

CV of Alakesh Bharali

Name: Mr. Alakesh Bharali

Designation: Assistant Professor

Address for Communication: (office) Department of Pharmaceutics,
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Date of Birth: 30/12/1997

Educational Qualifications:

Sl. No.	Examination Passed	Year of passing	Board / Council / University	Specialization
1	HSLC/10 th Std.	2013	SEBA	-
2	HSSLC/10+2 Std.	2015	AHSEC	-
3	Degree (B.Pharm)	2019	Dibrugarh University	Pharmacy
4	Master's Degree (M.Pharm)	2021	Assam Science and Technology University	Pharmaceutics
5	M. Phil.(Please Specify)	-	-	-
6	Ph. D. (Pharmaceutical Sciences)	Pursuing	Dibrugarh University	Pharmaceutical Sciences
7	Post-Doctoral (Please Specify)	-	-	-

8	Others(Please Specify)	-	-	-
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Languages known: English, Assamese, Hindi

(Read, Write & Speak)

Academic/ Administrative Experience:

- Short term industrial visit in multinational upstream companies: Sula Vineyards, Sun Pharma, Serum Institute of India, Pfizer (India).
- 30 days industrial training at Signova Healthcare Pvt. Ltd
- 3 year 3 months experience as an Assistant Professor at Girijananda Chowdhury University, Assam

List of Publications:

1. **Bharali A**, Sarma H, Biswas N, Kalita JM, Das B, Sahu BP, Prasad SK, Laloo D. Green synthesis of silver nanoparticles using hydroalcoholic root extract of *Potentilla fulgens* and evaluation of its cutaneous wound healing potential. Materials Today Communications, **2023**, 35: 106050. [*Elsevier, IF: 3.8*]
2. **Bharali A**, Deka B, Sahu BP, Laloo D. Major challenges and probable scientific solutions toward the large-scale production of plant-based metallic nanoparticles: a systematic review. Nanotechnology for Environmental Engineering. **2023** Nov 1:1-9. [*Springer*]
3. Sarma S, Deka DJ, Rajak P, Laloo D, Das T, Chetia P, Saha D, **Bharali A***, Deka B. Potential injectable hydrogels as biomaterials for central nervous system injury: A narrative review. Ibrain. **2023**. [*Wiley*]
4. **Bharali A** et al. in Chakraborty R, Sen S, editors. New Avenues in Drug Discovery and Bioactive Natural Products. Bentham Science Publishers; **2023**. [*Bentham Science*]
5. Kumar S, **Bharali A**, Sarma H, Kushari S, Gam S, Hazarika I, Prasad SK, Laloo D. Traditional complementary and alternative medicine (TCAM) for diabetic foot ulcer management: A systematic review. Journal of Ayurveda and Integrative Medicine, **2023**, 14(4): 100745. [*Elsevier, IF: 2.4*]
6. Sarma SK, Dutta U, **Bharali A**, Kumar S, Baruah S, Sarma H, Laloo D, Sahu BP. Isolation of curcumin from Lakadong turmeric of Meghalaya and development of its

- PLGA-Cur-NS loaded nanogel for potential anti-inflammatory and cutaneous wound healing activity in Wistar rats. *Future Journal of Pharmaceutical Sciences*. **2023**; 9(1):1-21. [*Springer; IF: 3.5*]
7. Kalita A, Bharadwaz A, Kaushik D, Kumar S, Sarma H, Kushari S, **Bharali A**, Deka B, Hazarika I, Laloo D. *Tamilnadia uliginosa* (Retz) Tirveng and Sastre: potential application from traditional remedies to modern therapeutics. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*, **2023**, 93(1):1-5.
[*Springer, IF: 0.9*]
 8. Saikia T, Kalita T, Sahu BP, Rajak P, Deka B, **Bharali A*** in Bhattacharya K, Bhattacharjee A, editors. *Methodological improvements in computational and experimental studies of Alzheimer's disease. Mechanistic aspects of neurodegeneration in Alzheimer's disease and the role of phytochemicals*. **Taylor and Francise, 2023**. [*T&F*]
 9. Sarma S, Dutta U, Das BK, **Bharali A**, Laloo D, Kalita JM, Sahu BP. Evaluation of Lakadong Turmeric derived Curcumin Nanogel against resistant biofilms: In-silico, antibacterial and antibiofilm analysis. *Journal of Applied Pharmaceutical Science*. **2023**
 10. Borah C, Saikia T, **Bharali A**, Lahan M, Biswas N, Sahu BP. Development of Paclitaxel Proliposomal Dry Powder Inhaler (PTX-PLM-DPI) by Freeze-Drying Method for Lung Cancer. *Drugs and Drug Candidates*. **2024** Mar 5;3(1):275-90. [*MDPI*]
 11. Sonowal A, **Bharali A**, Saikia T, Kushari S, Lahon M, Kalita JM, Biswas N, Laloo D, Sahu BP. Citrus aurantifolia-derived carbon quantum dots with red fluorescence emission for codelivery with curcumin as theranostic liposomes for lung cancer. *Future Journal of Pharmaceutical Sciences*. **2024** Sep 3;10(1):116. [*Springer, IF: 3.5*]
 12. Nath J, Bordoloi C, Bharali A, Sahu BP and Laloo D. Chakraborty R, Sen S, editors. *New Avenues in Drug Discovery and Bioactive Natural Products*. **Bentham Science Publishers, October, 2024**.
 13. Sarma H, Dutta A, **Bharali A**, Rahman SS, Baruah S, Biswas N, Sahu BP. pH sensitive Lipid polymeric Hybrid nanoparticle (LPHNP) of Paclitaxel and Curcumin for targeted delivery in breast cancer. *Drug Development and Industrial Pharmacy*. **2024** Oct 27:1-4. [*T&F, IF:2.4*]
 14. Das J, Lahan M, **Bharali A**, Ghose S, Sahu BP, Laloo D, Biswas N. Enhancing resveratrol pharmacokinetics and cytotoxicity in ovarian cancer cells via nanostructured

- lipid carriers. Journal of Dispersion Science and Technology. **2024** Oct 15:1-2. [T&F, IF: 1.8]
15. Lahan M, Saikia T, Dutta K, Baishya R, **Bharali A**, Baruah S, Bharadwaj R, Medhi S, Sahu BP. Multifunctional approach with LHRH-mediated PLGA nanoconjugate for site-specific codelivery of curcumin and BCL2 siRNA in mice lung cancer. Future Journal of Pharmaceutical Sciences. **2024**;10(1):1-22. [Springer, IF: 3.5]
 16. Saikia T, Khanam A, Ahmed N, **Bharali A**, Kalita T, Rajak P, Sahu BP, Patowary L. Disrupting Tumour Niches: Advanced Strategies for Targeting the Tumour Microenvironment in Cancer Therapy. **2024** [Bentham Science]
 17. **Bharali A**, Deka B, Sarma H, Ahmed A, Bhattacharjee B, Sarma S, Kumar S, Kushari S, Devi R. The Role of Vitamin D in the Restriction of the Progress and Severity of COVID-19 Infection. Vitamin D Deficiency-New Insights. **2022** [IntechOpen]
 18. Bhargab BD, Dash B, Newar A, Ahmed A, **Bharali A**, Bordoloi B, Rohman TA, Bingari B, Bhattacharjee B, Sadhukan P, Iqbal AM. Coronavirus disease 2019: A comprehensive review on recent clinical updates and management tools for pharmacists. Pharmaceutical and Biosciences Journal. **2021** 9:01-21.
 19. Deka B, Dash B, **Bharali A**, Ahmed A. Ketamine: More than Just NMDA Blocker. InKetamine Revisited-New Insights into NMDA Inhibitors **2021** Nov 3. IntechOpen. [IntechOpen]
 20. Deka B, Bhattacharjee B, Ahmed A, Newar A, Sonowal B, Dey N, Barman D, Iqbal AM, Rajkhowa A, **Bharali A**. Clinical management of allergic rhinitis: A comprehensive review. Research Journal of Pharmacology and Pharmacodynamics. **2021**;13(1):9-16.
 21. Ahmed A, **Bharali A**, Dutta A, Chetia A, Newar A, Bhattacharjee B, Deka B, Sonowal B, Bingari B, Barman D, Sarmah D. The Role of Pharmacists in Optimizing Molecular Testing with Evolving Biomarkers and Treatment for Non-Small Cell Lung Cancer. European Journal of Molecular & Clinical Medicine. **2021** 4;8(3):2240-59.
 22. Bhattacharjee B, Deka B, Ahmed N, Sonowal B, Newar A, Ahmed A, Iqbal AM, Rajkhowa A, **Bharali A**, Das G, Bharti R. The Role of Oncology Pharmacists in optimizing patient care in Chronic Immune Thrombocytopenia. European Journal of Molecular & Clinical Medicine. **2021** 28; 8(3):279-92.
 23. Sahu RK, Salem-Bekhit MM, Bhattacharjee B, Almoshari Y, Iqbal AM, Alshamrani M, **Bharali A**, Salawi A, Widyowati R, Alshammari A, Elbagory I. Mucormycosis in Indian

COVID-19 patients: insight into its patho-genesis, clinical manifestation, and management strategies. Antibiotics. **2021** 6; 10(9):1079. [MDPI, IF: 5.2]

24. **Bharali A**, Deka B, Sarma H, Sarma S, Ahmed A, Bhattacharjee B, Das G, Das B, Upadhyaya M, Phukan M, Gogoi B. Integrating Recommendations to Improve Treatment Outcomes in the Clinical Management of Allergic Conjunctivitis. Pharmaceutical and Biosciences Journal. **2021** 11:22-40.

25. Das S, Das B, Sinha B, **Bharali A*** et al. I Guha A, editor. Biological Science: Impact on Modern Civilization, Current and Future, New Delhi Publishers; **2021**

PATENTS:

- **Patent grant: 1**

- Inventor (s): **Alakesh Bharali**, Dr. Sumanta Bhattacharya, Bramhajit Chatterjee, Dr. Sonjit Das, , Dr. Nitesh Kumar, Vikram Viswajit Binod Kumar Mishra, Dr. Amrita Mishra, Amit Samanta, Satyam Sharma
- Title: Polyherbal Formulation For Improving Infertility
- Patent number: German Patent and Trade Mark Office no. 2021106616
- Date Issued: May, 2022
- Patent Office: German Patent and Trade Mark Office (Deutsches Patent- und Markenamt)

- **Patent published: 2**

- **Patent Publication no. 1**
- Inventor (s): Lovely Chaurasia, Ms. Sakshi Garg, Dimple Singh Tomar, Dr. Md. Salahuddin, Sunayana Tyagi, **Alakesh Bharali**, Pranjal Kumar Singh
- Title: Formulation Development of Herbal Nano-Emulgel for Topical Drug Delivery
- Patent application number: Indian Patent Office no. 202211024497
- Date of Publication: 29th April, 2022
- Patent Office: Office of the Controller General of Patents, Designs & Trade Marks, Indian Patent Office
- **Patent Publication no. 2:**

- Inventor(s): Dr. Swarupananda Mukherjee, Rajkumar Ghosh, Dr. Dinesh Kumar, Kamakshi Verma, Dr. Sumit Das, Mr. Bhargab Deka, **Alakesh Bharali**
- Title: A Pharmaceutical Combination of Antimicrobials Consisting of Antibacterial and Antifungal Agent for Dental Treatment
- Patent application number: Indian Patent Office no. 202231036168
- Date of Publication: 22nd July, 2022
- Patent Office: Office of the Controller General of Patents, Designs & Trade Marks, Indian Patent Office

Research Experience:

- Doctoral thesis guided : Nil
- Research & Consultancy Projects: Applied For.

Membership of Professional bodies:

Member of “Royal Statistical Society”

Life Member of UNESCO

Award, Fellowship & Recognition:

Nil

Date: 29/12/2024

Alakesh Bharali