

RESUME



Dr. ABDUL BAQUEE AHMED, M.Pharm, Ph.D, CLM (CMI-UK)

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Address:

Principal

Girijananda Chowdhury Institute of Pharmaceutical Science-Tezpur

Dekargaon, Tezpur

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QUALIFICATION

Ph.D. (PHARMACEUTICAL SCIENCES, 2011, Dibrugarh University (ASSAM)

M. Pharm (PHARMACEUTICS), 2007, Dibrugarh University (ASSAM) (1st Class with 74.6%)

B. Pharm, 2000, Dibrugarh University (ASSAM) (1st Class with 67.8%)

H.S.S.L.C, 1996, A.H.S.E.C, ASSAM, (1st division with 70.00%)

H.S.L.C, 1993, S.E.B.A., ASSAM (2nd division with 59.44%)

OTHER QUALIFICATION

Graduate Aptitude Test in Engineering (GATE), 2002, with 93.2 percentile and AIR: 304 Conducted by Indian Institute of Science (IISc), Bangalore.

PROFESSIONAL EXPERIENCES

RESEARCH

- **Recognized Ph.D. Research Guide** of Gauhati University since 25-09-2013
- **Recognized Ph.D. Research Guide** of Assam Science and Technology University (ASTU), Guwahati since 28-03-2016
- **Five years (08) post Ph.D research experience**
- **Guided 02 Ph. D and 21 M. Pharm projects**
- **Guiding 04 Ph. D students**

ACADEMIC

15 years teaching and research experience

INDUSTRIAL

03 years industrial experience

- Worked as Production Supervisor in North Eastern Pharmaceutical Product Company (neppco), Guwahati, Assam from 03-02-2001 to 24-06-2004.

ACADEMIC AWARDS/ACHIEVEMENT

1. Received *Indian Drug Manufacturer's Association* **IDMA-GP NAIR AWARD** *certificate of Merit with a Plaque* for stood first in the final B.Pharm examination held by Dibrugarh University in 2000.
2. Stood first class second position in M.Pharm examination held by Dibrugarh University in 2006.

PUBLICATIONS

INTERNATIONAL:

1. **Ahmed AB**, Nath LK. Design and development of controlled release floating matrix tablet of nicorandil using hydrophilic cellulose and pH independent acrylic polymer: in-vitro and in-vivo evaluations. *Expert Opinion on Drug Delivery*, 2016, 13(3): 315-324 DOI: 10.1517/17425247.2016.1118047. ISSN: 1742-5247 (Print) 1744-7593 (Online).
2. **Ahmed AB**, Knowler R, Sengupta R. Atorvastatin calcium loaded chitosan nanoparticles: *in vitro* evaluation and *in vivo* pharmacokinetic studies in rabbits. *Brazilian Journal of Pharmaceutical Sciences*, 2015, 51 (2): 468-477. ISSN: 1984-8250 (Print) 2175-9790 (Online).
3. Kalita P, Roy PK, Chakraborty R, Sen S, **Ahmed AB**, Devi CM. Historical Development, Preparation, Characterization, and Pharmacokinetics of Nanoparticles: A Review. *Asian Journal of Pharmaceutics*, 2019, 12 (4): S1110-S1117.
4. Rahman SS, **Ahmed AB**. Preparation, characterization and statistical optimization of Nevirapine loaded chitosan nanoparticle for vaginal delivery. *Journal of Pharmaceutical Sciences and Research*, 2019, 11(2): 348-358. ISSN: 0975- 1459.

5. **Ahmed AB**, Das G. Effect of menthol on the transdermal permeation of aceclofenac from microemulsion formulation. *International Journal of Applied Pharmaceutics*, 2019, 11 (2), 117-122. ISSN- 0975-7058
6. Das SRC, **Ahmed AB**. Scientific evidence of *lindernia crustacea* (l) f.muell, an indigenous plant: a folklore medicine used traditionally. *International Research Journal of Pharmacy*, 2019, 10 (1), 176-183.
7. **Ahmed AB**, Ahmed R, Sengupta R. Formulation and *in-vitro/ex-vivo* characterizations of microemulsion-based hydrogel formulation of aceclofenac for topical application. *Asian Journal of Pharmaceutical and Clinical Research*, 2016, 9(1): 87-91. ISSN: 2455-3891 (online); 0974-2441 (Print).
8. **Kalita C**, Ahmed AB. Formulation and *in-vitro* evaluation of irinotecan loaded mucoadhesive microspheres made of chitosan-alginate mixture by using ionotropic gelation technique. *International Journal of Drug Research and Technology*, 2016, 6 (3), 127-137. ISSN 2277 – 1506 (online).
9. **Ahmed AB**, Sengupta R, Deb R. Design, development and evaluation of hollow microspheres of Repaglinide. *Journal of Chemical and Pharmaceutical Research*, 2014, 6(9):267-277. ISSN : 0975-7384
10. **Ahmed AB**, Nath LK. Drug-excipients compatibility studies of nicorandil in controlled release floating tablet. *International Journal of Pharmacy and Pharmaceutical Sciences*, 2014, 6(2), 468-475. ISSN : 0975-1491
11. **Ahmed AB**, Development and Optimization of Mucoadhesive Matrix Tablet for Nicorandil: *In-vitro* Evaluation and *In-vivo* Gastro-Retention. *Inventi Impact: Pharm Tech*, 2013, (3), 1-11. ISSN : 0976-3783
12. **Ahmed AB**. Penetration enhancing effect of naturally occurring terpenes on skin permeation of rofecoxib from transdermal gel for topical application. *Der Pharmacia Lettre*, 2014, 6 (4):278-282. ISSN : 0975-5071
13. **Ahmed AB**, Nath LK. Fabrication and *in vitro* evaluation of floating matrix tablet of nicorandil using factorial design. *Journal of Pharmacy Research* 2011, 4 (6), 1950-1954. ISSN : 0974-6943
14. Das MK, **Ahmed AB**. Skin permeation enhancement effects of ascorbic acid and triethyl citrate on rofecoxib. *Malaysian Journal of Pharmaceutical Sciences*,

- 2008, 6(1), 69-86.
15. Das MK, **Ahmed AB**. Formulation and *ex vivo* evaluation of Rofecoxib gel for topical application. *ActaPoloniaePharmaceutica- Drug Research*, 2007; 64(5):461-467. ISSN : 0001-6837
 16. Sengupta R, **Ahmed AB**. Evaluation of antidiarrheal activity of ethanolic extract of *Bauhinia variegata*(leguminosae) stem bark in Wistar albino rats.*International Journal of Pharmaceutical and Biomedical Research*, 2015, 5(1), 1-6. ISSN No: 0976-0350.
 17. Patwari BN, **Ahmed AB**, Das T, Sengupta R. Phytochemical screening and analgesic effects of ethanolic extract of plant *Murdanianudiflora* (l) brenan (commelinaceae) in albino mice using hot plate method.*International Journal of Pharmacy and Pharmaceutical Sciences*, 2014, 6(7): 512-515. ISSN : 0975-1491
 18. Sungupta R, **Ahmed AB**, Banik JK. Pharmacognosticevaluation of *TerminaliaArjunabark* on different marketed samples.*Der Pharmacia Lettre*, 2014, 6 (3):299-303. ISSN : 0975-5071
 19. Konwar R, **Ahmed AB**. Nanoparticle: An overview of preparation, Characterization and application. *International Research Journal of Pharmacy*, 2013, 4 (4), 47-57.ISSN : 2230-8407
 20. Deb R, **Ahmed AB**. Pellet and Pelletization techniques: A critical review. *International Research Journal of Pharmacy*, 2013, 4 (4), 90-95.ISSN : 2230-8407
 21. Bhunia B, Behera KK, **Baquee A**, Hunuman PD. Optimization of Alkaline Protease Activity from *Bacillus Subtilis* 2724 by Response Surface Methodology (Rsm). *International Journal of Biological Sciences and Engineering*, 2010; 1(2), 158-169.ISSN : 0976-1519
 22. Rahman SS, **Ahmed AB**. Preformulation Studies and Prototype Formulation Development of Nevirapine Loaded Chitosan Based Nanoparticle for Vaginal Drug Delivery System. *International Journal of Pharmacy and Pharmaceutical Research*, 2017, 7(1), 584-596. ISSN 2349-7203.
 23. **Ahmed AB**, Das D, Sengupta R. Comparative antipyretic activity of ethanolicextracts of some species of *Cynodonin* rabbits. *Journal of*

- Pharmacognosy and Phytochemistry 2016; 5(6): 361-365. ISSN 2278-4136.
24. Rahman SS, **Ahmed AB**. Vaginal Drug Delivery System a Promising Approach for Antiretroviral Drug in the Prevention of HIV Infection: A Review. *Journal of Pharmaceutical Sciences and Research*, 2016, 8(12): 1330-1338. ISSN: 0975-1459.
 25. Sarkar T, **Ahmed AB**. Development and *in-vitro* characterisation of chitosan loaded paclitaxel nanoparticle. *Asian Journal of Pharmaceutical and Clinical Research*, 2016, 9(3): 145-148. ISSN: 2455- 3891.
 26. Rahman SS, **Ahmed AB**. Formulation and evaluation of nevirapine loaded polyethylene oxide based nanoparticle for vaginal drug delivery system. *International Journal of Pharmacy & Technology*. 2017; 9(2), 30025-30038. ISSN: 0975-766X.
 27. **Ahmed AB**, Bhaduri I. Development and Evaluation of Assam Bora Rice Starch-Carbopol Based Oral Mucoadhesive Gel of Irinotecan for Mouth Cancer. *Journal of Pharmaceutical Sciences and Research*, 2017, 9(7): 1139-1146. ISSN: 0975-1459.
 28. Das A, **Ahmed AB**. Natural permeation enhancer for transdermal drug delivery system and permeation evaluation: a review. *Asian Journal of Pharmaceutical and Clinical Research*, 2017, 10 (9): 5-9. ISSN: 2455-3891 (online), 0974-2441 (Print).
 29. **Ahmed AB**, Bhaduri I. Chemical modification, characterization and evaluation of mucoadhesive potentiality of Assam bora rice starch. *International Journal of Pharmacy and Pharmaceutical Sciences*, 2017, 9(9), 132-137. ISSN: 0975-1491.
 30. Das A, **Ahmed AB**. Formulation and evaluation of transdermal patch of indomethacin containing patchouli oil as natural penetration enhancer. *Asian Journal of Pharmaceutical and Clinical Research*, 2017, 10(11), 320-325. ISSN: 2455-3891 (online) 0974-2441 (Print).
 31. Kar A, **Ahmed AB**. Enhancement of solubility and dissolution of ibuprofen by solid dispersion technique and formulation of sustained release tablets containing the optimised batch of solid dispersion. *International Journal of Current Pharmaceutical Research*, 2017, 9 (5), 37-44. ISSN: 0975-7066.

32. Dewan N, **Ahmed AB**, Dasgupta D. Review on colon targeted drug delivery for inflammatory bowel disease. *The Pharma Innovation Journal*, 2018, 7(1): 98-103. ISSN (E): 2277- 7695: ISSN (P): 2349-8242.
33. Deka M, **Ahmed AB**, **Chakraborty J**. Development, evaluation and characteristics of ophthalmic in situ gel system: a review. *International Journal of Current Pharmaceutical Research*, 2019, 4 (11), 47-53. ISSN:0975-7066.

NATIONAL:

1. Bhunia B, Pani N, Palit P, **Ahmed AB**. Improvement of physiological barrier's impact on oral biotechnological drug delivery: An Overview. *Pharmawave*, 2009; 4, 77-85.

CONFERENCE PROCEEDINGS:

1. **Ahmed AB**, Ahmed R. Development and Evaluation of Microemulsion System for Transdermal Delivery of Aceclofenac using Natural Oil. *International Conference cum Exhibition on Drug Discovery and Development from Natural Resources*, (Proceeding) Department of Pharmacy RIPANS (An autonomous Institute under the Ministry of Health and Family Welfare, Government of India), Aizawl, India, 5-6th February, 2014.(ISBN-978-81-923224-1-4).
2. Rahman SS, **Ahmed AB**, Nath B. Use of naturally occurring polysaccharide in the development of mucoadhesive tablet of pantoprazole for the treatment of Helicobacter pylori infections. *Bioprospecting of gene pool trends and prospects in north east india, proceedings of the UGC sponsored national seminar*, Kamrup, India 2015; 156-168 (ISBN 978-81-922965-2-4).

CONFERENCE ABSTRACT/ORAL/POSTER PRESENTATION

1. Rahman SS, **Ahmed AB**. Preformulation studies and prototype formulation development of nevirapine loaded chitosan based nanoparticle for vaginal drug delivery system. *One day national seminar on "Emerging Trends In Pharmaceutical Education and Research"* 07th May 2016, Girijananda Chowdhury Institute of Pharmaceutical Science, Guwahati-17.
2. **Ahmed AB**, Sarkar T. Formulation and evaluation of chitosan loaded paclitaxel nanoparticle for the treatment of cancer. *One day national seminar*

on “*Emerging Trends In Pharmaceutical Education and Research*” 07th May 2016, Girijananda Chowdhury Institute of Pharmaceutical Science, Guwahati-17.

3. Das D, **Ahmed AB**. Pharmacognostic evaluation of the ethanolic extract of *cynodon dactylon* plant. *One day national seminar on “Emerging Trends In Pharmaceutical Education and Research”* 07th May 2016, Girijananda Chowdhury Institute of Pharmaceutical Science, Guwahati-17.
4. **Ahmed AB**, Kalita C. Development and evaluation of irinotecan loaded microspheres using chitosan-alginate mixture by ionotropic gelation technique. *One day national seminar on “Emerging Trends In Pharmaceutical Education and Research”* 07th May 2016, Girijananda Chowdhury Institute of Pharmaceutical Science, Guwahati-17.
5. Das B, **Ahmed AB**. Formulation and evaluation of calcium crosslinked sago starch-alginate beads of pantoprazol by the ionotropic gelation method for the treatment of helicobacter pylori infections. *International Conference on Disease Biology and Therapeutics (ICDBT)*, 2014, 157.
6. **Ahmed AB**, Ahmed R. Development and Evaluation of Microemulsion System for Transdermal Delivery of Aceclofenac using Natural Oil. *International Conference cum Exhibition on Drug Discovery and Development from Natural Resources*, Department of Pharmacy RIPANS (An autonomous Institute under the Ministry of Health and Family Welfare, Government of India), Aizawl, India, 5-6th February, 2014.
7. **Ahmed AB**, Sarma A. Role of naturally occurring terpenes on skin permeation of rofecoxib from transdermal gel for topical application. 18th International Conference (Post: ISCBC-2012), *Institute of Advanced study in Science & Technology, Guwahati and Indian Society for Chemist & Biologist, Lucknow, India. 28th -30th January, 2012.*

AICTE, MHRD, GOVT. OF INDIA SPONSORED PROJECT RECEIVED

1. Title of the project “ Development of nano carriers using isolated biomaterials from “**Komal Saul**” a soft variety of rice grown in Assam for drug delivery applications” Grant-in-aid sanctioned Rs. 25,00,000/- via Ref.No.: File No.8-109/RIFD/RPS-NER/Policy-1/2018-19.

2. Title of the project “*Development of Pharmaceutics Laboratory*” Grant-in-aid sanctioned Rs. 1380000/- via letter no. 8024/RIFD/MOD (NER)-15/2010-11.

AICTE, MHRD, GOVT. OF INDIA SPONSORED PROGRAMME ATTENDED

1. Attended **Two weeks Quality Improvement Programme (QIP)** entitled “*Novel Drug Delivery Systems in Herbal Drugs*” from 04th -17th December, 2011 at Birla Institute of Technology, Meshra (Ranchi), India
2. Attended **Two weeks Staff Development Programme (SDP)** on “*Emerging Trends and Practices in Management*” from 07th -19th May, 2012 at Girijananda Chowdhury Institute of Management And Technology, Azara, Guwahati, India.

ANALYTICAL INSTRUMENTS HANDLING SKILL

1. Undergone one month training in “*Regional Drug Testing Laboratory*”, Govt. of India, Guwahati, During the training period I have undergone training in handling different sophisticated instruments like, HPLC, FT-IR, UV-Spectrophotometer, Flame Photometer etc. and testing of different quality control and microbiological testing of drugs.
2. In charge of *Central Instrumentation Facilities (CIF)* of Girijananda Chowdhury Institute of Pharmaceutical Science, Azara, Guwahati. The Institute CIF contains HPLC, DSC, Nano S-90 particle size analyzer, FT-IR, Brookfield Viscometer, Texture Analyzer, UV-Spectrophotometer, Cell counter.

DECLARATION

I do hereby declare that the above information's are true to the best of my knowledge, incase of any false statement I will be liable to action.

Date:

Yours' Sincerely

Dr. Abdul Baquee Ahmed

GIPS-Tezpur

Tezpur, Assam