 2025 | Publisher: Connect Journals | Indexed in Web of Science).

***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. Salma Mazid.** One week FDP on NEP orientation and sensitization programme. Organized by UGC-MMTTC, Assam University Silchar and KKHSOU. 18-26 august 2025.
2. **Dr. Bhagyashree Mahanta.** Five day FDP on Research Structuring and Publication process, Organized by CRT, NFED Coimbatore, Tamil Nadu. 24-25 Nov. 2025
3. **Dr. Bhagyashree Mahanta.** FDP on NEP 2020 Orientation and Sensitization Programme under Malaviya Mission teacher Training Programme of UGC, Organized by MMTTC, Gauhati University from 03-12 Dec. 2025
4. **Dr. Salma Mazid.** FDP on NEP 2020 Orientation and Sensitization Programme under Malaviya Mission teacher Training Programme of UGC, Organized by MMTTC, Gauhati University from 03-12 Dec. 2025

**Departmental count**

|                        |    |                                        |    |
|------------------------|----|----------------------------------------|----|
| Research articles:     | 06 | Extramural projects approved/ongoing   | 00 |
| Review articles:       | 00 | Research paper presented               | 00 |
| Total impact factor:   | 00 | No of conference/FDP/workshop attended | 04 |
| Conference proceedings | 00 | No of existing JRF/SRF                 | 00 |
| Book Chapters:         | 00 | Awards & Recognition                   | 00 |
| Books / Edited Books   | 00 |                                        |    |
| Patents                | 00 |                                        |    |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | School of Natural Sciences |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Department of Botany       |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                            |
| <b><i>Information on Research paper presented (Invited Speaker/Oral/Poster) at State, Regional, National and International level Conference (Online/Offline/hybrid mode)</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |
| <ol style="list-style-type: none"> <li>1. <b>Dr. Birina Bhuyan</b> delivered an expert talk, Workshop of Medicinal and Endangered Plants on occasion of National Pharmacy Week (NPW) 2025, organised by School of Pharmaceutical Sciences, GCU, 22<sup>nd</sup> November, 2025.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                            |                            |
| <b><i>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</i></b>                                                                                                                                                                                                                                                                                                                                                                                                               |                            |
| <ol style="list-style-type: none"> <li>1. <b>Jyotima Nath attended</b> One week FDP on NEP orientation and sensitization programme. Organized by UGC-MMTTC, Assam University Silchar and KKHSOU. 18<sup>th</sup> -26<sup>th</sup> august 2025.</li> <li>2. <b>Dr. Birina Bhuyan</b> attended five days national <b>FDP</b> on “Research Structuring and Publication Process” organized by Centre for research and Training, National Foundation for Entrepreneurship Development (NFED), Tamil Nadu, 24<sup>th</sup>- 28<sup>th</sup> November 2025.</li> <li>3. <b>Dr. Birina Bhuyan</b> attended FDP on NEP 2020 Orientation and Sensitization Programme</li> </ol> |                            |



## Publication report for the academic session July-December 2025

under Malaviya Mission teacher Training Programme of UGC, Organized by MMTTC, Gauhati University from 03-12 Dec. 2025

4. **Jyotima Nath.** Attended FDP on NEP 2020 Orientation and Sensitization Programme under Malaviya Mission teacher Training Programme of UGC, Organized by MMTTC, Gauhati University from 03-12 Dec. 2025

### Departmental count

|                        |    |                                        |    |
|------------------------|----|----------------------------------------|----|
| Research articles:     | 00 | Extramural projects approved/ongoing   | 00 |
| Review articles:       | 00 | Research paper presented               | 01 |
| Total impact factor:   | 00 | No of conference/FDP/workshop attended | 04 |
| Conference proceedings | 00 | No of existing JRF/SRF                 | 00 |
| Book Chapters:         | 00 | Awards & Recognition                   | 00 |
| Books / Edited Books   | 00 |                                        |    |
| Patents                | 00 |                                        |    |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                          | School of Natural Sciences |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                      | Department of Physics      |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                         |                            |
| <i>List of Publication as Book Chapters (Total count: 01)</i>                                                                                                                                                                                                                                                                                          |                            |
| 1. <b>Lipi Goswami.</b> Theoretical understanding of Low Dimensional structures, Quantum Confinement & Quantum Dots. Vesper Journal. 2025;9 (11): 217-223.<br>(Date of publication- November 2025   <b>Publisher:</b> Saran Publication)                                                                                                               |                            |
| <i>Information on Research paper presented (Invited Speaker/Oral/Poster) at State, Regional, National and International level Conference (Online/Offline/hybrid mode)</i>                                                                                                                                                                              |                            |
| 1. Parinta Kalita, <b>Lipi Goswami.</b> A Review on Eco- friendly Routes to synthesize nanoparticles. Poster presentation in the International Conference on Science, Technology and Innovation and policy for Global Health and Sustainability, 2025, organised by Faculty of Science, Down Town University, Guwahati on 27th and 28th October, 2025. |                            |

### Departmental count

|                        |    |                                        |    |
|------------------------|----|----------------------------------------|----|
| Research articles:     | 00 | Extramural projects approved/ongoing   | 00 |
| Review articles:       | 00 | Research paper presented               | 01 |
| Total impact factor:   | 00 | No of conference/FDP/workshop attended | 00 |
| Conference proceedings | 00 | No of existing JRF/SRF                 | 00 |
| Book Chapters:         | 01 | Awards & Recognition                   | 00 |
| Books / Edited Books   | 00 |                                        |    |
| Patents                | 00 |                                        |    |



## Publication report for the academic session July-December 2025

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|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>School</b>                                                  | School of Management and Commerce                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Department</b>                                              | Business Administration                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Publication information</b>                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>List of Publication in Journals (Total count: 03)</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1                                                              | <b>Ahmed F.</b> Human rights at the forefront: Examining opportunities and challenges in North East India. Margherita College. 2025; 56–64.<br>(Date of publication-3/09/2025   Publisher: Margherita College  Impact factor-N/A   Indexed in-N/A)                                                                                                                                                                                                       |
| 2                                                              | <b>Ahmed F, Kalita B.</b> Revenue generation through non-aeronautical services at airports in the North Eastern Region of India: A study on Airports Authority of India (AAI). International Journal of Multidisciplinary Research. 2025; 3(10); 177.<br><a href="https://doi.org/10.5281/zenodo.17598376">https://doi.org/10.5281/zenodo.17598376</a><br>(Date of publication-11/10/2025   Publisher: The Academic  Impact factor-N/A   Indexed in-N/A) |
| 3                                                              | <b>Ahmed F.</b> The role of emotions in consumer decision making: A comparative study of online and offline shopping. PDUAMT Business Review. 2025; 176–187. ISSN: 2582-113X.<br>(Date of publication- 07/12/2025   Publisher: Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya (PDUAM), Tulungia, Assam  Impact factor-N/A   Indexed in-N/A)                                                                                                            |
| 4                                                              | <b>Baruah A, Sarma A.</b> Mapping Gen Z's online shopping and e-commerce expectations: Regional insights from Kamrup Metro, Assam. <i>International Journal for Multidisciplinary Research</i> . 2025; 7(3). <a href="https://doi.org/10.36948/ijfmr.2025.v07i03.49274">https://doi.org/10.36948/ijfmr.2025.v07i03.49274</a><br>(Date of publication- 28/06/2025   Publisher: Sky Publications and Journals  Impact factor-N/A   Indexed in-N/A)         |
| 5                                                              | <b>Sarma AD, Sarma A.</b> Masstige meets media: Exploring the power of social platforms in driving fashion purchases. <i>Lex Localis – Journal of Local Self-Government</i> . 2025; 23(S5): 2687–2701. <a href="https://doi.org/10.52152/801647">https://doi.org/10.52152/801647</a><br>(Date of publication- 12/08/2025   Publisher: LEx Localis  Impact factor-N/A   Indexed in Scopus)                                                                |
| 6                                                              | <b>Sarma AD, Sarma A.</b> Social media marketing and brand equity: Evidence from masstige fashion brands among women consumers in urban Assam. <i>International Journal of Environmental Sciences</i> . 2025; 11(20s). <a href="https://doi.org/10.64252/6kmvsq43">https://doi.org/10.64252/6kmvsq43</a><br>(Date of publication- 04/08/2025   Publisher: IJES   Impact factor-N/A   Indexed in-N/A)                                                     |
| <b>List of Publication in a Book Chapter (Total count: 02)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1                                                              | <b>Ahmed F.</b> Exploring the sports industry in Assam: Opportunities and obstacles. In: Economic transition of North East India: Opportunities and challenges. 2025 Sep. p99–109. ISBN: 978-93-48856-25-8.                                                                                                                                                                                                                                              |
| 2                                                              | <b>Ahmed F.</b> AI-powered adaptive learning system: Efficacy and limitations. In: Education in the age of transformation: Emerging directions and future strategies. 2025 Nov. p. 115–124. Academic Enclave.                                                                                                                                                                                                                                            |
| 3                                                              | <b>Sarma A, Sarma A, Sharan S.</b> Integrating traditional values in modern education system: The role of educators in implementing sustainable development through NEP 2020. In: <i>Sustainable Development Goals, Health &amp; Education – Practices and Challenges</i> . Professional Prints, New York, USA. 2025.                                                                                                                                    |
| 4                                                              | <b>Sarma A, Sarma A.</b> Integrating entrepreneurship education into school curriculum of Assam: A vital step towards 'Viksit Bharat' by 2047. In: <i>Entrepreneurial Transformation in North East India – Innovations and Pathways to Viksit Bharat 2047</i> . Authors Press, New Delhi, India. 2025.                                                                                                                                                   |



## **Publication report for the academic session July-December 2025**

***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. **Ahmed F.** NEP 2020 Orientation and Sensitization Programme. Malaviya Mission Teacher Training Program (MMTTP), University Grants Commission; 2025 Jul 21–30; MMTTC, Central University of Punjab. Certificate No.: CUBP/MMTTC/2025/P18/060

### **Departmental count**

|                               |           |                                               |           |
|-------------------------------|-----------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>06</b> | <b>Extramural projects approved/ongoing</b>   | <b>00</b> |
| <b>Review articles:</b>       | <b>00</b> | <b>Research paper presented</b>               | <b>00</b> |
| <b>Total impact factor:</b>   | <b>00</b> | <b>No of conference/FDP/workshop attended</b> | <b>01</b> |
| <b>Conference proceedings</b> | <b>00</b> | <b>No of existing JRF/SRF</b>                 | <b>00</b> |
| <b>Book Chapters:</b>         | <b>04</b> | <b>Awards &amp; Recognition</b>               | <b>00</b> |
| <b>Books / Edited Books</b>   | <b>00</b> |                                               |           |
| <b>Patents</b>                | <b>00</b> |                                               |           |



## Publication report for the academic session July-December 2025

|                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                        | School of Management and Commerce |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                    | Department of Commerce            |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| <b>List of Publication in Journals (Total count: 05)</b>                                                                                                                                                                                                                                                                                                                                                                                             |                                   |
| 1. <b>Khaund M, Aziz S.</b> A Study on the Role of AI Recommendations in Influencing Online Shopping Behaviour. Nagaland University Journal of Management (NUJOM). 2025; 100-113.<br>(Date of publication- August 2025   <b>Publisher:</b> Nagaland University   <b>Impact factor</b> N/A   Peer Reviewed  Indexed in-N/A).                                                                                                                          |                                   |
| 2. <b>Khaund M, Bhattarai, S.</b> Entrepreneurial Intention among college students in Guwahati City: An Empirical Study. Journal of Business, Management, Commerce and Research. 2025; 28-35.<br>(Date of publication- September 2025   <b>Publisher:</b> Research Forum India   <b>Impact factor</b> – N/A   Peer Reviewed  Indexed in- Index Copernicus International)                                                                             |                                   |
| 3. <b>Khaund M, Baruah R, Hussain J.</b> AI-Enabled Financial Advisory Tools and Their Influence on Investment Decisions: An Empirical Study in India. Journal of Business, Management, Commerce and Research. 2025; 70-81.<br>(Date of publication- December 2025   <b>Publisher:</b> Research Forum India   <b>Impact factor</b> - N/A   Peer Reviewed  Indexed in Index Copernicus International)                                                 |                                   |
| 4. <b>Ojha S.</b> Triple bottom line as a determinant of investment behaviour: A case study of retail investors in Assam. International Journal for Multidisciplinary Research. 2025;7(5).<br><a href="https://doi.org/g93w9j">https://doi.org/g93w9j</a><br>(Date of publication- 15/09/2025   <b>Publisher:</b> IJFMR   <b>Impact factor</b> - N/A   Indexed in Index Copernicus).                                                                 |                                   |
| 5. <b>Phukan K, Debnath A, Sarma BL.</b> Assessing the Adoption of Bhagavad Gita's Principles in the Management of Public Enterprises in Assam: A Survey of Executives. Journal of Applied Bioanalysis. 2025; 11(4s): 760-780. <a href="http://doi.org/10.53555/jab.v11si4.1043">http://doi.org/10.53555/jab.v11si4.1043</a><br>(Date of publication- 19/12/2025   <b>Publisher:</b> Green Publication  <b>Impact factor</b> -0  Indexed in Scopus). |                                   |
| <b>Information on Research Paper presented at National / International Seminar / Conference ( online/ offline/ hybrid mode)</b>                                                                                                                                                                                                                                                                                                                      |                                   |
| 1. <b>Dr. Manoj Khaund and Sartaz Aziz.</b> AI Powered Influencer Marketing: Analyzing its Effectiveness in Shaping Gen Z Purchase Decisions- A Study in Guwahati City of Assam. International Conference on Leveraging Emerging Technologies and Analytics for Development (LEAD-2025) organised by Indian Institute of Management Shillong. Dated 10-12-2025 – 12-12-2025. ( <b>Oral Presentation</b> ).                                           |                                   |

### Departmental count

|                               |           |                                               |           |
|-------------------------------|-----------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>05</b> | <b>Extramural projects approved/ongoing</b>   | <b>00</b> |
| <b>Review articles:</b>       | <b>00</b> | <b>Research paper presented</b>               | <b>01</b> |
| <b>Total impact factor:</b>   | <b>00</b> | <b>No of conference/FDP/workshop attended</b> | <b>00</b> |
| <b>Conference proceedings</b> | <b>00</b> | <b>No of existing JRF/SRF</b>                 | <b>00</b> |
| <b>Book Chapters:</b>         | <b>00</b> | <b>Awards &amp; Recognition</b>               | <b>00</b> |
| <b>Books / Edited Books</b>   | <b>00</b> |                                               |           |
| <b>Patents</b>                | <b>00</b> |                                               |           |



## Publication report for the academic session July-December 2025

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | School of Humanities & Social Sciences |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Department of Political Science        |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |
| <b><i>List of Publication in a Journals (Total count: 02)</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |
| <ol style="list-style-type: none"> <li>1. <b>Khundrakpam P</b>, Sarmah JK. The Gandhi– Ambedkar Debate: Revisit, Re-Examination, and Reconciliation. Social Change. 2025; 55(4): 579-594.<br/> <a href="https://doi.org/10.1177/00490857251386497">https://doi.org/10.1177/00490857251386497</a><br/>           (Date of publication: 02/09/2025   Publisher : Sage   Impact factor: NA   Indexed in Scopus)</li> <li>2. <b>Sarmah S</b>. The Indian Diaspora: A Tool of Soft Power. The Indian Journal of Political Science, (2025); LXXXVI (3): 623-628. ISSN: 0019-5510<br/>           (Date of publication: September 2025)</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |
| <b><i>List of Publication as a Book/Edited Book (Total count: 03)</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |
| <ol style="list-style-type: none"> <li>1. <b>Shantanu Chakravarty</b>, Parishmita Bhagawati, Megha Choudhury. Textbook of Political Science as per the revised CBSE &amp; AHSEC Syllabus for Class XI. Bookland, Guwahati. 2025. ISBN: 939008776-7</li> <li>2. <b>Shantanu Chakravarty</b>, Parishmita Bhagawati, Megha Choudhury. Textbook of Political Science as per the revised CBSE &amp; AHSEC Syllabus for Class XII. Bookland, Guwahati. 2025. ISBN: 934942469-X</li> <li>3. Anisha Bordoloi, Dr. Bhaswati Sarmah, Dr. Bondita Baruah (2025). Asia in Perspective: Culture, Economy and Society. Today and Tomorrow's Printers and Publishers, New Delhi. ISBN: 9789348596598</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |
| <b><i>Information on Research paper presented (Invited Speaker/Oral/Poster) at State, Regional, National and International level Conference (Online/Offline/hybrid mode)</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |
| <ol style="list-style-type: none"> <li>1. <b>Prof. Shantanu Chakravarty</b> had delivered a Keynote Speech on “<i>Safeguarding Democracy: The Role of Indian Constitution</i>” on the occasion of the ConstitutionDay organised by the Department of Political Science, Dispur College, Assam, Dated: 26.11.2025.</li> <li>2. <b>Dr. Bhaswati Sarmah</b> had delivered a speech as a Resource Person in Two DayNational Seminar on Indian Democracy in the Digital Era: Opportunities andChallenges, organised by the P.G. Dept. of Political Science, M.P.C. Autonomous College, Baripada, Mayurbhanj, Odisha, India sponsored by Odisha State HigherEducation Council, Govt. of Odisha.</li> <li>3. <b>Dr. Bhaswati Sarmah</b> had delivered a speech on “<i>Act East Policy of India: Assamin Perspective</i>” as a panellist at a Webinar on “<i>Act East Policy: A NortheasternPerspective</i>” organised by the Chintan Research Foundation, New Delhi on 7thNovember, 2025.</li> <li>4. <b>Dr. Bhaswati Sarmah</b> was invited as a panellist in a One Day RoundtableDiscussion on “<i>Northeast in India’s Foreign Policy</i>” organised by the ChintanResearch Foundation in collaboration with Omeo Kumar Das Institute of SocialChange and Development on 19th December, 2025.</li> </ol> |                                        |
| <b><i>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</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                        |
| <ol style="list-style-type: none"> <li>1. <b>Dr. Prakash Khundrakpam</b> was invited at the prestigious Srinakharinwirot University, Bangkok to be a part of a 3-Member Indian Team to visit Bangkok as part of an academic</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |



## Publication report for the academic session July-December 2025

project. The visit, from 15-Nov-21 to 21-Nov-21 was for a project entitled “Thailand-Northeast India Relations: Historical Ties, Contemporary Relations and Future Opportunities”, which is fully funded by Srinakharinwirot University.

### ***Information on JRF/SRF/PDF/Research Associate and other research fellowships enrolled in the University***

1. **Ms. Shahina Nasrin** and **Ms. Pori Sayema Raiyan** has been receiving research fellowship from Girijananda Chowdhury University.

### ***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. Shahina Nasrin** (2025). Global Health Threat: Understanding Pandemics in the 21st Century. In the book titled *Dynamics of International Relations: Continuity and Change in a Globalized World* edited by Niaz Ahmed and Joinal Hussain Laskar and published by Mittal Publications, New Delhi.
2. **Ms. Shrabana Yasmin** (2025). From Field to Stages: How Modernization is Redefining Bihu in Assam. In the book titled *Ethnicity, Identity and Tradition* edited by Dipjyoti Das and Arpita Singha and published by PC Printsoft, Dibrugarh.
3. **Ms. Shrabana Yasmin** (2025). State Security and Regional Stability in South Asia: Navigating Historical Legacies and Contemporary Threats in the book titled *Foreign Policy of India: From Panchsheel to Panchamrit* edited by Dr. Nazmul Hussain Laskar and published by Authorspress, New Delhi.

### **Departmental count**

|                               |           |                                               |           |
|-------------------------------|-----------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>02</b> | <b>Extramural projects approved/ongoing</b>   | <b>00</b> |
| <b>Review articles:</b>       | <b>00</b> | <b>Research paper presented</b>               | <b>04</b> |
| <b>Total impact factor:</b>   | <b>00</b> | <b>No of conference/FDP/workshop attended</b> | <b>01</b> |
| <b>Conference proceedings</b> | <b>00</b> | <b>No of existing JRF/SRF</b>                 | <b>02</b> |
| <b>Book Chapters:</b>         | <b>00</b> | <b>Awards &amp; Recognition</b>               | <b>00</b> |
| <b>Books / Edited Books</b>   | <b>03</b> |                                               |           |
| <b>Patents</b>                | <b>00</b> |                                               |           |

|                                                                                                                                                                                                                                                                                                                                                                                                |                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                  | School of Humanities & Social Sciences |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                              | Department of Education                |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                 |                                        |
| <b><i>Published as an Editor in Edited Book (Total count: 01)</i></b>                                                                                                                                                                                                                                                                                                                          |                                        |
| 1. <b>Chitrakar, N.</b> (2025). Education in the Age of Transformation Emerging Directions and Future Strategies. 1 <sup>st</sup> ed. Academic Enclave, New Delhi, India, 2025. ISBN No. 978-93-48642-64-6.                                                                                                                                                                                    |                                        |
| <b><i>Research paper presented (Invited Speaker/Oral/Poster) at State, Regional, National and International level Conference (Online/Offline/hybrid mode)</i></b>                                                                                                                                                                                                                              |                                        |
| 1. <b>Nandita Chitrakar.</b> Bridging the Digital Divide: Digital Transformation and Rural Livelihoods in Assam. ICSSR sponsored National Seminar on Sustainable Livelihoods in Rural Assam: Challenges, Opportunities, and Pathways to Development. Organized by Department of Economics in association with IQAC Dhing College, Dhing. Dated: 21.08.2025 – 22.08.2025. (Paper presentation). |                                        |
| 2. <b>Nandita Chitrakar.</b> The Association between Emotional Intelligence and Psychological                                                                                                                                                                                                                                                                                                  |                                        |



## Publication report for the academic session July-December 2025

Well Being in Adolescents: A Meta Analysis. Three Day Multidisciplinary International Seminar on North East India and Beyond: Past, Present and Future. Organized by Rajiv Gandhi University Research Scholars Forum in collaboration with the Department of Mass Communication, Rajiv Gandhi University. Dated: 14.11.2025-16.11.2025. (Paper 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. **Nandita Chitrakar** attended 10 days online FDP on NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme of UGC, organized by MMTTC Gauhati University from 03.12.2025 – 12.12.2025.

### Departmental count

|                        |    |                                        |    |
|------------------------|----|----------------------------------------|----|
| Research articles:     | 00 | Extramural projects approved/ongoing   | 00 |
| Review articles:       | 00 | Research paper presented               | 02 |
| Total impact factor:   | 00 | No of conference/FDP/workshop attended | 01 |
| Conference proceedings | 00 | No of existing JRF/SRF                 | 00 |
| Book Chapters:         | 00 | Awards & Recognition                   | 00 |
| Books / Edited Books   | 01 |                                        |    |
| Patents                | 00 |                                        |    |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                  | School of Humanities & Social Sciences  |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                                              | Department of Sociology and Social Work |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |
| <b><i>List of Publication in a Book Chapter (Total count: 01)</i></b>                                                                                                                                                                                                                                                                                                                                                                                          |                                         |
| 1. <b>Marbaniang MA.</b> The Role of Teachers in supporting student Mental Health. In: Kalita S, Chitrakar N, Nisanth NPM, editors. Education in the age of Transformation: Emerging directions and future strategies. Academic Enclave; 2025. p. 59-64. ISBN: 978-93-48642-64-6                                                                                                                                                                               |                                         |
| <b><i>Any other publication information pertaining to research (Newspaper/Magazine/webpage/etc.)</i></b>                                                                                                                                                                                                                                                                                                                                                       |                                         |
| 1. Choudhury AC. Techno-femininity: Exploring the Media Market of Beauty and Bodies. Doing Sociology; Dec 11 2025. Available from: <a href="https://doingsociology.org/2025/12/11/techno-femininity-exploring-the-mediapmarket-of-beauty-and-bodies-ahana-choudhury">https://doingsociology.org/2025/12/11/techno-femininity-exploring-the-mediapmarket-of-beauty-and-bodies-ahana-choudhury</a>                                                               |                                         |
| <b><i>Research paper presented (Invited Speaker/Oral/Poster) at State, Regional, National and International level Conference (Online/Offline/hybrid mode)</i></b>                                                                                                                                                                                                                                                                                              |                                         |
| 1. <b>Ahana Choudhury.</b> The Digital(ness) of Aging and Care : Bodies, Media and Everyday Life. The Fourth Annual Conference on Ageing; Reimagining Gender, Ageing and Care: Perspectives from the Global South. Organized by The International Institute of Migration and Development, Kerala, Institute of Social Studies Trust, New Delhi, United Nations Population Fund and UN Women. Dated: 04.12.2025 – 05.12.2025. (Oral presentation/Offline mode). |                                         |
| <b><i>Information on Extramural Projects (ongoing ,approved/ accepted and proposed) sponsored by Government/Non-government/Corporate houses/International bodies/Others</i></b>                                                                                                                                                                                                                                                                                |                                         |
| <b><i>Ongoing</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                         |



## Publication report for the academic session July-December 2025

1. **Rachel Kabi** (Principal Investigator, GCU), Palakshi Sarmah (Co-Investigator, GCU). Impact of Ethnic Violence on the Psycho-social well-being of youth in Manipur.  
Funding agency: Indian Council of Social Science Research (ICSSR), New Delhi  
**[Government]**  
Amount sanctioned: Rs. 10,00,000/-  
Duration: 1 year.  
Date of sanctioned with sanctioned no.: 22.04.2025 sanctioned no. 23/2024-25/ICSSR/RP/MN/GEN
2. **Rachel Kabi** (Principal Investigator, GCU), Palakshi Sarmah (Co-Investigator, GCU). Kritanjali Jaiswal (Co-Investigator, GCU). Evaluation of Functionality and Sociological Impact of the “Amar Jal Amar Bhandar” Initiative in Nagaon District of Assam  
**[Government]**  
Funding agency: Office of the Nagaon Zilla Parisad, Nagaon, Govt of Assam  
Amount sanctioned: Rs. 198875/-  
Duration: 3 months  
Date of sanctioned with sanctioned no.: 20.2.2025 sanctioned no. NZP.No.652/15th FC/AJAB/2024-25/1011

### *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. **Mona Alice Marbaniang** attended **five days Online FDP** on “Research Structuring & Publication Process” organized by National Foundation for Entrepreneurship Development, Tamil Nadu from 24-28 November, 2025
2. **Ahana Choudhury** attended **five days Online FDP** on “Research Structuring & Publication Process” organized by National Foundation for Entrepreneurship Development, Tamil Nadu from 24-28 November, 2025
3. **Kritanjali Jaiswal** attended **five days Online FDP** on “Research Structuring & Publication Process” organized by National Foundation for Entrepreneurship Development, Tamil Nadu from 24-28 November, 2025
4. **Mona Alice Marbaniang** attended **eight days Online FDP** on “NEP Orientation & Sensitization Programme” organized by Girijananda Chowdhury University in collaboration with Gauhati University from 03-12 December, 2025
5. **Ahana Choudhury** attended **eight days Online FDP** on “NEP Orientation & Sensitization Programme” organized by Girijananda Chowdhury University in collaboration with Gauhati University from 03-12 December, 2025
6. **Kritanjali Jaiswal** attended **eight days Online FDP** on “NEP Orientation & Sensitization Programme” organized by Girijananda Chowdhury University in collaboration with Gauhati University from 03-12 December, 2025
7. **Rachel Kabi** attended **eight days Online FDP** on “NEP Orientation & Sensitization Programme” organized by Girijananda Chowdhury University in collaboration with Gauhati University from 03-12 December, 2025
8. **Ahana Choudhury** attended **five days short-term** course on “Sustainability, Inclusivity and Justice: From Knowledge to Practice” organized by The LNM Institute of Information Technology, Jaipur from 22-26 September, 2025.
9. **Ahana Choudhury** attended **six days Online FDP** on “Identity, Home, and Belonging” organized by VITAP School of Social Sciences and Humanities (VISH), Andhra Pradesh from 03-08 November, 2025.



## Publication report for the academic session July-December 2025

10. **Rinku Borthakur** completed **two day workshop cum Training programme** on “Financial literacy and financial behavior” organized by Thappar University, Patiala on 21-22 November 2011.

### Departmental count

|                               |           |                                               |           |
|-------------------------------|-----------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>00</b> | <b>Extramural projects approved/ongoing</b>   | <b>02</b> |
| <b>Review articles:</b>       | <b>00</b> | <b>Research paper presented</b>               | <b>02</b> |
| <b>Total impact factor:</b>   | <b>00</b> | <b>No of conference/FDP/workshop attended</b> | <b>10</b> |
| <b>Conference proceedings</b> | <b>00</b> | <b>No of existing JRF/SRF</b>                 | <b>00</b> |
| <b>Book Chapters:</b>         | <b>01</b> | <b>Awards &amp; Recognition</b>               | <b>00</b> |
| <b>Books / Edited Books</b>   | <b>01</b> | <b>Publication in Website news</b>            | <b>00</b> |
| <b>Patents</b>                | <b>00</b> |                                               |           |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                    | School of Humanities & Social Sciences |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                | Department of Economics                |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                   |                                        |
| <b>List of Edited Book as Editor (Total count: 01)</b>                                                                                                                                                                                                                                                                                           |                                        |
| 1. <b>Sampurna Bhuyan</b> . Sustainable Development Goals: Health and Education—Practices and Challenges. 2025, pp 1-188, NIPA publisher (India), ISBN 978-937219818-8, 978-937219504-0. (Scopus indexed Edited Book).                                                                                                                           |                                        |
| <b>List of Publication in a Book Chapter (Total count: 02)</b>                                                                                                                                                                                                                                                                                   |                                        |
| 1. Sharma A, Rajbongshi H, <b>Bhuyan S</b> . An Insight into the India-ASEAN Agricultural Trade: An Analysis with respect to AIFTA. In: A. Borodoloi, B. Sarmah, B. Baruah, Editors. Asia in Perspective: Culture, Economy and Society. 1 st ed. New Delhi: Today & Tomorrow’s Printers and Publishers; (2025). p. 05-13. ISBN: 9789348596598.   |                                        |
| 2. <b>Borah D</b> . Impact of globalization on consumption behavior of people in Asia. In: Perspective: Culture, Economy and Society. Today & amp; Tomorrow’s Printers and Publishers; p. 62–73. ISBN: 9789348596598.                                                                                                                            |                                        |
| <b>Information on Research paper presented/Invited Speaker at State, Regional, National and International level Conference (Online/Offline/hybrid mode)</b>                                                                                                                                                                                      |                                        |
| 1. <b>Sampurna Bhuyan</b> . International Conference on Sustainable Development Theory, Practice, Approach and Policy-“Youth Engagement and Development of Entrepreneurial Mindset”. Organized by PathS in Collaboration with NEHU, Shillong. Dated: 10/11/25 (Presenter). (Online)                                                              |                                        |
| 2. <b>Sampurna Bhuyan</b> . International Conference on Sustainable Business Development: Transformation, Innovation, Policies and Inclusive Practices for Viksit Bharat 2047-“Investing on Green Finance for a Climate Resilient Society in India”. Organized by Gauhati University, Guwahati. Dated 11/8/25 to 12/8/25. (Presenter). (Offline) |                                        |
| 3. <b>Sampurna Bhuyan</b> . International Conference on Transforming Business Practices with AI and ESG for a Sustainable Tomorrow-“Aligning ESG Principles with CSR through AI: A Study on the Hydrocarbon Sector”. Organised by IILM & Leads University, New Delhi. Dated 25/8/25 to 26/8/25. (Presenter). (Online)                            |                                        |
| 4. <b>Sampurna Bhuyan</b> . International Conference on Dynamics of Environment, Sustainability and Gender Disparities: A Holistic Dialogue for Inclusive Futures- “ESG and CSR for                                                                                                                                                              |                                        |



## Publication report for the academic session July-December 2025

- Business Transformative Models: An Evidence-Based Study”. Organized by B. S. Abdur Rahman Crescent Institute of Science and Technology in collaboration with Jammu Kashmir Economic Association. Dated 12/11/25 to 13/11/25. (Presenter). (Online)
5. **Sampurna Bhuyan**. State Level Panel Discussion on –“Geo-Economic and Geo-Political Influence on Trade and Tariff”. Organized by Indian Accounting Association, Guwahati Branch in association with Girijananda Chowdhury University. Guwahati. dated 22/11/25. (Invited Speaker/ Resource Person)
  6. **Borah A.** A study on the rising costs and challenges faced by the urban poor in Assam due to climate change and increased health risks. In: Proceedings of the National Seminar; 2025 Nov 14–15; Guwahati, Assam. Guwahati: Department of Sociology, The Assam Royal Global University, in collaboration with North Eastern Social Research Centre, Guwahati, and Indian Council of Social Science Research, North Eastern Regional Centre, Shillong.

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

1. **Sampurna Bhuyan** achieved **Best Research Paper Award**: “ESG And CSR For Business Transformative Models: An Evidence Based Study” in the International Conference on ‘Dynamics of Environment, Sustainability, and Gender Disparities: A Holistic Dialogue for Inclusive Futures’. Organized by BSARC Institute of Science and Technology, Chennai in collaboration with Jammu and Kashmir Economic Association on 12th-13 th November, 2025 in Chennai.
2. **Sampurna Bhuyan**. Firm-Level Profitability across the Pandemic Phases: A Panel Study of Indian and Multinational Corporations in the Post-COVID Era Manuscript Number: SNBE-D-25 01594R1. SN Business & Economics. Springer. November 2025 (Reviewer)
3. **Sampurna Bhuyan**. AI Dashboards using Microsoft Power BI: certified workshop. Organized by Skill Nation. Dated 9/8/2025 to 10/8/2025

### ***Any other R&D information on the achievements/recognition 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. **Nath D** (Scholar, Dept. of Economics). A study on the rising costs and challenges faced by the urban poor in Assam due to climate change and increased health risks. In: Proceedings of the National Seminar; 2025 Nov 14–15; Guwahati, Assam. Guwahati: Department of Sociology, The Assam Royal Global University, in collaboration with North Eastern Social Research Centre, Guwahati, and Indian Council of Social Science Research, North Eastern Regional Centre, Shillong.

### **Departmental count**

|                               |           |                                               |           |
|-------------------------------|-----------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>00</b> | <b>Extramural projects approved/ongoing</b>   | <b>02</b> |
| <b>Review articles:</b>       | <b>00</b> | <b>Research paper presented</b>               | <b>06</b> |
| <b>Total impact factor:</b>   | <b>00</b> | <b>No of conference/FDP/workshop attended</b> | <b>10</b> |
| <b>Conference proceedings</b> | <b>00</b> | <b>No of existing JRF/SRF</b>                 | <b>00</b> |
| <b>Book Chapters:</b>         | <b>02</b> | <b>Awards &amp; Recognition</b>               | <b>00</b> |
| <b>Books / Edited Books</b>   | <b>01</b> |                                               |           |
| <b>Patents</b>                | <b>00</b> |                                               |           |



## Publication report for the academic session July-December 2025

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                    | School of Humanities & Social Sciences |
| <b>Department</b>                                                                                                                                                                                                                                                                                | Department of History                  |
| <b>Publication information</b>                                                                                                                                                                                                                                                                   |                                        |
| <b>List of Publication in an Edited Book (Total count: 01)</b>                                                                                                                                                                                                                                   |                                        |
| 1. <b>Anisha Bordoloi</b> (et. al. eds.). <i>Asia in Perspective: Culture, Economy and Society, Today &amp; Tomorrow's Printers and Publishers, New Delhi, October 2025.</i>                                                                                                                     |                                        |
| <b>Any other R&amp;D information on the achievements/recognition of the respective Department (inclusive of achievements/awards/recognition received by UG/PG/Ph.D scholars at conference, convention or university level R&amp;D competition etc.)</b>                                          |                                        |
| 1. <b>Ms. Epahi Baruah</b> (Research Scholar) under the supervision of Dr. Anisha Bordoloi received Best Presentation Award received by at a National Conference on "Reimagining the Global Environment: Opportunities and Challenges in India" held at Gauhati University on 6-7 November 2025. |                                        |
| 2. Extramural Project Grant granted to <b>Dr. Anisha Bordoloi</b> by Indian Council of Historical Research under Ministry of Education, New Delhi on 18 December 2025 for a period of 2 years.                                                                                                   |                                        |

### Departmental count

|                               |           |                                               |           |
|-------------------------------|-----------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>00</b> | <b>Extramural projects approved/ongoing</b>   | <b>01</b> |
| <b>Review articles:</b>       | <b>00</b> | <b>Research paper presented</b>               | <b>00</b> |
| <b>Total impact factor:</b>   | <b>00</b> | <b>No of conference/FDP/workshop attended</b> | <b>00</b> |
| <b>Conference proceedings</b> | <b>00</b> | <b>No of existing JRF/SRF</b>                 | <b>00</b> |
| <b>Book Chapters:</b>         | <b>00</b> | <b>Awards &amp; Recognition</b>               | <b>01</b> |
| <b>Books / Edited Books</b>   | <b>01</b> |                                               |           |
| <b>Patents</b>                | <b>00</b> |                                               |           |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>School</b>                                                                                                                                                                                                   | School of Humanities & Social Sciences      |
| <b>Department</b>                                                                                                                                                                                               | Department of English and Foreign Languages |
| <b>Publication information</b>                                                                                                                                                                                  |                                             |
| <b>List of Publication in an Edited Book (Total count: 01)</b>                                                                                                                                                  |                                             |
| 1 <b>Dr. Bondita Baruah</b> co-edited a book titled <i>Asia in Perspective: Culture, Economy and Society</i> , published by Today and Tomorrow's Printers and Publishers, New Delhi, October 2025.              |                                             |
| <b>Information on Faculties receiving Awards/Recognition/Commendation from State/National/International agency</b>                                                                                              |                                             |
| 1. <b>Dr. Bondita Baruah</b> received certificate of participation in an FDP "NEP 2020 Orientation & Sensitization Programme" organized by MMTTC, Gauhati University. Dated: 03.12.2025 to 12.12.2025           |                                             |
| 2. <b>Dr. Kaustov Pronob Borthakur</b> received certificate of participation in an FDP "NEP 2020 Orientation & Sensitization Programme" organized by MMTTC, Gauhati University. Dated: 03.12.2025 to 12.12.2025 |                                             |
| 3. <b>Ms. Manashi Devi</b> received certificate of participation in an FDP "NEP 2020 Orientation & Sensitization Programme" organized by MMTTC, Gauhati University. Dated: 03.12.2025 to 12.12.2025             |                                             |



## Publication report for the academic session July-December 2025

### Departmental count

|                        |    |                                        |    |
|------------------------|----|----------------------------------------|----|
| Research articles:     | 00 | Extramural projects approved/ongoing   | 00 |
| Review articles:       | 00 | Research paper presented               | 00 |
| Total impact factor:   | 00 | No of conference/FDP/workshop attended | 03 |
| Conference proceedings | 00 | No of existing JRF/SRF                 | 00 |
| Book Chapters:         | 00 | Awards & Recognition                   | 00 |
| Books / Edited Books   | 01 |                                        |    |
| Patents                | 00 |                                        |    |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                           | School of Humanities & Social Sciences |
| <b>Department</b>                                                                                                                                                                                                                                                                       | Department of Psychology               |
| <b>Publication information</b>                                                                                                                                                                                                                                                          |                                        |
| <i>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</i>                                        |                                        |
| <ol style="list-style-type: none"> <li>1. <b>Fariza Saidin</b> attended 10 days online FDP on NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme of UGC, organized by MMTTC Gauhati University from 03.12.2025 – 12.12.2025.</li> </ol> |                                        |

### Departmental count

|                        |    |                                        |    |
|------------------------|----|----------------------------------------|----|
| Research articles:     | 00 | Extramural projects approved/ongoing   | 00 |
| Review articles:       | 00 | Research paper presented               | 00 |
| Total impact factor:   | 00 | No of conference/FDP/workshop attended | 01 |
| Conference proceedings | 00 | No of existing JRF/SRF                 | 00 |
| Book Chapters:         | 00 | Awards & Recognition                   | 00 |
| Books / Edited Books   | 00 |                                        |    |
| Patents                | 00 |                                        |    |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <b>School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                 | Centre of Legal Studies |
| <b>Department</b>                                                                                                                                                                                                                                                                                                                                                                                                                             | Department of Law       |
| <b>Publication information</b>                                                                                                                                                                                                                                                                                                                                                                                                                |                         |
| <i>List of Publication of Edited Book (Total count: 02)</i>                                                                                                                                                                                                                                                                                                                                                                                   |                         |
| <ol style="list-style-type: none"> <li>1. <b>Niju Moni Das</b>. Navigating Contemporary Socio-Legal Issues in Global Perspective. (A Blind peer-reviewed research edited book), Guwahati, 2025, ISBN no. 978-93-48856-64-7).</li> <li>2. <b>Madhusmita Ronghangpi</b>. Navigating Contemporary Socio-Legal Issues in Global Perspective. (A Blind peer-reviewed research edited book), Guwahati, 2025, ISBN no. 978-93-48856-64-7)</li> </ol> |                         |
| <i>Information on Research paper presented (Invited Speaker/Oral/Poster) at State, Regional, National and International level Conference (Online/Offline hybrid mode)</i>                                                                                                                                                                                                                                                                     |                         |
| <ol style="list-style-type: none"> <li>1. <b>Das, Niju Moni</b> presented paper entitled “Modernizing Crime Investigation in India: Role and Significance of Digital and Forensic Evidence” in International Conference “Role of Technology in the Enforcement of Law and Order” organized by Durga Law College, West Bengal, and Global Academy of Juridical Sciences (GLOAJUS), August 16, 2025.</li> </ol>                                 |                         |



2. **Das, Niju Moni** presented paper entitled “Women’s education and Skill Development as a Facet of the Rights to Life and Dignity- An analysis” in National Seminar “Empowering Women for a Sustainable Future: Bridging Gaps for Accelerating SDGs” organized by K.R.B. Girls’ College, October 30th & 31st, 2025.
3. **Das, Niju Moni** presented paper entitled “An initiate towards women's Prisoner's Right and Challenges- An analytical study” in International Seminar “North East India and Beyond Past, Present and Future” organized by Rajiv Gandhi University, November 14,15,16, 2025
4. **Das, Niju Moni** presented paper entitled “Advancing Transgender Right as Human Rights under the Indian Legal Framework An Analytical Study” in the International Conference on "Exploring Approaches And Practices Of Human Rights Institutions In Protection Of Human Rights" (Hybrid Mode), organized by the School of Law, SDUAHER in association with Global Academy of Juridical Sciences, held on 27th and 28th December, 2025.
5. **Ronghangpi, Madhusmita** presented paper entitled “Modernizing Crime Investigation in India: Role and Significance of Digital and Forensic Evidence” in International Conference “Role of Technology in the Enforcement of Law and Order” organized by Durga Law College, West Bengal, and Global Academy of Juridical Sciences (GLOAJUS), August 16, 2025.
6. **Ronghangpi, Madhusmita** presented paper entitled “Artificial Intelligence Applications in the Start-Up Sector” in “International Conference on Artificial Intelligence & Digital Technologies” organized by the International Society of Artificial Intelligence and Digital Technology (ISAIDT) in collaboration with Himachal Pradesh National Law University (HPNLU) Shimla held on 8<sup>th</sup> November, 2025.
7. **Ronghangpi, Madhusmita** presented paper entitled “Integrating Esg Disclosure With Digital Transparency: A New Paradigm For Corporate Accountability” in “the 1st Global Conclave on Corporate & Commercial Law in the Digital Era: Navigating Innovation, Compliance and Accountability” organized by “LawLearnizo, Juris Cognita Publications and International Journal of Legal Affairs and Exploration” held on 15<sup>th</sup> and 16<sup>th</sup> November, 2025.
8. **Ronghangpi, Madhusmita** presented paper entitled “Breathing Life into Human Rights: The Quest for Clean Air and Environmental Dignity” in the International Conference on "EXPLORING APPROACHES AND PRACTICES OF HUMAN RIGHTS INSTITUTIONS IN PROTECTION OF HUMAN RIGHTS" (Hybrid Mode), organized by the School of Law, SDUAHER in association with Global Academy of Juridical Sciences, held on 27th and 28th December, 2025.
9. **Kalita, Pooja** presented paper entitled “Human Rights institution in India: Between Constitutional Mandate and Institutional Practice” in the International Conference on "EXPLORING APPROACHES AND PRACTICES OF HUMAN RIGHTS INSTITUTIONS IN PROTECTION OF HUMAN RIGHTS" (Hybrid Mode), organized by the School of Law, SDUAHER in association with Global Academy of Juridical Sciences, held on 27th and 28th December, 2025

***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. **Madhusmita Ronghangpi**, attended One Week Online Capacity Building Programme/Faculty Development Programme on **Access to Justice** Organised by KLE Society's Law College, Chikodi in association with Probono India from December 8-14, 2025. [No financial support]
2. **Madhusmita Ronghangpi**, attended One Week Faculty Development Programme/Capacity Building Programme on **Jurisprudence & Legal Theory**, Jointly Organised by SNBP LAW COLLEGE, PIMPRI, PUNE, MAHARASHTRA (Department of IQAC) and LAW TEACHERS INDIA from September 8 to September 14, 2025. [No financial support]
3. **Madhusmita Ronghangpi**, attended **"8 Days Online NEP Orientation & Sensitization"** (19-27 August, 2025) organized by Malaviya Mission Teacher Training Centre Jamia Millia Islamia (Central University), New Delhi under UGC. [No financial support]
4. **Madhusmita Ronghangpi**, attended An Online Faculty Development Program On **"Alternate Or Appropriate Dispute Resolution (ADR) For Viksit Bharat"** (Equivalent To One Credit Course) organised by Faculty of Law, SRM University, Sonapat, Haryana, in collaboration with Law Teachers India from July 28 to August 10, 2025. [No financial support]
5. **Madhusmita Ronghangpi**, attended Faculty Development Programme **"Contemporary Trends in Research Methodology and Teaching"** organised by the Centre for Advanced Studies in Human Rights (CASIHR) in collaboration with the Centre for Advanced Studies in Labour Welfare (CASLW), RGNUL, Punjab from 14th to 19th July. [No financial support]

***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 R&D competition, etc.***

1. Kangkana Barman (Ph.D. Research Scholar- Law), Farhin Warsi (Ph.D. Research Scholar- Law) presented their paper entitled "Women's education and Skill Development as a Facet of the Rights to Life and Dignity. An Analysis:" in the National Seminar on "Empowering Women for a Sustainable Future: Bridging Gaps for Accelerating SDGs" organized by K.R.B. Girls' College held on 30th & 31st October, 2025 in collaboration with ICSSR-NERC, Shillong & WSRC, K.R.B. Girl's College, Guwahati.
2. Kangkana Barman (Ph.D. Research Scholar- Law) presented paper entitled "Role of Judiciary in Enforcing Environmental Rights-A Study of Landmark Judicial Decisions in India" in the International Conference on Environment and Sustainable Development: Addressing Global Challenges Through Collaborative Action organized by Department of Law, Gauhati University in collaboration with United Nations Development Programme held on 18th to 19th September, 2025.
3. Kangkana Barman (Ph.D. Research Scholar- Law) participated as an Advocate and



- completed Seven (6) Days (online) Faculty Development Programme on “Indian Knowledge Systems” held from 10th-16th July, 2025 organized by the Association of Indian Universities-Apex Professional University-Academic and Administrative Development Centre conducted at Apex Professional University.
4. Farhin Warsi (Ph.D. Research Scholar- Law) presented paper entitled “An initiate towards women's Prisoner's Right and Challenges- An analytical study” in International Seminar “North East India and Beyond Past, Present and Future” organized by Rajiv Gandhi University, November 14,15,16, 2025
  5. Kaustav Vikash Nath (Ph.D. Research Scholar- Law) published article entitled “Artificial Intelligence and Employment Displacement: A Socio-Legal Study on Labor Rights in the Automation Era” in the Book “Navigating Contemporary Socio-Legal Issues in Global Perspective” ISBN number: 978-93-48856-64-7
  6. Anushri Borgohain (Ph.D. Research Scholar- Law) presentation paper entitled “Advancing Circular Economy through E-Waste Management : Legal Reforms in India” at the International Conference on “Environment and Sustainable Development: Addressing Global Challenges Through Collaborative Action”, on 18–19 September 2025, organized by the Department of Law, Gauhati University in collaboration with the United Nations Development Programme (UNDP).
  7. Fetisha Syiemiong (LL.M.) presented paper entitled “Corporate Environment Responsibility and Fiscal Incentives in India: A Legal and Policy Analysis” in “Two-Day National Conference on Climate Change & Sustainable Development: Pathways to a Resilient Future” organized by Bharath Institute of Law (School of Law) held on 31st October & 1st November, 2025.
  8. Chayanika Soud. (LL.M.), Kabita Phukan. (LL.M.) presented their paper entitled “Predictive Justice in the Age of Artificial Intelligence: A Critical Evaluation of Its Opportunities and Limitations” in “National Conference Yugdharma: Aligning Bharatiya Nyaya Shastra with Demands of Digital Era” organized by Central University of Karnataka, Department of Law and Vijñaneswara Prathisthana Trust (R), Martur, held on 7<sup>th</sup> November, 2025 under the Guidance of the Faculty Members of Centre for Legal Studies, GCU.
  9. Prajukta Borah. (LL.M.), Suhana Begum. (LL.M.) presented their paper entitled “Digital Justice in Action: Evaluating the Impact of e-Courts on Judicial Efficiency” in “National Conference Yugdharma: Aligning Bharatiya Nyaya Shastra with Demands of Digital Era” organized by Central University of Karnataka, Department of Law and Vijñaneswara Prathisthana Trust (R), Martur of Law held on 7<sup>th</sup> November, 2025.
  10. Aayaz Taufiq. (LL.M.), Ms. Sweety Allamyan, (LL.M.) presented their paper entitled “Artificial Intelligence And The Law: A Critical Analysis Legal Implications And Challenges” in “International Conference on Artificial Intelligence & Digital Technologies” organized by the International Society of Artificial Intelligence and Digital Technology (ISAIDT) in collaboration with Himachal Pradesh National Law University (HPNLU) Shimla held on 8<sup>th</sup> November, 2025.
  11. Tahsin Chisty Hussain. (LL.M.) presented paper entitled “Artificial Intelligence



- Applications in the Start-Up Sector” in “International Conference on Artificial Intelligence & Digital Technologies” organized by the International Society of Artificial Intelligence and Digital Technology (ISAIDT) in collaboration with Himachal Pradesh National Law University (HPNLU) Shimla held on 8<sup>th</sup> November, 2025.
12. Prajukta Borah. (LL.M.) presented paper entitled “Integrating Esg Disclosure With Digital Transparency: A New Paradigm For Corporate Accountability” in “the 1st Global Conclave on Corporate & Commercial Law in the Digital Era: Navigating Innovation, Compliance and Accountability” organized by “Law Learnizo, Juris Cognita Publications and International Journal of Legal Affairs and Exploration” held on 15<sup>th</sup> and 16<sup>th</sup> November, 2025.
  13. Aayaz Taufiq. (LL.M.), Abinash Narzary. (LL.M.) presented their paper entitled “Jurisdictional Challenges in Digital Dispute Resolution The Crisis of Jurisdiction in Indian E-Commerce” in “the 1st Global Conclave on Corporate & Commercial Law in the Digital Era: Navigating Innovation, Compliance and Accountability” organized by “Law Learnizo, Juris Cognita Publications and International Journal of Legal Affairs and Exploration” held on 15<sup>th</sup> and 16<sup>th</sup> November, 2025.
  14. Shristy, Dey. (LL.M.) presented paper entitled “Breathing Life into Human Rights: The Quest for Clean Air and Environmental Dignity” in the International Conference on "EXPLORING APPROACHES AND PRACTICES OF HUMAN RIGHTS INSTITUTIONS IN PROTECTION OF HUMAN RIGHTS" (Hybrid Mode), organized by the School of Law, SDUAHER in association with Global Academy of Juridical Sciences, held on 27th and 28th December, 2025.
  15. Jyotishman Sarma. (LLM.) presented paper entitled “Human Rights institution in India: Between Constitutional Mandate and Institutional Practice” in the International Conference on "EXPLORING APPROACHES AND PRACTICES OF HUMAN RIGHTS INSTITUTIONS IN PROTECTION OF HUMAN RIGHTS" (Hybrid Mode), organized by the School of Law, SDUAHER in association with Global Academy of Juridical Sciences, held on 27th and 28th December, 2025.
  16. Natasha Nazmi. (LLM.) presented paper entitled “Advancing Transgender Right as Human Rights under the Indian Legal Framework An Analytical Study” in the International Conference on "EXPLORING APPROACHES AND PRACTICES OF HUMAN RIGHTS INSTITUTIONS IN PROTECTION OF HUMAN RIGHTS" (Hybrid Mode), organized by the School of Law, SDUAHER in association with Global Academy of Juridical Sciences, held on 27th and 28th December, 2025.
  17. Abinash Narzary, LLM.) presented paper entitled “The Role of Non-Governmental Organizations and Community-Based Movements in the Promotion and Protection of Human Rights in North East India” in the International Conference on "EXPLORING APPROACHES AND PRACTICES OF HUMAN RIGHTS INSTITUTIONS IN PROTECTION OF HUMAN RIGHTS" (Hybrid Mode), organized by the School of Law, SDUAHER in association



## Publication report for the academic session July-December 2025

### Departmental count

|                               |           |                                               |           |
|-------------------------------|-----------|-----------------------------------------------|-----------|
| <b>Research articles:</b>     | <b>00</b> | <b>Extramural projects approved/ongoing</b>   | <b>00</b> |
| <b>Review articles:</b>       | <b>00</b> | <b>Research paper presented</b>               | <b>18</b> |
| <b>Total impact factor:</b>   | <b>00</b> | <b>No of conference/FDP/workshop attended</b> | <b>05</b> |
| <b>Conference proceedings</b> | <b>00</b> | <b>No of existing JRF/SRF</b>                 | <b>00</b> |
| <b>Book Chapters:</b>         | <b>02</b> | <b>Awards &amp; Recognition</b>               | <b>00</b> |
| <b>Books / Edited Books</b>   | <b>01</b> |                                               |           |
| <b>Patents</b>                | <b>00</b> |                                               |           |