

## CV of Shahnaz Alom

**Name:** Miss. Shahnaz Alom

**Designation:** Assistant professor (Pharmacology)

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**Sex:** Female

**Date of Birth:** 19/04/1997

### **Educational Qualifications:**

Sl. No.	Examination Passed	Year of passing	Board / Council / University	Specialization	Result
1	HSLC/10 <sup>th</sup> Std.	2013	Board of Secondary Education (SEBA), Assam	NA	75.66% (First class with star)
2	HSSLC/10+2 Std.	2015	Assam Higher Secondary Education Council (AHSEC)	Science	85.6% (First class with distinction)
3	Degree (Please Specify)	2019	Dibrugarh University, Assam	Bachelor of Pharmacy (B. Pharm.) in Department of Pharmaceutical Sciences	76.43% (First class with distinction)
4	Master's Degree (Please Specify)	2021	Dibrugarh University, Assam	Master of Pharmacy in Pharmacology (M. Pharm.) in Department of Pharmaceutical Sciences	9.41 CGPA (Grade O)
5	M. Phil. (Please Specify)	NA	NA	NA	NA
6	Ph. D. (Please Specify)	Pursuing	Dibrugarh University, Assam	Antidiabetic study of the traditional plant along with molecular study.	Pursuing
7	Post-Doctoral (Please Specify)	NA	NA	NA	NA
8	Others (Please Specify)	2020	Plaza Community Society	One-year PGDCA computer application course	75%

**Languages known:** Assamese, Hindi and English

(Read, Write & Speak)

**Academic/ Administrative Experience:** 3 years 7 months teaching experience as Assistant professor (Pharmacology) in GIPS, GCU-Tezpur, Assam.

**List of Publications:**

**Published papers:**

1. **Alom, S.,** Ali, F., Bezbaruah, R., Kakoti, B. B. *Rosa alba* Linn.: A comprehensive review on plant profile, phytochemistry, traditional and pharmacological uses. *World Journal of Pharmaceutical Research*, 2020; 10(4):798-811
2. Ahmed A. **Alom, S., et al.** The role of Pharmacists in optimizing Molecular Testing with Evolving Biomarkers and treatment for non-small cell lung cancer. *European Journal of Molecular and Clinical medicine*, 2020; 8(3): 2240-2259
3. **Alom, S.,** Ali, F., Zaman, K. A comprehensive review on mucormycosis (black fungus) and its association with COVID-19. *Current Trends in Pharmaceutical Research*, 2021; 8(1): 11-40
4. **Alom, S.,** Sadhu, P., Bezbaruah, R. A comprehensive review on ethnobotanical and pharmacological uses of the topical herb *Enydra fluctuans* Lour. *Current Trends in Pharmaceutical Research*, 2021; 8(1)
5. Ali, F., **Alom, S.,** Zaman, K. Berberine: A comprehensive review on its isolation, biosynthesis chemistry and pharmacology. *Asian Journal of Chemistry*, 2021; 33(11): 2548-2560
6. Ali, F., **Alom, S.,** Shakya, A., Ghosh, S. K., Singh, U. P., & Bhat, H. R. (2022). Implication of in silico studies in the search for novel inhibitors against SARS-CoV-2. *Archiv der Pharmazie*, 355(5): e2100360.
7. **Alom, S.,** Ali, F. *et al.* Phytochemistry and Pharmacological Properties of *Morus alba* Linn. with Reference to its SARS-CoV-2 Inhibiting Potential. *Asian Journal of Chemistry*; 2022; 34(8): 1983-1992
8. Ali, F., **Alom, S.,** Zaman, K. Ethnobotany, phytochemistry and pharmacological Properties

- of zanthoxylum nitidum: a systemic review. *World Journal of Pharmaceutical Research*, 2022; 11(11): 175-195
9. **Alom, S.**, Farak Ali *et al.* Phytochemistry, Ethnobotany and Pharmacological Uses of *Tinospora cordifolia* with Special Reference to SARS-COV-2. *Asian Journal of Chemistry*; 2022; 34(11): 2786-2796
  10. Bezbaruah, R.; Chavda, V.P.; Nongrang, L.; **Alom, S.**; Deka, K.; Kalita, T.; Ali, F.; Bhattacharjee, B.; Vora, L. Nanoparticle-Based Delivery Systems for Vaccines. *Vaccines* 2022, 10, 1946.
  11. Ali SR, **Alom S**, Kumari S, Ali F, Afruja J, Singh GK, Bhat HR, Ghosh SK, Shakya A. A Systematic Overview of Monkeypox: from Origin to Treatment. *Advanced Chemicobiology Research* [Internet]. 2023 Jun. 12;2(2):151-68. Available from: <https://ojs.wiserpub.com/index.php/ACBR/article/view/acbr.v2i22023.151-168>
  12. Ali F., **Alom, S.**, *et al.* Ebselen: A Review on its Synthesis, Derivatives, Anticancer Efficacy and Utility in Combating SARS-COV-2, *Mini-Reviews in Medicinal Chemistry*, September 2023. <http://dx.doi.org/10.2174/1389557523666230914103339>
  13. Dhameliya TM, Patel DS, Kathuria D, Shah MB, Dabhade AS, Dave HS, Lad NC, Chaudhari AZ, **Alom S**, Vyas VK, Bhatt HG. Biannual Account of Anti-malarial Agents reported in 2021 and 2022: A Comprehensive Coverage. *ChemistrySelect*. 2024 Mar 11;9(10):e202303982. <https://doi.org/10.1002/slct.202303982>
  14. Chavda, V.P., Vuppu, S., Balar, P. C., Mishra, T., Bezbaruah, R., Teli, D., Sharma, N., **Alom, S.** Propolis in the management of cardiovascular disease. *International Journal of Biological Macromolecules*, 266(2),2024,131219,[doi.org/10.1016/j.ijbiomac.2024.131219](https://doi.org/10.1016/j.ijbiomac.2024.131219)
  15. Kakoti, B.B., **Alom, S.**, Deka, K. *et al.* AMPK pathway: an emerging target to control diabetes mellitus and its related complications. *J Diabetes Metab. Disord.* **23**, 441–459 (2024). <https://doi.org/10.1007/s40200-024-01420-8>
  16. Chavda, V.P., Bezbaruah, R., Ahmed, N., **Alom, S.** *et al.* Proinflammatory Cytokines in Chronic Respiratory Diseases and Their Management. *Cells*, MDPI. 2025. *14*(6), 400; <https://doi.org/10.3390/cells14060400>
  17. **Alom, S.**, Ali F., Bezbaruah, R., Kakoti, B.B. In-vitro and in-silico analysis of phytoconstituents of *Enhydra fluctuans* as an antidiabetic agent. *Advances in Traditional Medicine*. March. 2025. <https://doi.org/10.1007/s13596-025-00821-1>

### **Published book chapters:**

1. Gohain, A., **Alom, S.**, Choudhury D., Das K. A. Species of the Genus Selinum Found in the Western Himalayas. Immunity Boosting Medicinal Plants of the Western Himalayas. 2023. DOI: 10.1007/978-981-19-9501-9\_20
2. **Alom, S.**, Ali, F., Choudhury, D., Gohain, A., Ahmed, A.B., Zaman, K., Tuberculosis and Drug Delivery System: Clinical Trials in TB. Tuberculosis and Drug Delivery System, Springer Nature Publishers, 2023.
3. Ali, F, **Alom, S.**, Guha, N., Paul, A., Zaman, M.K.. Introduction, Geographical Region, Mushrooms Diversity, Climate, Sustainability: An Overview of Mushrooms. Dr. Ajay Sharma, Garima Bhardwaj and Gulzar Ahmed Nayik (editors), Edible and Medicinal Mushrooms of the Himalayas. CRC Press, Taylor and Francis, August, 2023. <https://doi.org/10.1201/9781003259763>
4. Ali, F., **Alom, S.**, Paul, A., Guha, N., Zaman, M.K.. *Leucopaxillus giganteus* (Sowerby) Singer (Giant Leucopax). Phytochemistry and Nutritional Composition of Significant Wild Medicinal and Edible Mushrooms: Traditional Uses and Pharmacology. Dr. Ajay Sharma, Garima Bhardwaj and Gulzar Ahmed Nayik (editors). Royal Society of Chemistry, August 2023. [10.1039/BK9781837672097-00261](https://doi.org/10.1039/BK9781837672097-00261)
5. **Alom, S.**, Ali, F., Kakoti, B.B., Choudhury, S. and Ahmed, A.B. (2024). Lichen as a Raw Material in Perfumery and Cosmetic Industries. In Chemistry, Biology and Pharmacology of Lichen. A.K. Das, A. Sharma, D. Kathuria, M.J. Ansari and G. Bhardwaj (editors). Wiley, June 2024. <http://dx.doi.org/10.1002/9781394190706.ch17>
6. Ali, F., **Alom, S.**, Gohain, A., Ali, S.R., Guha, N. and Kumari, S. (2024). Commercial and Traditional Uses of Lichen. In Chemistry, Biology and Pharmacology of Lichen. A.K. Das, A. Sharma, D. Kathuria, M.J. Ansari and G. Bhardwaj (editors). Wiley, June 2024. <https://doi.org/10.1002/9781394190706.ch10>
7. **Alom S.**, Ali F., Gohain A., Das A.K., Kakoti B. Cosmeceutical applications of alkaloids. In: Specialized Plant Metabolites as Cosmeceuticals. D. Kathuria, A. Sharma and J. Simal-Gandara (editors). Elsevier, August 2024. <https://doi.org/10.1016/B978-0-443-19148-0.00004-8>

8. **Alom, S.** Prevention of Cruelty to Animal Act 1960. Pharmaceutical Law and Ethics. Ravi Kumar Rajan (Editor). Notion Press Publisher, 1<sup>st</sup> edition, August 2024, 163-188, **ISBN-13: 979-8895196816**
9. **Alom, S.** Foundations of Drug Development and Regulations: BCS Classification, Clinical trials and Intellectual Property Rights, Pharmaceutical Law and Ethics. Ravi Kumar Rajan (Editor). Notion Press Publisher, 1<sup>st</sup> edition, August 2024, 361-387, **ISBN-13: 979-8895196816**
10. **Alom, S.** Role of all Government Pharma Regulatory Bodies. Pharmaceutical Law and Ethics. Ravi Kumar Rajan (Editor). Notion Press Publisher, 1<sup>st</sup> edition, August 2024, 454-460, **ISBN-13: 979-8895196816**
11. **Alom S.,** Ali F., Kathuria D. Colorimetric Paper-based Point-of-care Testing for Disease Biomarkers. Sensing Materials and Devices for Biomarkers. V. Mutreja, D. Kathuria, S. Sareen, and J. Park (editors). Royal Society of Chemistry, December 2024. <https://doi.org/10.1039/9781837673230-00037>

**National, International Seminars/ Workshop presented or attended:**

1. Presented in a National Seminar on “**Emerging global trends in Pharmaceutical Nanotechnology**” held in Dept. of Pharmaceutical Sciences, Dibrugarh University from 23<sup>rd</sup> & 24<sup>th</sup> Nov. 2018.
2. Presented in a National Seminar on “**Current research in Drug discovery and development**” held in Dept. of Pharmaceutical Sciences, Dibrugarh University from 13<sup>th</sup> & 14<sup>th</sup> Nov. 2019.
3. Attended a workshop on “**Handling and Utility of Experimental Animals in Biomedical Research**” held on 24<sup>th</sup> and 25<sup>th</sup> of October, 2019. Conducted by Dept. of Pharmaceutical Sciences, Dibrugarh University, funded by UGC under UGC-SAP (DRS-D)
4. Presented in an online seminar in International Virtual Conference on ‘**Innovative Strategies in Chemical Sciences and Technology**’ (ISCST 2020) held on 27<sup>th</sup> & 28<sup>th</sup> June, 2020. Conducted by Bhaktavatsalam Memorial College for Women, Chennai.
5. Participated in a “**One day workshop on Analytical cum semi-preparative HPLC systems** on 29<sup>th</sup> January, 2021”. Conducted by Dept. of Pharmaceutical Sciences,

Dibrugarh University in collaboration with IPA, Assam State Branch and Spinco Biotech Pvt. Ltd.

6. Participated in five days' workshop of ATAL-FDP, on “**Response effectiveness, organizing self, attitudinal shift, decision making (ROAD)**”, held in Girijananda Chowdhury Institute of Pharmaceutical Science- Guwahati (GIPS-Guwahati) from 6th to 10th December, 2021.
7. Presented in a National Seminar on “**Recent discoveries in medical and aromatic plants research and its sustainability development in North East India**”, held in Dept. of Herbal Science and Technology, ADP College, Nagaon from 21 and 22<sup>nd</sup> January, 2022.
8. Participated in “**IP awareness/ training program under National Intellectual Property Awareness Mission**”, organized by Intellectual Property office and MoEs Innovation Cell, India on 17<sup>th</sup> February, 2023.
9. Participated in a “**five-day faculty development program (FDP) on Advances in Research Methodology**” organized by the Royal Society of Pharmacy, The Assam Royal Global University, Guwahati, Assam from 22-26<sup>th</sup> May 2023.
10. Participated in a hands-on workshop on “**Insight into *Insilico* techniques in Drug discovery: A hands-on workshop (Online)**”, organized by Experimental Pharmacology Laboratory, Dept, of Pharmacology, PGIMER, Chandigarh with Indian Pharmacological Society (IPS) on 19<sup>th</sup> June, 2023.
11. Presented in a DST-Purse sponsored national seminar on “**Nanotechnology in Biotherapeutics: Advancement in Drug Discovery, Development and Delivery Systems**” organized by the Department of Pharmaceutical Sciences, Dibrugarh University from 16-18<sup>th</sup> November 2023.
12. Presented in a national seminar on “**Ethnopharmacology for Bioeconomy: The New Paradigm**” organized by CSIR-NEIST, Jorhat, Assam in association with society for Ethnopharmacology, India from 28-30<sup>th</sup> November, 2023.
13. Presented in a national seminar in “**Frontiers in Chemical and Pharmaceutical Sciences for the Development of Novel Therapeutics-2024**” organized by the School of Pharmaceutical Sciences, Girijananda Chowdhury University Tezpur Campus in

collaboration with Association of Chemistry Teachers (ACT) and Rangapara College on 16<sup>th</sup> February 2024.

14. Participated in a 2-days Hands on training cum workshop on “**Computer-Aided Drug Design with BIOVIA Discovery Studio Visualizer**” organized by School of Pharmaceutical Sciences, Girijananda Chowdhury University-Tezpur, Assam, India in Association with Altem Technology Pvt. Ltd. From 3-4<sup>th</sup> April, 2024.
15. Participated in a “**five-day faculty development program (FDP) on Focus on Research, Innovation & Institutional Governance as the path breaking initiatives for quality enhancement of self-financing standalone Pharmacy Institutions**” organized by Bengal School of Technology (BST) in association with The Indian Pharmacy Graduates Association, New Delhi from 22-30<sup>th</sup> July, 2024.
16. Participated in a “**five-day faculty development program (FDP) on Herbal Medicine: Harmonizing Traditional Knowledge and Modern Health Care System**” organized by the School of Pharmacy in Association with IQAC cell, The Kaziranga University, Jorhat, Assam from 5-9<sup>th</sup> August 2024.
17. Participated in a one-day workshop on “**Computer-Aided Drug Design**” organized by Department of Pharmaceutical Chemistry, School of Pharmaceutical Sciences, Girijananda Chowdhury University-Tezpur, Assam, India on 11<sup>th</sup> November 2024.
18. Presented in an international conference on “**Bioeconomy from Bioresources: Promoting Traditional Resources of NER for Viksit Bharat**” jointly organized by Society for Ethnopharmacology, India and BRIC-Institute of Bioresources and Sustainable Development, Imphal, Manipur at Chintan Bhavan, Gangtok, Sikkim, India from 15-16<sup>th</sup> November, 2024.
19. Participated in a preconference workshop on “**Non-invasive Preclinical imaging in Experimental and Molecular Pharmacology in Drug Discovery**” organized by the Department of Pharmacology and Toxicology, NIPER Guwahati, Assam, India from 4-5<sup>th</sup> December, 2024.
20. Presented in the 1<sup>st</sup> international conference on “**Experimental and Molecular Pharmacology Interface in Drug Discovery and Development (EMPi-3D 2024)**” organized by the Department of Pharmacology and Toxicology, NIPER Guwahati, Assam, India from 5-6<sup>th</sup> December, 2024.

21. Presented in a national seminar in “**Role of Biological, Chemical and Pharmaceutical Sciences in Integrative medicine and Holistic Health-2025 (RBCPS-IMH2-2025)**” organized by the School of Pharmaceutical Sciences, Girijananda Chowdhury University Tezpur Campus in collaboration with Association of Chemistry Teachers (ACT) and Rangapara College on 21-22<sup>nd</sup> February 2025.

**Research Experience:**

- Doctoral thesis guided: NA
- Research & Consultancy Projects: NA

**Membership of Professional bodies:** NA

**Award, Fellowship & Recognition:**

- Second rank holder (Silver medallist) in B. Pharm, 2015-19 batch in Department of Pharmaceutical Sciences under Dibrugarh University, Assam, India.
- First rank holder (Gold medallist) in M. Pharm, 2019-21 batch in Department of Pharmaceutical Sciences under Dibrugarh University, Assam, India.
- First rank in DURAT-2022 (Dibrugarh University Research Admission Test) entrance exam.
- Ishan Uday Fellowship (UGC): 2015-2019
- NSP Minority Scholarship: 2019

Date: 09/04/2025

Scanned Signature  
Shahnaz Alom