

Dr. Manik Chandra Shill
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Personal Highlights:

- ☆ Nine years of teaching experience particularly focusing on pharmacology, hospital and community pharmacy, drug information, CGMP, quality control and quality assurance and regulatory affairs.
- ☆ Ten years of experience in hospital and clinical pharmacy, pharmaceutical industry, market research companies with national and international training.
- ☆ Extensive research experience in the field of immunology, synthetic chemistry, molecular pharmacology, toxicology, phytochemistry, clinical pharmacy and public health.
- ☆ Successfully mentored **70 undergraduate** research projects (PHR422, PHR520) and **30 master's** theses (PHR5110).
- ☆ Authored **65** peer reviewed articles including Plos One, Seminars in Cancer Biology, Biomedicine and Pharmacotherapy, Life Sciences, Frontiers in Chemistry, Frontiers in Genetics, European Journal of Pharmacology, Food and Chemical Toxicology, Drug Delivery, International Journal of Pharmaceutics, International Immunopharmacology, Heliyon etc.
- ☆ Principle investigator of several internal and external grants to support my research projects.
- ☆ Excellent collaborative research with national and international universities.
- ☆ Blends of experience including academia and industries at different levels strengthening leadership capabilities.

Education:

PhD	: Pharmaceutical Sciences, Tokushima University, Japan Degree awarded in March, 2016
M. Phill (I)	: Department of Pharmacology and Clinical Pharmacy University of Dhaka Passing Year: 2009
Bachelor of Pharmacy	: Pharmacy Discipline, Khulna University, Khulna, Bangladesh Passing Year: 2001 Class obtained: First Class
H.S.C	: Govt. B.L College, Daulatpur, Khulna, Bangladesh Passing Year: 1995 Class obtained: First Division
S.S.C	: Alka Miloni High School, Fultala, Khulna, Bangladesh Passing Year: 1993 Class obtained: First Division

Course Taught:

Graduate PHR5108: Regulatory Affairs
 PHR5208: Quality Assurance and Quality Control

Undergraduate PHR428: Quality Assurance and Quality Control
 PHR513: Drug Information
 PHR515: Hospital and Community Pharmacy
 PHR431: cGMP
 PHR223L: Microbiology Lab II
 PHR312L: Pharmaceutical Analysis Lab II
 PHR322L: Cosmetology Lab
 PHR224L: Pharmaceutical Analysis Lab I
 PHR313L: Pharmacology Lab I
 PHR212L: Pharmaceutical Technology I
 PHR221L: Pharmaceutical Technology I
 PHR301L: Pharmaceutical Technology III

Major Research Areas:

Pharmacology of Plant Extracts : Biochemical, Behavioral, Histopathological, and Genetic Characterization of Plant Extracts using Rodent Models of Diabetes, Hypertension, Hepatorenal Disorders and Neurodegenerative Disorders

Inflammation and Immunological Research : Formulation and characterization of nano-drug delivery systems and evaluation of its effect on inflammatory diseases, pain and autoimmune diseases related to rodent models.

Computational Drug Discovery : Molecular Docking, and Molecular Dynamics Simulations for Drug Discovery

Clinical Pharmacy and Public Health : Antibiotic resistance, Irrational Use of Drugs, Sociodemographic and Epidemiological Aspects of Diseases

Teaching and Research Experience (15 years):

2022-April-01 to date **Associate Professor**
 Department of Pharmaceutical Sciences
 School of Health and Life Sciences, North South University (NSU), Bangladesh
Major responsibilities:

- Communicated with the students in the classrooms to motivate and inspire them in learning.
- Used the online learning management system Canvas to deliver teaching materials, promote discussions, and assess outcome-based learning objectives.
- Conducted 36 hours of lectures per course per semester (two semesters per year) to classes of 30-40 students.
- Supervised undergraduate and graduate students for research projects.
- Conducted research on a rodent model of hepatorenal disorders, neurological disorders, diabetes, obesity using biochemical analysis of oxidative stress markers, histopathology, and gene expression analysis. Published twenty-two articles in international peer-reviewed journals (until May 2025).
- Actively participated in curriculum revision to ensure the academic programs remained up-to-date and relevant to current scientific and educational standards.
- Developed course materials for undergraduate students in improving their understanding of updated knowledge of the respective fields.
- Taught drug information and hospital and community pharmacy courses to undergraduate students so that they could integrate their knowledge of pharmaceutical care.
- Taught quality assurance and quality control to undergraduate students, improving their knowledge of principles, methods, application of quality control and quality assurance tools to ensure quality medicines in the pharmaceutical industries.
- Taught quality assurance and quality control and regulatory affairs and pharmaceutical laws to graduate students to quality aspects of medicines and different regulatory compliance issues and laws to be enforced to release a medicine into the market.
- Conducted pharmaceutical analysis, microbiology, pharmaceutical technology-II, pharmacology and cosmetology laboratory classes for undergraduate students to provide hands-on training on the respective topics.

2016 to 2022 Assistant Professor (July 17, 2016, to March 31, 2022)

Department of Pharmaceutical Sciences, School of Health and Life Sciences, NSU

Major responsibilities:

- Developed and taught biochemistry, pharmacology, hospital and community pharmacy, pharmacy practice-II, pharmaceutical marketing and management, cGMP, pharmaceutical engineering, quality assurance and quality control to undergraduate students.
- Taught quality assurance and quality control and regulatory affairs and pharmaceutical laws to graduate students to quality aspects of medicines and different regulatory compliance issues and laws to be enforced to release a medicine into the market.
- Taught clinical pharmacy to graduate students to ensure effective drug intervention in the different clinical conditions in hospital settings.
- Conducted pharmaceutical analysis, inorganic pharmacy, pharmacology, human physiology, pharmaceutical technology-I, cosmetology laboratory classes for undergraduate students.
- Developed curriculum for Master of Pharmacy courses.
- Supervised undergraduate and graduate students for research projects.
- Conducted research on a rodent model of hepatorenal disorders, neurological disorders, diabetes, obesity using biochemical analysis of oxidative stress markers, histopathology, and gene expression analysis. Published Eighteen articles in international and national peer-reviewed journals.

- 2013-20216 Doctoral Researcher**
Department of Molecular Pharmacology
School of Pharmacy
Tokushima University, Japan.
Supervisor: Prof. Emeritus Hiroyuki Fukui and Prof. Dr. Hiroyuki Mizuguchi
Major responsibilities:
- Development of anti-allergic medicine through PKC- δ dependent pathways.
 - Isolation of anti-allergic compound(s) from Ayurvedic plants.
 - Synthesis of anti-allergic compounds.
 - Designed protocols and conducted experiments in vitro in the HeLa cell line and in vivo in the allergic rat model.
 - Conducted RT-PCR for gene expression, Western blot, immunohistochemistry etc.
 - Published two research articles in International Immunopharmacology and Bio organic and Medicinal Chemistry as 1st author.
- 2012 to 2013 Researcher (October 2012 to March 2013)**
Department of Molecular Pharmacology
School of Pharmacy
Tokushima University, Japan.
Supervisor: Prof. Emeritus Hiroyuki Fukui and Prof. Dr. Hiroyuki Mizuguchi
Major responsibilities:
- Cultivation of HeLa cells and treatment with Ayurvedic plant extracts and reference drug to check anti-allergic activity.
 - Conducted RT-PCR for H₁R gene expression.
 - Trained to develop protocol to work with radio isotopes.
 - TLC and HPLC for isolation of compounds.
- 2007 to 2009 Researcher (December 2007 to December 2009)**
A joint project of the University of Nottingham, the British Council of Bangladesh and the University of Dhaka.
Major responsibilities:
- Collect data (prescription) from different fields (hospitals) of Bangladesh regarding safe use of injection.
 - Took interviews with doctors and nurses about their perception of safe use of injections.
 - Data analysis, presentation and reporting.

Publications:

Full length paper:

1. **Shill MC**, Jalal MFB, Shuma ML, Mollick PP, Muhit MA, Halder S. Gynura procumbens leaf extract-loaded self-microemulsifying drug delivery system offers enhanced protective effects in the hepatorenal organs of the experimental rats. PLoS One. 2025; 20(2): e0304435. doi: <https://doi.org/10.1371/journal.pone.0304435>
2. Biswas AM, Emran T, Khan SI, Shabnam S, Jain P, Bepari AK, **Shill MC**, Hossain MM, Reza HM. Transforming Growth Factor- β -mediated attenuation of cardio-renal oxidative stress, inflammation and fibrosis by L-arginine in fludrocortisone acetate induced-hypertensive rats. Eur J Pharmacol. 2025 Mar 26;996: 177559. doi: <https://doi.org/10.1016/j.ejphar.2025.177559>
3. Bhowmik L, Hasan MK, Bristy TA, Etu ST, Karim R, Mostaid MS, **Shill MC**, Reza HM. A comparison of COVID-19 and post-COVID-19 syndrome among symptomatic and asymptomatic patients in Bangladesh: A retrospective cohort study. Heliyon. 2024; 10 (16): e36202. DOI: <https://doi.org/10.1016/j.heliyon.2024.e36202>
4. Hosen MJ, Islam R, **Shill MC**, Islam MT, El-Shazly M, El-Nashar HAS. Prevalence of plant pathogenic nematodes in banana fields of Sylhet district, Bangladesh. Archives of Phytopathology and Plant Protection. 2024, 57(8): 603-614. DOI: <https://doi.org/10.1080/03235408.2024.2385476>
5. Akbor MS, Haque MF, Rahman AZ, **Shill MC**, Kamli H, Tahim CM, Neto ICP, Coutinho HDM, Islam MT. In vivo and in silico studies of membrane-stabilizing and clot lysis activities of Trachyspermum ammi. Food Chemistry Advances. 2024, 5: 100789. DOI: <https://doi.org/10.1016/j.focha.2024.100789>
6. Shama AT, Shova LM, Bristy AT, Emran T, Shabnam S, **Shill MC**, Bepari AK, Reza HM. Anti-obesity effects and underlying molecular mechanisms of the ethanolic extract of figs from Ficus hispida using high fat-fed wister rats. Heliyon. 2024 Jul 30;10(15): e35392. DOI: <https://doi.org/10.1016/j.heliyon.2024.e35392>
7. Khan SI, Karim R, Khan SI, Chowdhury MAK, **Shill MC**, Pasha FM, Shohag MH, Khan F, Islam MA, Mitul AI, Ahmad R, Hossain MS, Reza HM. Factors affecting severity and prognosis of traumatic brain injury among Bangladeshi patients: An institution based cross-sectional study. Traffic Inj Prev. 2024 Jun 25:1-9. DOI: <https://doi.org/10.1080/15389588.2024.2363470>

8. Uddin A, Halder S, Deb N, Das H, Shuma ML, Hasan I, **Shill MC**, Haider SS. Impact of Methods of Preparation on Mechanical Properties, Dissolution Behavior, and Tableting Characteristics of Ibuprofen-Loaded Amorphous Solid Dispersions. *Advances in Pharmacological and Pharmaceutical Sciences*. 2024: 2303942. <https://doi.org/10.1155/2024/2303942>.
9. Bhuia MS, Chowdhury R, **Shill M**, Chowdhury A, Coutinho H, Silva D, Raposo A, Islam MT. Therapeutic Promises of Ferulic Acid and Its Derivatives on Hepatic damage Related with Oxidative Stress and Inflammation: A Review with Mechanisms. *Chem Biodivers*. 2024: e202400443. DOI: <https://doi.org/10.1002/cbdv.202400443>.
10. Islam MT, Bappi MH, Ansari SA, Ansari IA, **Shill MC**, Albayouk T, Saleh N, El-Shazly M, El-Nashar HAS. Anti-inflammatory Effects of Thymol: An Emphasis on the Molecular Interactions through in Vivo Approach and Molecular Dynamic Simulations. *Frontiers in Chemistry*. 2024; 12: 1376783. DOI: <https://doi.org/10.3389/fchem.2024.1376783>.
11. **Shill MC**, El-Nashar HAS, Mollick PP, Acharyya RN, Afrin S, Hossain H, Halder S, Islam MT, Bhuia MS, Reza HM, El-Shazly M, Mubarak MS. Longevity spinach (*Gynura procumbens*) ameliorated oxidative stress and inflammatory mediators in cisplatin-induced organ dysfunction in rats: comprehensive in vivo and in silico studies. *Chem Biodivers*. 2024 Feb 15:e202301719. DOI: <https://doi.org/10.1002/cbdv.202301719>.
12. Chowdhury R, Bhuia S, Rakib AI, Al Hasan S, **Shill MC**, El-Nashar HAS, El-Shazly M, Islam MT. Gigantol, a promising natural drug for inflammation: a literature review and computational based study. *Nat Prod Res*. 2024 Apr 16:1-17. DOI: <https://doi.org/10.1080/14786419.2024.2340042>.
13. Halder S, Afrose S, **Shill MC**, Sharmin N, Mollick PP, Shuma ML, Muhit MA, Rahman SMA. Self-micellizing solid dispersion of thymoquinone with enhanced biopharmaceutical and nephroprotective effects. *Drug Deliv*. 2024 Dec;31(1):2337423. DOI: <https://doi.org/10.1080/10717544.2024.2337423>.
14. **Shill MC**, Rakib AA, Khan SI, Hossain M, Alam S, Hossain H, Karmakar UK, Bhuia MS, Shahriar M, Reza HM, Sarkar C, Güreş ES, Sharifi-Rad J, Butnariu M, Islam MT. Polyphenol-Standardized *Aphanamixis polystachya* Leaf Extract Ameliorates Diabetes, Oxidative Stress, Inflammation, and Fibrosis in Streptozotocin-Induced Diabetic Rats. *Journal of Food Biochemistry* 2024. DOI: <https://doi.org/10.1155/2024/9441968>.
15. Papry FA, Tishe ZH, Zahid MZI, Barman AK, **Shill MC**. Sedentary Lifestyle and Prospective Health Risks: A Pilot Study Among Bangladeshi Corporate Professionals. *Bangladesh Pharmaceutical Journal* 2024; 27(1): 73-84. DOI: <https://doi.org/10.3329/bpj.v27i1.71157>.

16. Ali Khan M, M El-Kersh D, Islam MS, Ara Khan S, Kamli H, Sarkar C, Bhuia MS, Islam T, **Shill MC**, C Gobe G, Sönmez Gürer E, N Setzer W, Sharifi-Rad J, Torequl Islam M. *Mikania micrantha* Kunth: An Ethnopharmacological Treasure Trove of Therapeutic Potential. Chem Biodivers. 2023 Sep 16:e202300392. DOI: <https://doi.org/10.1002/cbdv.202300392>.
17. Mia MN, Smrity SZ, Bappi MH, Kamli H, Islam T, Prottay AAS, Akbor MS, Latif MA, Islam S, Bhakta K, **Shill MC**, de Sousa FCP, de Luna G, Coutinho HDM, Islam MT. Anxiolytic-like effect of succinic acid: A possible GABAergic intervention. Food Bioscience. 2023; 55: 103044. <https://doi.org/10.1016/j.fbio.2023.103044>.
18. **Shill MC**, Biswas B, Kamal S, Islam M, Rima SS, Ferdausi FA, Chowdhury Q, Reza HM, Bepari AK. Screening of plasma IL-6 and IL-17 in Bangladeshi lung cancer patients. Heliyon. 2023 Sep 27;9(10):e20471. doi: 10.1016/j.heliyon.2023.e20471.
19. Enam TB, Afrin S, Reza HM, **Shill MC**. Prevalence and Determinants of Caesarean Section in a Private Health Facility: A Cross-sectional Study. Bangladesh Pharmaceutical Journal 2023; 26(2): 195-203. DOI: <https://doi.org/10.3329/bpj.v26i2.67809>
20. **Shill MC**, Mohsin MNAB, Showdagor U, Hasan SN, Zahid MZI, Khan SI, Hossain M, Rahman GMS, Reza HM. Microbial sensitivity of the common pathogens for UTIs are declining in diabetic patients compared to non-diabetic patients in Bangladesh: An institution-based retrospective study. Heliyon. 2023 Jan 10;9(1):e12897. doi: 10.1016/j.heliyon.2023.e12897.
21. Hossain M, Suchi TT, Samiha F, Islam MMM, Tully FA, Hasan J, Rahman MA, **Shill MC**, Bepari AK, Rahman GMS, Reza HM. Coenzyme Q10 ameliorates carbofuran induced hepatotoxicity and nephrotoxicity in wister rats. Heliyon. 2023 Feb 14;9(2):e13727. doi: 10.1016/j.heliyon.2023.e13727.
22. Sarkar C, Mondal M, Al-Khafaji K, El-Kersh DM, Jamaddar S, Ray P, Roy UK, Afroze M, Moniruzzaman M, Khan M, Asha UH, Khalipha ABR, Mori E, de Lacerda BCGV, Araújo IM, Coutinho HDM, **Shill MC**, Islam MT. GC-MS analysis, and evaluation of protective effect of *Piper chaba* stem bark against paracetamol-induced liver damage in Sprague-Dawley rats: Possible defensive mechanism by targeting CYP2E1 enzyme through in silico study. Life Sci. 2022; 5:309:121044. doi: 10.1016/j.lfs.2022.121044.
23. Rahman MA, Shuvo AA, Bepari AK, Hasan Apu M, **Shill MC**, Hossain M, Uddin M, Islam MR, Bakshi MK, Hasan J, Rahman A, Rahman GMS, Reza HM. Curcumin improves D-galactose and normal-aging associated memory impairment in mice: In vivo and in silico-based studies. PLoS One. 2022; 17(6): e0270123. doi: 10.1371/journal.pone.0270123.

24. Bepary S, Biswas BK, Ghosh P, Kumar S, **Shill MC**. ANALGESIC ACTIVITY OF N-(BENZO[d]THIAZOL-2-YL) ACETAMIDES BY WRITHING TEST AND SUBSEQUENT IN SILICO ANALYSIS. *Jagannath University Journal of Life and Earth Science* 2022; 7(1): 43-49.
25. Islam MT, Quispe C, El-Kersh DM, **Shill MC**, Bhardwaj K, Bhardwaj P, Sharifi-Rad J, Martorell M, Hossain R, Al-Harrasi A, Al-Rawahi A, Butnariu M, Rotariu LS, Suleria HAR, Taheri Y, Docea AO, Calina D, Cho WC. A Literature-Based Update on *Benincasa hispida* (Thunb.) Cogn.: Traditional Uses, Nutraceutical, and Phytopharmacological Profiles. *Oxid Med Cell Longev*. 2021 Dec 10;2021:6349041. doi: 10.1155/2021/6349041.
26. Hosen MJ, Eva SA, Rahman MM, Ibrahim M, Lira UF, Hossain AB, Shill MC, Uddin MJ. Health impacts of excessive use of Facebook among university students in Bangladesh. *Heliyon*. 2021;7(6):e07271. doi: 10.1016/j.heliyon.2021.e07271.
27. **Shill MC**, Bepari AK, Khan M, Tasneem Z, Ahmed T, Hasan MA, Alam MJ, Hossain M, Rahman MA, Sharker SM, Shahriar M, Rahman GMS, Reza HM. Therapeutic Potentials of *Colocasia affinis* Leaf Extract for the Alleviation of Streptozotocin-Induced Diabetes and Diabetic Complications: In vivo and in silico-Based Studies. *J Inflamm Res*. 2021 Feb 19;14:443-459. doi: 10.2147/JIR.S297348.
28. Lamia SS, Emran T, Rikta JK, Chowdhury NI, Sarker M, Jain P, Islam T, Gias ZT, Shill MC, Reza HM. Coenzyme Q10 and Silymarin Reduce CCl₄-Induced Oxidative Stress and Liver and Kidney Injury in Ovariectomized Rats—Implications for Protective Therapy in Chronic Liver and Kidney Diseases. *Pathophysiology* 2021; 28(1):50-63. doi: 10.3390/pathophysiology28010005
29. Halder S, Islam A, Muhit MA, **Shill MC**, Haider S. Self-emulsifying drug delivery system of black seed oil with improved hypotriglyceridemic effect and enhanced hepatoprotective function. *Journal of Functional Foods* 2021; 78:104391. doi:10.1016/j.jff.2021.104391.
30. Dev S, Acharyya RN, Shill MC, Al Bari MA, Asma K, Mahmud I, Hossain H, Biswas NN, Shahriar M, Das AK. Bioactivities of *Colocasia affinis* Schott and profiling of its bioactive polyphenols by HPLC-DAD. *Bangladesh Pharmaceutical Journal* 2021; 24(1): 1-10. <https://doi.org/10.3329/bpj.v24i1.51629>
31. Ali ES, Sharker SMS, Islam MT, Khan IN, Shaw S, Rahman MA, Uddin SJ, Shill MC, Rehman S, Das N, Shilpi JA, Ahmad S, Tripathi S, Mishra SK, Mubarak MS. Targeting cancer cells with nanotherapeutics and nanodiagnosics: Current status and future perspectives. *Seminars in Cancer Biology* 2021; 69: 52-68. <https://doi.org/10.1016/j.semcancer.2020.01.011>.
32. Kabir T, Anwar S, Mourosoi, JT, Hossain J, Rabbane MG, Rahman MM, Tahsin T, Hasan MN, Shill MC, Hosen MJ. Arsenic hampered embryonic development: An in vivo study using local Bangladeshi *Danio rerio* model. *Toxicology Reports* 2020; 7: 155-166.

33. Islam MT, Ali ES, Uddin SJ, Khan IN, **Shill MC**, de Castro E Sousa JM, de Alencar MVOB, Melo-Cavalcante AAC, Mubarak MS. Anti-Cancer Effects of Asiatic Acid, A Triterpene From Centilla Asiatica L: A Literature Review. *Anticancer Agents Med Chem*. 2020, 20(5): 536-547. doi: 10.2174/1871520619666191211103006.
34. Khan KA, Zahan M, Talukder FZ, Uddin R, **Shill MC**, Hossain H, Nahar L, Sarker SD, Alam MA, Reza HM. Alternanthera bicolor produces hypoglycemic effect in alloxan-induced diabetic mice through its antioxidant activity. *Dhaka Univ. J. Pharm. Sci.* 2019; 18(1): 49-60.
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36. Machado KC, Islam MT, Ali ES, Rouf R, Uddin SJ, Dev S, Shilpi JA, **Shill MC**, Reza HM, Das AK, Shaw S, Mubarak MS, Mishra SK, Melo-Cavalcante AAC. A Systematic Review on the Neuroprotective Perspectives of Beta-Caryophyllene. *Phytotherapy Research* 2018, 32: 2376-2388. DOI: <https://doi.org/10.1002/ptr.6199>
37. Islam MT, Ali ES, Uddin SJ, Shaw S, Islam MA, Ahmed MI, **Shill MC**, Karmakar UK, Yarla NS, Khan IN, Billah MM, Pieczynska MD, Zengin G, Malainer C, Nicoletti F, Gulei D, Berindan-Neagoe I, Apostolov A, Banach M, Yeung AWK, El-Demerdash A, Xiao J, Dey P, Yele S, Jóźwik A, Strzałkowska N, Marchewka J, Rengasamy KRR, Horbańczuk J, Kamal MA, Mubarak MS, Mishra SK, Shilpi JA, Atanasov AG. Phytol: a review of biomedical activities. *Food and Chemical Toxicology* 2018, 121: 82 – 94. DOI: <https://doi.org/10.1016/j.fct.2018.08.032>
38. Luiz Gomes A Júnior, Dimitrova Tchekalarova J, Atanasova M, da Conceição Machado K, de Sousa Rios MA, Paz Jardim MF, Găman MA, Găman AM, Yele S, **Shill MC**, Khan IN, Islam MA, Ali ES, Mishra SK, Islam MT, Mubarak MS, da Silva Lopes L, de Carvalho Melo-Cavalcante AA. Antiepileptic effects of anacardic acid in a murine model: GABAergic and antioxidant mechanisms. *Biomedicine & Pharmacotherapy* 2018, 106: 1686 – 1695. DOI: <https://doi.org/10.1016/j.biopha.2018.07.121>
39. Braga AL, de Meneses APM, Santos JVO, Dos Reis AC, de Lima RMT, da Mata AMOF, Paz MFCJ, Alves LBDS, Shaw S, Uddin SJ, Rouf R, Das AK, Dev S, **Shill MC**, Shilpi JA, Khan IN, Islam MT, Ali ES, Mubarak MS, Mishra SK, E Sousa JMC, Melo-Cavalcante AAC. Toxicogenetic study of omeprazole and the modulatory effects of retinol palmitate and ascorbic acid on Allium cepa. *Chemosphere* 2018, 204, 220-226. DOI: <https://doi.org/10.1016/j.chemosphere.2018.04.021>
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Mishra SK, da Silva J, de Carvalho Melo-Cavalcante AA. Correlations between Risk Factors for Breast Cancer and Genetic Instability in Cancer Patients - A Clinical Perspective Study. *Frontiers in Genetics* 2018, 8: 236. doi: 10.3389/fgene.2017.00236

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Abstract and Oral Presentation/Conference:

1. Shimul Halder, Leon Bhowmik, Md. Faisal Bin Jalal, Madhobi Lata Shuma, Patricia Prova, Mollick, Fatema Tuz-zohora, Tania Ahmed Chowdhury, Md. Abdul Muhit, and Manik Chandra Shill. Lipid-Based Nanocarriers of *Gynura procumbens* Leaf Extract for Improved Biopharmaceutical and Enhanced Hepatorenal Protection. **NPA Conference 2025**. Kathmandu University, Nepal
2. Tamina Juman, Sanjida Khandoker Priti, Mahmuda Akter, Seema Binte Alam, Tazreena Rahman Fareeba, Musfiqur Rahman Sakib, Sudip Saha, Md. Samiul Nijam, Md. Abdul Kader Zilani Shawon and **Manik Chandra Shill**. ANTI-INFLAMMATORY, ANALGESIC AND ANTI-DIABETIC ACTIVITY OF APHANAMIXIS POLYSTACHYA – A COMPREHENSIVE BIOLOGICAL & IN-SILICO STUDIES. 2nd International Conference on Recent Advances in Chemistry (ICRAC-2024).
3. Tazreena Rahman Fareeba, Md. Faisal Bin Jalal, Patricia Prova Mollick, Shimul Halder and **Manik Chandra Shill**. Lipid Nano-Formulation of *Gynura procumbens* Leaf Extract Protects Liver and Kidney in Cisplatin-Intoxicated Experimental Rats. International Conference on Pharmaceutical and Health Sciences (ICPHS) 2024.
4. Shimul Halder, Fatema Tuz-zohora, Tania Ahmed Chowdhury, Md. Abdul Muhit. Madhabi Lata Shuma and **Manik Chandra Shill**. Lipid-Based Nanocarriers Loaded with Bioactive Plant Extract for Improved Biopharmaceutical and Enhanced Hepatorenal Protection. International Conference on Pharmaceutical and Health Sciences (ICPHS) 2024.
5. Shimul Halder, Md. Abdul Muhit, Madhabi Lata Shuma, Nahid Sharmin, Sheikh Zahir Raihan, **Manik Chandra Shill** and S.M. Abdur Rahman. Bioactive plant extract loaded novel lipid-based nanocarriers for targeted drug delivery and Improved nutraceutical potential. BCSIR CONGRESS 2023.
6. Leon Bhowmik, Silvia Afrin, Sharif Nowaz, **Manik Chandra Shill**. *Aphanamixis polystachya* leaves extract showed therapeutic potentials on diabetic and inflammatory responses in the experimental animals. International Conference on Pharmaceutical Sciences, Pharmacy Practice and Traditional Medicine 2023.
7. Shimul Halder, Sanjida Afrose, Amena Islam, Md. Abdul Muhit, Madhabi Lata Shuma, Nahid Sharmin, Patricia Prova Mollick, **Manik Chandra Shill**, Syed Shabbir Haider, S.M. Abdur Rahman. Strategic application of lipid-based polymeric nanocarriers for improved nutraceutical properties of herbal oily extract: A new window in drug delivery research. BCSIR Congress 2022.

8. Patricia Prova Mollick, Mahmuda Akter, Sujan Ahmed, Murad Hossain, Hasam Mahmud Reza and **Manik Chandra Shill**. Analgesic, anti-inflammatory and anti-diabetic effects of *Aphanamixix polystachya* leaves extract on experimental rodents. 2nd international conference on Genomics, Nanorech and Bioengineering (ICGNB) 2022.
9. Seema Binte Alam, Asim Kumar Bepari and **Manik Chandra Shill**. Multi-target therapy for T2DM: In-silico evaluation of common phenolic compounds. 2nd international conference on Genomics, Nanorech and Bioengineering (ICGNB) 2022.
10. Tamanna Tanjim Sichi, Manik Chandra Shill, Asim Kumar Bepari, G. M. Sayedur Rahman, Hasam Mahmud Reza and Murad Hossain. 2nd international conference on Genomics, Nanorech and Bioengineering (ICGNB) 2022.
11. Shimul Halder, Sanjida Afrose, Nahid Sharmin, Patricia Prova Mollick, Madhabi Lata Shuma and Manik Chandra Shill. Self-Micellizing Solid Dispersion of Thymoquinone with Improved Biopharmaceutical and Enhanced Nephroprotective Effects. 2nd international conference on Genomics, Nanorech and Bioengineering (ICGNB) 2022.
12. Shimul Halder, Amena Islam, Md. Abdul Muhit, **Manik Chandra Shil**, Syed Shabbir Haider. Self-emulsifying Drug Delivery System of Black Seed Oil with Improved Hypotriglyceridemic Function and Hepatoprotective effects. **Phytochemical Society of Europe (PSE)-Natural Products Scientists (NPS) 2020 Summit Khulna University, Bangladesh.** (PSE-NPS 2020 Summit)
13. Tawhida Islam, Muhammad Torequl Islam, Eunus S Ali, **Manik Chandra Shill**, , Ishaq Khan, Subrata Shaw, Shaikh J Uddin, Razina Rouf, Seyed Soheil Saeedi Saravi, Niranjana Das, wati Tripathi, Santosh Yele, Jamil A Shilpi, Siddhartha Mishra, Mohammad S Mubarak. Anticancer perspectives of the fungal-derived polyphenolic hispolon. **Phytochemical Society of Europe (PSE)-Natural Products Scientists (NPS) 2020 Summit Khulna University, Bangladesh.** (PSE-NPS 2020 Summit)
14. S.A Nishad, J.F. Tisha, S. Lasker, F. Parvez, M. Zamila, M.M. Rahman, **M.C. Shill**, H.M. Reza, M.A. Alam. Raw yogurt supplementation prevents the dyslipidemia, glucose intolerance and oxidative stress induced liver dysfunction in high fat diet fed obese rats. **54th Annual Meeting and Exposition of the European Association for the Study Diabetes 2018 (EASD 2018)**, Berlin, Germany. [Abstracted in DIABETOLOGIA 2018, 61, S541-S541.] doi: 10.1007/s00125-018-4693-0. Diabetologia (2018) 61 (Suppl 1):S1–S620
15. **Manik Chandra Shill**, Wahida Akter, Hasan Mahmud Reza, Hiroyuki Mizuguchi, Hiroyuki Fukui. Exploration of anti-allergic activity of Bangladeshi medicinal plants through the suppression of H₁R gene expression. 18th International Congress of International Society for Ethnopharmacology and 5th International Congress of Society for Ethnopharmacology, India. Faculty of Pharmacy, University of Dhaka, Bangladesh.
16. **Manik Chandra Shill**, Hiroyuki Mizuguchi, Takuya Kadota, Hisao Nemoto, Hiroyuki Fukui. Naturally occurring novel compound 4-methoxybenzofuran-5-carboxamide exhibited anti-allergic effect through the suppression of PKC δ activation. **International Conference on Genomics, Nanotech and Bioengineering 2017**, North South University, Bangladesh, pp. 117 – 118.

17. **Manik Chandra Shill**, Hiroyuki Mizuguchi, Yoshiki Kashiwada, Hiroyuki Fukui, Hisao Nemoto. Molecular pharmacology of a new anti-allergic compound, 4-methoxybenzofuran-5-carboxamide, isolated from *Tephrosia purpurea*. **Immunology Retreat 2015**, Tokushima University, Tokushima, Japan.
18. **Manik Shill**, Hiroyuki Mizuguchi, Haiso Nemoto, Hiroyuki Fukui. Isolation of a novel anti-allergic compound from *Tephrosia purpurea* and chemical synthesis of the compound. **Proceeding of the 18th Annual Meeting of Japanese Histamine Research Society, 2014** pp.12.
19. **Manik Shill**, Hiroyuki Mizuguchi, Haiso Nemoto, Hiroyuki Fukui. Isolation of a novel anti-allergic compound from *Tephrosia purpurea* in a activity guided manner and chemical synthesis of the compound. **The Japanese Pharmacological Society**. The 126th Kinki Branch Meeting in Wakayama, 2014, pp. 28.

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