



Name : **Md. Qamrul Ahsan**
 Position : **Assistant Professor, Department of Pharmacy
 Additional Director, IQAC, Southern University Bangladesh.**
 Email : ahsanpharma07@gmail.com
 qamrul_ahsan@yahoo.com
 qamrul2010@southern.ac.bd
 Mobile : +8801714334144

About:

Currently Md. Qamrul Ahsan is an Assistant Professor in Department of Pharmacy, Faculty of Science & Engineering, Additional Director, IQAC, Southern University Bangladesh. He has been the member of Editorial Boards of international journals including International Journal of Pharmaceutical and Life Sciences.

His contributions to science include publications in scientific journals, articles to local and international supports to scientific community around the world. He has published 30 articles and two books including research papers in journals like Pharmaceutical Technology, Pharmacognosy & Photochemistry, Clinical Research and Pharmacology.

He has been promoting science in Bangladesh. He is the member joint secretary of the organization called Centre for Health Agriculture and Socio-economic Advancements (CHASA), which was incepted in 2008 at Lalmonirhat, Bangladesh. Since its inception, CHASA has provided more than 150 scholarships to local students at various levels from primary to college and supported research projects at universities which resulted in a few scientific publications. Md. Qamrul Ahsan received scholarships from school, college and university.

Educational Qualifications

Examination	Year	Institute/University
Secondary School Certificate (equiv to 10 th grade)	2000	Lalmonirhat Govt. high school, Rajshahi Board.

Higher Secondary Certificate (equiv to 12 th grade)	2002	Police Line school & college, Rajshahi Board.
B. Pharm (Hons.)	2003-2007	Tamil Nadu Dr.M.G.R.Medical University, Tamilnadu, India.
MS. in Pharm. Tech. (Thesis)	2008-2009	The University of Asia Pacific, Bangladesh
Ph D (Fellow)	2019-2020	Institute of Biological Sciences, University of Rajshahi, Rajshahi.

Publications:

2021

1. **MQ Ahsan***, MT Alam, MMU Chowdhury, MT Nasim and SMS Islam. *In-vitro* and *in-vivo* evaluation of pharmacological activities of *pouzolzia Sanguinea*. Journal of Bio-Science. ISSN: 1023-8654, Volume 29, Issue 02, 2021. Page No.: 31-42.

2020

2. Tahmina Abeda, Md. Jakir Hossain, Suhana Manzur Chowdhury, Sirajum Munira, Mohammed Ibrahim, **Md. Qamrul Ahsan** and Md. Shahidul Islam* Phytochemical and Pharmacological Activities of Different Fractional Extracts of *Firmiana colorata* R. Br. (Family: Malvaceae) Leaves. **Journal of Pharmacology and Clinical Research**. ISSN: 2473-5574, Volume 08, Issue 03, 2020. Page No.: 45-54.

2018

3. Sayema Sultana, Abdullah Al Faruq, Nahid-Al-Rashid, Dr. Talat Nasim and **Md. Qamrul Ahsan*** *In-vitro* anti-Inflammatory, anti-oxidant and *in-vivo* analgesic, anti-diarrheal activities of fractional leaf extracts of *hibiscus surattensis*. **European Journal of Pharmaceutical and Medical Research**. ISSN: 2394-3211, Volume 05, Issue 04, 2018. Page No.: 167-173.

2016

4. Mohammad Hossain, Md. Mazharul Islam, Md. Abul Kalam Azad, Abdullah Al Faruq, Syed Mohammed Tareq and **Md. Qamrul Ahsan***. *In-vivo* investigation of analgesic, antipyretic anti-diarrheal and anxiolytic activity of *blumea densiflora* DC. **European Journal of Pharmaceutical and Medical Research**. ISSN: 2394-3211, Volume 03, Issue 11, 2016. Page No.: 50-55.
5. Md. Abul Kalam Azad, **Md. Qamrul Ahsan***, Abdullah Al Faruq, Syed Mohammed Tareq, Mohi Uddin Chowdhury. *In-vitro* anti-inflammatory, anti-oxidant and thrombolytic activities of methanolic extract of traditionally used medicinal plant *Ixora villosa*. **ASIO-JMHSR**. ISSN: -, Volume 01, Issue 01, 2016. Page No.: 5-11.

2015

6. Sarrin Shahadat, Syed Mohammed Tareq, M. Mohi Uddin Chowdhury and **Md. Qamrul Ahsan***. *In-vivo* analgesic, antipyretic potential in swiss albino mice and *in-vitro* anti-inflammatory evaluation of *Flemingia macrophylla* (Willd.). **International Journal of pharmacognosy and phytochemistry**, recent science publication, UK. **ISSN: 2051-7858**, Volume 30, Issue 1, 2015. Page No.: 1308-1312.
7. Zilly Homa, **Md. Qamrul Ahsan**, Md. Mofizur Rahman*, Mohammed Ibrahim, Nazneen Ahmeda Sultana, Sajida Haque, M. Mohi Uddin Chowdhury. Design, development and *in-vitro* evaluation of Amlodipine besylate effervescent floating tablets by using different polymers. **Pharmaceutical and biological evaluations; ISSN 2394-0859**, Volume 2 Issue 5, 2015. Page No.:179-187.

2014

8. Md Mofizur Rahman, **Md Qamrul Ahsan**, Abul Bashar Ripon Khalipha, Md. A. K. Azad, Nazneen Ahmed Sultana, Sophi Hossain, Sanjida Haque. Formulation and *In-vitro* evaluation of oral sustained release drug delivery system for Lamivudine matrix tablets using methocel K15M CR polymer. **European Scientific Journal; ISSN (print) 1857-7881, online 1857-1857, Volume 10 Issue 24, 2014. Page No.:351-363.**
9. Abul Khair, Mohammed Ibrahim, **Md. Qamrul Ahsan**, Zilly Homa, Md. Ruhul Kuddus, Ridwan Bin Rashid³ and Mohammad Abdur Rashid. Pharmacological Activities of *Blumea lacera* (Burm. f) DC: A Medicinal Plant of Bangladesh. **British Journal of Pharmaceutical Research; ISSN: 2231-2919**, Volume 4, Issue 13, 2014. Page No.: 1677-1687.
10. Md. Anisuzzaman, **Md. Qamrul Ahsan**, Md. Ruhul Kuddus, Mohammad Abdur Rashid. Pharmacological Activities of *Senna obtusifolia* Linn.: A Medicinal Plant of Bangladesh. **Bangladesh Pharmaceutical Journal; ISSN: 0301-4606**, Volume17, Issue 2, 2014. Page No.: 182-186.
11. Khair, M.A., **Ahsan, Q.**, Kuddus, M.R. Rashid., R.B. and Rashid, M.A. Preliminary phytochemical screenings and pharmacological activities of *Blumea lacera*. (Burn.f.). **The Dhaka Univ. J. Pharm. Sci.; ISSN 1022-2502**, Volume 13, 2014. Page No.: 63-69.
12. Mohammed Ibrahim, Tajmira Tarrannum, **Md. Qamrul Ahsan**, Md. Ruhul Kuddus, Ridwan Bin Rashid and Mohammad Abdur Rashid. Analgesic, anti-inflammatory and anxiolytic activities of *sarcochlamys pucherrima* gaudich. **Caribbean Journal of Science and Technology; ISSN: 0799-3757**, Volume 2, 2014. Page No.: 295-300.
13. Mohammed Ibrahim, Tajmira Tarrannum, **Md. Qamrul Ahsan**, Md. Ruhul Kuddus, Ridwan Bin Rashid and Mohammad Abdur Rashid. Anti-diarrheal, anti-microbial and membrane stabilizing activities of *sarcochlamys pucherrima* gaudich. **Caribbean Journal of Science and Technology; ISSN: 0799-3757, Volume 2, 2014. Page No.: 263-269.**

2013

14. Md. Arafat Hossan, Mohammed Ibrahim, **Md. Qamrul Ahsan**, Fahima Aktar, Md. Ruhul Kuddus, M. Mohi Uddin Chowdhury and Mohammad A. Rashid. Pharmacological and Phytochemical Screenings of Ethanol Extract of *Etlingera linguiformis* (Roxb.) R.M.Sm. Growing in Bangladesh. *Bangladesh Pharmaceutical Journal*; ISSN: 0301-4606, Volume 16, Issue 1, 2013. Page No.: 33-37.

2012

15. **Md Qamrul Ahsan***, Md Mofizur Rahman, A K M Moyeenul Huq, Mohammad Ibrahim, Ishtiaq Ahmed, Md A K Azad, Abul Bashar Ripon Khalipha. Development and *in-vitro* evaluation of Salbutamol Sulphate Sustained release matrix tablets using methocel K15 MCR and methocel K100 MCR polymers. *Inventi Impact Pharma Tech.*; ISSN 0976-3783, Volume 2 Issue 1, 2012.
16. Khan Md. Ahad Ali, **Md. Qamrul Ahsan**, Prasanta Paul, Md. Hasanuzzaman, Ayesha Mahmood. Antinociceptive activity of the ethanolic extract of *Jasminum Scandens* Vahl. *International Research Journal of Pharmacy*; ISSN: 2230-8407. Volume 3, Issue 3, 2012. Page No.: 128-131. IC: 5.09.
17. Md. Torequl Islam, Mohammed Ibrahim, **Md. Qamrul Ahsan**, M. Mohi Uddin Chowdhury, Md. Aslam Hossain and Mohammad A. Rashid. Phytochemical and Pharmacological investigations of *Uraria lagopodides* DC. and *lobata* L. *Dhaka Univ. J. pharm. Sci.*; ISSN: 1022-2502, Volume 11, Issue 1, 2012. Page No.:65-69.
18. Md. Armin Minhaz, Md. Mofizur Rahman, **Md. Qamrul Ahsan**, Md. Habibur Rahman and Md. Raihan Chowdhury. Enhancement of solubility and dissolution properties of clonazepam by solid dispersions. *Asian journal of pharmaceutical research*; ISSN 2231-3621, Volume 2, Issue 1, Page No.:57-65.
19. Md. Armin Minhaz¹, Md. Mofizur Rahman², **Md. Qamrul Ahsan**¹, Abul Bashar Ripon Khalipha² and Mohammed Raihan Chowdhury¹. Dissolution enhancement of poorly soluble drug by solvent evaporation method using hydrophilic polymer: A solid dispersion technique. *International Journal of Pharmaceutical and Life Sciences*; ISSN 2305-0330. Volume 1, Issue 2, 2012. Page No.:1-18.
20. Md. Mofizur Rahman, Md. Rezaul Karim, **Md. Qamrul Ahsan**, Abul Bashar Ripon Khalipha, Mohammed Raihan Chowdhury and Md Saifuzzaman. Use of computer in drug design and drug discovery: A review. . *International Journal of Pharmaceutical and Life Sciences*; ISSN 2305-0330, Volume 1, Issue 2, 2012. Page No.:1-21.
21. Md. Mofizur Rahman, Abul Basar Khalphan, Amit Kumar Chaurasiya, **Md. Qamrul Ahsan**, Zakaria Faruki, and Md. Jannatu Ferdous. Synergistic effects of disintegrants on

release of poorly water soluble drug. *International Journal of Pharmaceutical and Life Sciences*; ISSN 2305-0330, Volume 1, Issue 3, Page No.:1-11.

22. Mohammed Ibrahim, Joy Baura, **Md. Qamrul Ahsan**, Torequl Islam, Zilly Homa, M. Mohi Uddin Chowdhury, Md. Aslam Hossain and Mohammad A. Rashid. Preliminary phytochemical and pharmacological investigations of *Alpinia conchigera* Griff. and *Plumago indicial* L. *Bangladesh Pharmaceutical Journal*; ISSN 0301-4606, Volume 15, No.1, 2012. Page No.: 153-157.

2011

23. **Md. Qamrul Ahsan**, Md. Mofizur Rahman, Mithilesh Kumar Jha, Ishtiaq Ahmed, Md. Mizanur Rahman Moghal, Md. Habibur Rahman. Development and *in-vitro* evaluation of sustained release matrix tablets of salbutamol sulphate using methocel K100M CR polymer. *International Journal of Pharmaceutical Science and Research*; ISSN 0974 – 8232, Volume 2, Issue 3, 2011. Page No.: 567-576.
24. Md. Mofizur Rahman, **Md. Qamrul Ahsan**, Mithilesh Kumar Jha, Ishtiaq Ahmed, Md. Habibur Rahman. Effect of mannitol on release of lamivudine sustained release matrix tablets using methocel K15M CR polymer. *Inventi Impact Pharma Tech.*; ISSN 0976-3783, Volume 2 Issue 1, 2011. Page No.:1-5.
25. Md. Mofizur Rahman, Sayeed Hasan, Md. Ashiqul Alam, Sumon Roy, Mithilesh Kumar Jha, **Md. Qamrul Ahsan**, Md. Habibur Rahman. Formulation and evaluation of Ranolazine sustained release matrix tablets using Eudragit and HPMC. *Pharmaceutical and Biomedical Research*; ISSN No: 0976-0350, Volume 1, Issue 5, 2011. Page No.: 172-177.
26. A.K.M. Moyeenul Huq, Shihab Uddin Ahmed, **Md. Qamrul Ahsan**. Design and *in-vitro* evaluation of compressed Kollidon® SR based Salbutamol Sulphate microcapsules: Effect of talc. *Journal of Chemical and Pharmaceutical Research*; ISSN: 0975-7384, Volume 3, Issue 1, 2011. Page No.:14-23.
27. Mohammad Ahad Ali Khan, Mohammad Toriqul Islam, Md. Ashikur Rahman and **Qamrul Ahsan**. Antibacterial activity of different fractions of *Commelina benghalensis* L. *Pelagia Research Library*; ISSN: 0976 –8688. Volume 2 Issue 2, 2011. Page No.:320-326.
28. Md. Mofizur Rahman, Mithilesh Kumar Jha, **Md. Qamrul Ahsan** and Taslima Begum. Effect of Various Grades of Hydroxypropylmethylcellulose Matrix Systems as Oral Sustained Release Drug Delivery Systems for Ranolazine. *IJPI's Journal of pharmaceuticals and Cosmetology*; ISSN 2229 – 6832, Vol. 1, Issue 2, 2011. Page No.: 81-92.

29. Md. Mofizur Rahman, Sumon Roy Sayeed Hasan, Md. Ashiqul Alam, Mithilesh Kumar Jha, **Md. Qamrul Ahsan** and Md. Jannatul Ferdous. Effect of mode of addition of disintegrants on dissolution of model drug from wet granulation tablets. *International Journal of Pharma Science and Research*; ISSN: 2229-6832, Volume 2 Issue 2, 2011. Page No.: 84-92.
30. Md. Mofizur Rahman, Sumon Roy Sreedha, Das, Mithilesh Kumar Jha, Taslima Begum, **Md. Qamrul Ahsan**, Md. Shariful Islam and Md. Selim Reza. Evaluation of various grades of hydroxypropylmethylcellulose matrix systems as oral sustained release drug delivery systems. *Journal of Pharmaceutical Sciences and Research*; ISSN: 0975-1492, Volume 3, Issue 1, 2011. Page No.: 930-938.
31. Md. Mofizur Rahman, Sumon Roy Sreedha, Chandra Das, Mithilesh Kumar Jha, **Md. Qamrul Ahsan**, Md. Shaparan and Md. Selim Reza. Formulation and evaluation of hydroxypropylmethylcellulose based matrix systems as oral sustained release drug delivery systems for cirpofloxacin hydrochloride. *International Journal of pharmaceutical Sciences Review and Research*; ISSN: 0976 – 044X, Volume 6, Issue 2, 2011. Page No.:34-41.

BOOKS

1. **Md. Qamrul Ahsan**, Shahana Sharmin, Istique Ahmed. Sustained Release Tablet of Salbutamol Sulphate-Effects of Hydrophilic Polymers. Pharmacy LAP, *LAMBERT Academic Publishing*; ISBN: 978-3-659-22441-6. 2012.
2. Sanila Showline Chowdhury, Md. Qamrul Ahsan, M. Mohiduddin Chowdhury. Phytochemical and Pharmacological investigation of *acinidia deliciosa*. LAP, *LAMBERT Academic Publishing*; ISBN: 978-620-2-51303-6. 2020.

Experiences:

Job Experiences:

Assistant Professor, Department of Pharmacy, Faculty of Science and Engineering, **Southern University Bangladesh**, Arefin Nagar, Chattogram from January 2016 to up to date.

Lecturer, Department of Pharmacy, Faculty of Science and Engineering, **Southern University Bangladesh**, Chattogram from February, 2010 to September 2015.

Lecturer, BIMDT, (**Bangladesh Institute of Medical and Dental Technology, Under State College of Health Science, State University of Bangladesh**), Department of Pharmacy, Dhaka from January, 2008 to January 2010.

Additional Director, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, Arefin Nagar, Chattogram from November 2021 to up to date.

Former **Convener of Transport Committee**, Southern University Bangladesh.

Experience On

- Formulation and Development of Pharmaceutical Dosage Form.
- Biopharmaceutical Evaluation of Drug Products.
- Isolation & purification of plant constituents and various biological works of bioactive principles from the natural plant sources.
- *In-vitro* & *in-vivo* various practical experiment in Laboratory.
- Instrumental handling technique on UV, IR, FP, AAS, mass spectroscopy, TLC, HPLC, GC etc.
- Instrumental handling technique on PCR, tablet machine, dissolution, sonicator, etc.

Conducted Courses

Pharmaceutical Analysis, Pharmaceutical Analysis Lab, Pharmaceutical Instrumental Analysis, Modern Instrumental Analysis & Quality Assurance, Modern Instrumental Analysis & Quality Assurance Lab, Toxicology, Medicinal Chemistry & Drug Discovery.

Pharmacognosy and Phytochemistry, Chemistry and Synthetic drugs, Pharmacology and Toxicology, Hospital and Clinical Pharmacy, Pharmaceutical Technology, Forensic Pharmacy, Formulation and Industrial Pharmacy, Advanced Pharmacognosy, Modern Methods of Pharmaceutical Analysis, Advanced Pharmaceutical Technology, Modern Drug Delivery Technology, Biopharmaceutics and Pharmacokinetics.

Membership & Professional Activities:

- Joint secretary of the organization Centre for Health Agriculture and Socio-economic Advancements (CHASA)
- Member of Editorial Board, International Journal of Pharmaceutical and Life Sciences.
- Member of BSPUA (Bangladesh Society for Private University Academics)
- Member RBS (Rangpur Bibak Somity, Chattogram)

Research Interest:

Present Research Works

- Design, development and evaluation of the effects of different polymers on drug release from various dosage forms.
- Evaluation of some local medicinal plants as well as some toxic species from different areas of Bangladesh particularly for (*in vitro* and *in vivo*) analgesic, antipyretic anti-inflammatory, anti-microbial, antioxidant, clotlysis activities etc.

- Biological activity screening of biological fluids from human as well as cattle.
- Isolation and structure elucidation of active components of the plant extracts and biological fluids.

Further Interest

- Formulation and evaluation of pharmaceutical dosage form.
- Infectious and inflammatory diseases.
- Recombinant DNA technology.
- Vaccine and immunology.
- Structure elucidation active components of the plant extracts.

Skills

- General Skills in Laboratory Project Management.
- Statistical Analysis of Data using Various Software.
- Different Pharmaceutical Instrument Handling Technique.
- Design, Formulation and Development of Pharmaceutical Dosage Form.

Conference

- *In vivo* Pharmacological Evaluation of Two Medicinal Plant Species grown in Chittagong Hill Tracts of Bangladesh, Annual Plant Tissue Culture & Biotechnology Conference 2023, Organized by: Bangladesh Association for Plant Tissue Culture & Biotechnology, BCSIR, Rajshahi.
- Phytochemical analysis and *in-vitro* evaluation of four different medicinal plant species at Chittagong hills tracts, 1st International Conference on Nano-bio and Advanced Materials Engineering (NAME-2023).
- International Conference on Sustainable Development (ISCD) 2015, Radisson Blu, Chittagong, Bangladesh.
- Second International Conference Indo-Canadian satellite symposium on Pharmaceutical Sciences, Technology, Practice and Natural Health Products, 2007, JSS College of Pharmacy, Ooty, **India**.

Training

- Outcome-Based Education: Emergence, Benefits, Approaches and Structure, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, 2018.
- Salient Elements of Outcome Curriculum, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, 2018.
- Learning Outcome, Assessment System, Curriculum Design and Self-Assessment, Institutional Quality Assurance Cell (IQAC), 2016, Southern University Bangladesh, Chittagong, Bangladesh.
- In plant training in PROTEC (Laboratories Pvt. Ltd.) 2007, Mazagaon, Mumbai- 400010, **India**.

Seminars

- Quality Control and Quality Assurance in Pharmaceutical Industry, Faculty of Pharmaceutical Science, Assam Down Town University, Guwahati, Assam, **India, 2020.**

Workshop

- “Outcome-based Education: Theories and Practices” on 28th of June 2022.
- “Outcome-based Education: Theories and Practices” on 7th of April till 12 of April 2022.
- Proposed Faculty Ordinance for Southern University Bangladesh, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, 2018.
- Online Academic Management, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, 2018.
- Quality Pharmacy Education at the Tertiary Level: Some Relevant Issues, Institutional Quality Assurance Cell (IQAC), Department of Pharmacy, Southern University Bangladesh, 2018.
- Post Self-Assessment Improvement Plan, Self-Assessment Committee (SAC), Department of Pharmacy, Southern University Bangladesh, 2018.
- Modern Teaching Methodology, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, 2018.
- Good Governance in the Higher Education of Bangladesh, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, 2018.
- Review & Modification of University Rules, Regulations and Ordinance for Good Governance, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, 2018.
- Advanced Research Methodology: Tools & Techniques, Institutional quality assurance cell (IQAC), Southern University Bangladesh, 2018.
- Role and Responsibility & Ethical Principles of University Teachers, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, 2018.
- Sharing the Survey Results, Self-Assessment Committee (SAC), Department of Pharmacy, Southern University Bangladesh, 2018.
- Assessment Strategy for Students, Institutional quality assurance cell (IQAC), Southern University Bangladesh, 2018.
- Team Building: A Major Constituents of Self-Assessment” Department of Pharmacy, Southern University Bangladesh, Chittagong, Bangladesh, 2017.
- Online Teaching, Examination and Evaluation Techniques, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, Chittagong, Bangladesh, 2017.
- Online Academic Management, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, Chittagong, 2017.
- University Act, Policies, Ordinance and Rules, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, Chittagong, 2017.
- Research Methods, Tools & Techniques and Scientific Method of Report Writing, Institutional Quality Assurance Cell (IQAC), Southern University Bangladesh, Chittagong, Bangladesh, 2016.
- 58th Indian Pharmaceutical Congress, Bombay Exhibition Centre, Mumbai, **India, 2006.**

Teaching Skills

- Preparing and delivering class lectures, taking class tests, class assignments and evaluating them.
- Supervising and conducting research (project) works of students at the end of their graduation as part of the syllabus.
- Helping students to write project papers and preparing articles from their research works for publication in the scientific journals.
- Regularly supervise practical classes for B. Pharm. students and have supervised the undergraduate research projects of final year students.
- Have lead several seminars for undergraduates in pharmacy students.