

CURRICULUM VITAE



PERSONAL INFORMATION

Name **DR. MOHAMMAD BORHAN UDDIN**
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HIGHLIGHTS

- Teaching experience since 2007 till to date in the Dept. of Pharmaceutical Sciences, North South University, Bangladesh. More than three years research experience in biomedical science and chemical engineering field during PhD study in MONASH University. More than two years teaching experience as Graduate Teaching Assistant (course: Microbiology) in Ryerson University, Toronto. Almost two years' research experience in microbiology laboratory, Ryerson University, Toronto (2011-2013), more than two years' experience in conducting microbiology lab with undergraduate students in Ryerson University, Toronto, Canada.
- The title of Ph.D. thesis was " Evaluation of inorganic nano-crystals as potential tools for delivery of siRNA targeting ion channels and transporters in breast cancer cells ' at MONASH University in Biomedical Sciences under Jeffrey Cheah School of Medicine. The thesis results might be useful for future the transfection efficacy or gene silencing by the delivery of hybrid carbonate apatite nanoparticles-siRNA complexes in breast cancer cells with a view to developing a novel method in pre-clinical and clinical applications.
- The title of MSc. thesis was "Conjugative transfer of plasmid pJP4 in defined biofilms and catabolic activity of transconjugant cells" at Ryerson University (Toronto, Canada) in Molecular Science program under Department of Chemistry and Biology. The main objective of the thesis was to study the biodegradation (plasmid mediated genetic bioaugmentation) of a chemical pollutant 2,4-dichlorophenoxyacetic acid widely used in USA and Canada.
- Three masters' degrees, Two (Master in Pharmacy and MBA) from Bangladesh and One master degree in Molecular Science from Canada.
- Excellent graduate poster presentation award in the scientific symposium hosted by Ryerson University, Toronto. Awarded full time merit scholarships during Ph.D. and MSc, studies abroad.

EDUCATION

- Dates (from – to) 2017- 2020
 - Name of organization MONASH University; Melbourne; Australia
 - Principal subject Biomedical Sciences
 - Title of qualification awarded **Ph.D.**
 - Status Passed all milestones as per degree requirements
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- Dates (from – to) 2011- 2013
 - Name of organization Ryerson University, Toronto, Canada
 - Principal subject Molecular Microbiology
 - Title of qualification awarded **MSc.**
 - Class/CGPA 3.67 (out of 4.00)
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- Dates (from – to) 2011 Jan- Aug 2011
 - Name of organization Centennial College, Toronto; Canada
 - Principal subject Human Resource Management
 - Title of qualification awarded **PGDHRM**
 - Class/CGPA 4.01 (out of 4.5)
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- Name of organization University of Dhaka
 - Principal subject Business Administration
 - Title of qualification awarded **MBA**
 - Class/CGPA 3.88 (out of 4.00)
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- Name of organization University of Dhaka
 - Principal subject Pharmacy
 - Title of qualification awarded **MPharm**
 - Class/CGPA First Class (**3rd position**)
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- Name of organization University of Dhaka
 - Principal subject Pharmacy
 - Title of qualification awarded **BPharm**
 - Class/CGPA First Class

PUBLICATIONS

1. **Uddin, M.B.**; Balaravi Pillai, B.; Tha, K.K.; Ashaie, M.; Karim, M.E.; Chowdhury, E.H. Carbonate Apatite Nanoparticles-Facilitated Intracellular Delivery of siRNA(s) Targeting Calcium Ion Channels Efficiently Kills Breast Cancer Cells. *Toxics* 2018, 6, 34
2. Karim, M.E.; Tha, K.K.; Othman, I.; **Uddin, M.B.**; Chowdhury, E.H. Therapeutic Potency of Nanoformulations of siRNAs and shRNAs in Animal Model Cancers. *Pharmaceutics* 2018, 10, 65
3. Nipa, N, Ahmed, S, Shahariar, M, Rahman M, Haider, B, **Uddin, MB** (2017) Improper management of pharmaceutical waste in South and South-East Asian Regions. *J Environ Stud* 3:1–74.
4. **Uddin, MB**; Nipa, N; Ahmed, S; Haider, B; Hasan, SB Yousuf, (2016) Possibility of drug-drug interaction through prescription analysis at the national institute of cardiovascular disease (NICVD), Bangladesh; *Peertechz J Clin Pharmacol Clin Pharmacokinet*; Vol, 2 (1); 007-010
5. **Uddin, Mohammad Borhan**; Rabby, SM Fazla; Antibiotics Prescribing in Labor and Delivery Patients in a Tertiary Care Hospital: Bangladesh Perspective; *International Journal of Pharma Sciences and Research (IJPSR)*; Vol 6 No 12 Dec 2015; 1412-1417
6. **Uddin, Mohammad Borhan**; Ahmed, Shamim; Nipa, Nilufer Yeasmin; Rahman, Mashiqur; Shahariar, Md; Haider, Bushra; Exploration of a Better Beta Blocker in The Management of Heart Failure *International Journal of Pharma Sciences and Research (IJPSR)*; Vol 6 No 11 Nov 2015; 1344-1351
7. **Uddin, Mohammad Borhan**; Chowdhury, Jakir Ahmed; Azam, Kazi Rashidul Islam; M Kaiserul "Investigation of the effects of different physiochemical parameters on in the vitro release kinetics of theophylline Eudragit NE 30 D and Eudragit RS 30 D matrix tablets", *J. Pharm. Sci. & Res. Vol.2(4), 2010, 240-246.*
8. **Uddin, Mohammad Borhan**; Chowdhury, Jakir Ahmed; Azam, Kazi Rashidul; Jalil, Reza-ul; Reza, Md Selim "Evaluation of Eudragit NE 30D and Eudragit RS 30D as matrix forms for controlled release drug delivery" *Dhaka Univ. J. Pharm. Sci* 8(2): 153-159, 2009(December)