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## CURRICULUM VITAE

### Professor Dr Monira Ahsan

Department of Pharmaceutical Chemistry

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### Personal details:

**Father's name:** Late Principal Abul Kashem  
**Date of birth:** June 11, 1959  
**Permanent Address:** 32/2 Azimpur Road, Dhaka-1205  
**Nationality:** Bangladeshi

### Education:

**Ph D,** Department of Pharmaceutical Sci, University of Strathclyde, UK, 1993  
**M. Pharm,** Department of Pharmacy, University of Dhaka, 1981 (First Class)  
**B. Pharm (Hons)** Department of Pharmacy, University of Dhaka, 1980 (First Class)  
**H.S.C,** Holy Cross College, Dhaka, 1977 (First class)  
**S.S.C,** Azimpur Girls School, Dhaka. 1975 (First class)

### Awards/Fellowship/Scholarship

*UGC Award:* Selected for UGC Gold Medal-2018

*Commonwealth Scholarship:* Awarded Commonwealth Scholarship for PhD degree at the Department of Pharmaceutical Sciences, University of Strathclyde, UK during 1990-1993

*Commonwealth Staff Fellowship:* Awarded Commonwealth Staff Fellowship for *post-doc research* at the Department of Pharmaceutical Sciences, University of Strathclyde, UK during 1999-2000.

*NSICT Fellowship:* Awarded senior NSICT fellowship for conducting a research on Phytochemistry and Cytotoxicity screening of natural products during 1999-2000.

### Teaching experience:

Thirty-one years teaching experience in the Department of Pharmacy and Department of Pharmaceutical Chemistry at the Faculty of Pharmacy, University of Dhaka

### Research Interests

**Natural product Chemistry:** Isolation of new bioactive compounds from plants and endophytic fungi by different chromatographic techniques. Structure elucidation of complex molecules by IR, Mass, NMR spectroscopic data.

: Natural products screening to determine antioxidant, thrombolytic, antimicrobial, cytotoxic activities etc.

**Clinical investigation:** Analysis of serum antioxidant vitamins E, C and A of drug addicts, ARI children, pre-eclampsia and eclampsia patients.



### No. of publications:

One hundred twenty six (126) scientific papers have been published in different international and national journals, some of which with impact factor of above 6.

In international Journals:85

In national Journals: 31

**Citations: 2492**

**H-index: 25**

**i10-index: 56**

### Seminar/Symposium attended

1. 18<sup>th</sup> IUPAC Symposium on the Chemistry of Natural Products, Strasbourg, France, 1992 and presented a poster
2. Regulation of phytochemicals by molecular techniques, August 6-10, 2000, Beltsville, Maryland, USA, and presented a poster
3. Tenth Asian Symposium on Medicinal Plants, Spices and other Natural Products (ASOMPS X), 18-23 November, 2000, Dhaka, Bangladesh, and presented a poster.
4. 18<sup>th</sup> International Congress of Internat. Society for Ethnopharmacology & the 5<sup>th</sup> Internat. Congress of the Society for Ethnopharmacology, India (ISE-SFEC 2018) at the Faculty of Pharmacy, Univ. of Dhaka, Bangladesh, 13-15 Jan, 2018. Participated as a session Chair.

Two Ph.D students presented posters and one of them achieved the 'Best Poster Presentation Award'. Another Ph.D student gave an oral presentation.

5. Asian Network Symposium on Drug Discovery, December 11-13, 2014, Cheongju, South Korea, Participated as a speaker. Title : Search for New Natural Compounds and Drug Discovery.

**Country visited:** Kingdom of Saudi Arabia, United States of America, Canada, United Kingdom, France, Switzerland, Italy, Germany, Belgium, Luxembourg, Netherlands, South Korea and India.

**Membership:** Member of

*Dhaka University Teachers' Association (DUTA)*

*Bangladesh Pharmaceutical Society (BPS)*

*Nutrition Society of Bangladesh (NSB)*

*Pharmacy Graduate Association (PGA)*

*Dhaka University Pharmacy Alumni Association (DUPAA)*

### Involvement in research projects

1. Principal Investigator: 'Phytochemical investigation of medicinal plants and antimicrobial and cytotoxic activity studies of the secondary metabolites, funded by University Grants Commission of Bangladesh, during 1998-1999; successfully completed, and final report submitted and accepted by the Commission.
2. Principal Investigator: Immunological status of Acute Respiratory Infections (ARI) in Children of Bangladesh funded by the Ministry of Science and Information & Communication Technology, during 2001-2002; successfully completed, and final report submitted and accepted by the Ministry.
3. Co-Investigator : Screening of HIV antibody and analysis of immunoglobulins and cytokins levels of drug addicts in Bangladesh, financed by the Ministry of Science and Information &

Communication Technology, during 1998-2000; successfully completed, and final report submitted and accepted by the Ministry.

4. Co-Investigator: Micronutrient Profile of Children suffering from Acute Respiratory Infections (ARI) of Bangladesh: Influence of Micronutrient on the Incidence of ARI, funded by the Ministry of Science and Information & Communication Technology, during 2002-2003; successfully completed, and final report submitted and accepted by the Ministry.
5. Co-Investigator: Study of Immunomodulating properties of nutraceuticals, sponsored by Bangladesh University Grants Commission, during 1999-2000; successfully completed, and final report submitted and accepted by the Commission.
6. NST fellow: Screening of Plant Products for Cytotoxic Activity submitted to Ministry of Science and Information & Communication Tech. Govt. of Bangladesh under NST fellowship, 2004.
7. Research team member: Lifestyle, health profile and nutritional status of disabled, sex worker's and prisoner children, funded by the Ministry of Science and Information & Communication Technology, during 2004-2005; successfully completed.
8. Research team member: Preparation of Food Composition database with Special Reference to Indigenous and Ethnic Foods Supported by FAO-NFPCSP Funded by EC & USAID, November 2008- May 2010; successfully completed, and final report submitted and accepted by FAO-NFPCSP.

#### Postgraduate Student Supervision:

1. Phytochemical and Biological Studies on *Ravenia spectabilis* and *Erythrina variegata*. Ph D, September, 2020 (as Principal supervisor).
2. Chemical and Biological Investigation on *Zanthoxylum rhetsa*, *Micromelum minutum* and their Endophyte Isolates. Ph D, August, 2021 (as Principal supervisor).
3. Phytochemical and Pharmacological evaluation of *Pongamia pinnata*, *Sesbania grandiflora* and associated endophytic fungi. Ph D January, 2022 (as Principal supervisor).
4. Immunonutritional profile of acute respiratory infection among selected group of children of Bangladesh. Ph D, 2006 (as co-supervisor)
5. Cytotoxic and immunomodulating properties nutraceuticals and/or spices. M Phil, 2000 (as co supervisor).
6. Investigation of Phytochemical Constituents and Biological Activities of *Plectranthus scutellarioides* & *Salvia splendens* Leaves (Family: Lamiaceae) Ph.D ongoing.
7. Phytochemical investigation on *Zanthoxylum rhetsa* and study of antimicrobial & cytotoxic activities of its constituents. M. Pharm. thesis, 1998.
8. Phytochemical and biological investigation on the root bark of *Zanthoxylum rhetsa*. M. Pharm. Thesis, 2000.
9. Chemical and biological investigations of *Ravenia spectabilis* (Rutaceae). M. Pharm. thesis, 2004.
10. Phytochemical and biological investigation on the stem bark of *Jatropha panduraefolia*. M. Pharm. thesis, 2005.
11. Chemical and biological studies of *Limonia acidissima* L. (Family: Rutaceae) M. Pharm, 2007.
12. Chemical and biological studies on the stem bark of *Ravenia spectabilis* (Family: Rutaceae). M. Pharm. thesis, 2008.
13. Chemical and biological investigation on *Clerodendrum indicum*. M. Pharm. thesis, 2009.
14. Chemical and biological investigations of *Sida rhombifolia* (Family: Malvaceae). M. Pharm, 2010.
15. Chemical and biological investigation of *Jatropha pandurifolia* and *Artocarpus lackoocha* Roxb. M. Pharm thesis, 2010.

16. Chemical and biological investigation of *Ipomoea pescaprae* (Family: Convolvulaceae) and *Artocarpus chaplasha* (Family: Moraceae). M.Pharm thesis, 2011.
17. Chemical and biological investigation of leaf and stem bark of *Acanthus ilicifolius* Linn. (Family: Acanthaceae). M.Pharm thesis, 2012.
18. Chemical and biological investigation on the stem of *Tinospora crispa* (L.) Hook.f.& Thomson (Family: Menispermaceae). M.Pharm thesis, 2013.
19. Phytochemical and biological studies on the stem of *Tinospora crispa* (L.) Hook.f.& Thomson (Family: Menispermaceae). M.Pharm thesis, 2014.
20. Chemical constituents and biological properties of the stem bark of *Tinospora crispa*. M.Pharm thesis, 2016.
21. Phytochemical and biological investigation on *Tinospora crispa* and *Lindenbergia indica* M. Pharm. thesis, 2017.
22. Chemical and biological Investigation of Whole plant of *Blumea lacera* (Burm.f.) DC. (Family: Asteraceae). M. Pharm. thesis, 2017
23. Phytochemical and biological investigation on *Glycosmis cyanocarpa* and *Blumea lacera*. M. Pharm. thesis, 2018.
24. Chemical and biological Investigation of *Sesbania grandiflora*. M. Pharm. thesis, 2018.
25. Investigation of Chemical Constituents and Biological Activities of *Glycosmis cyanocarpa* of Family Rutaceae. M Pharm. thesis, 2019.
26. Isolation and Biological Evaluation of Natural Products from *Cynometra ramiflora* of Family Fabaceae. M Pharm. thesis, 2020
27. Investigation of Chemical Constituents and Biological Activities of *Glycosmis cyanocarpa* of Family Rutaceae. M Pharm. thesis, 2021
28. Phytochemical and biological investigations on leeeaves of *Avicennia officinalis* (Acanthaceae) M Pharm. thesis, 2022.

## List of publications

### 2024

1. Tabassum, F., Islam, S. N., Tuz-Zohora, F., Hasan, C. M., Rahman, K. M., & Ahsan, M. Isolation of a new iso-quinoline alkaloid and cytotoxicity studies of pure compounds and crude extracts of *Ravenia spectabilis* engl. Heliyon, 2024, 10(14).
2. Malik, A., Mannan Mithi, F., Ashrafi, S., Abdullah Al-Mansur, M., Ahsan, M., Hasan, C. M., & Azam, A. Z. Exploration and evaluation of antioxidant activity in isolated phenolics from *Jasminum scandens* (retz) vahl. Natural Product Research, 2024, 1-5.
3. Zohora, F.T., Joya, I.S., Bhuiyan, M.A., Hasan, C.M. and Ahsan, M. Review on phytochemical constituents of the genus *Trichilia* and biological activities. Trends in Immunotherapy, 2024, 8(1), p.2434.
4. Kamal, M. S., Ashrafi, S., Sultana, S., Rashid, M. A., Ahsan, M., Masud, M. M., & Haque, M. R. Isolation and Characterization of Polyprenols from *Litsea monopetala* (Roxb.) Pers. Dhaka University Journal of Pharmaceutical Sciences, 2024, 23(1), 63-68.

5. Mukit, T. M. A., Ashrafi, S., Ahsan, M., & Azam, A. Z. Chemical and Biological Profiling of *Derris Scandens* (Roxb.) Benth. Bangladesh Journal of Botany, 2024, 53(2), 227-233.

## 2023

6. Zohora FT, Mahtarin R, Ackas M, Islam MJ, Sohrab MH, Hasan CM, Ahsan M. Cytotoxicity, Antioxidant Activity, Molecular Docking, and Dynamics Simulation Analysis Against SARS-CoV-2 M and N Protein Models of Phytoconstituents of *Micromelum Minutum*. *Biointerface Research in Applied Chemistry*, 2023, 13(1), 6.
7. Islam, M. A., Ashrafi, S., Rahman, K. M., Ahmed, S., Molla Jamal, A. H. M. S. I., & Ahsan, M. Isolation and Characterization of One New Natural Compound with Other Potential Bioactive Secondary Metabolites from *Glycosmis cyanocarpa* (Blume) Spreng. (Family: Rutaceae). *Molecules*, 2023, 28(5), 2207. <https://doi.org/10.3390/molecules28052207>
8. Jobaer, M. A., Ashrafi, S., Ahsan, M., Hasan, C. M., Rashid, M. A., Islam, S. N., & Masud, M. M. Phytochemical and Biological Investigation of an Indigenous Plant of Bangladesh, *Gynura procumbens* (Lour.) Merr.: Drug Discovery from Nature. *Molecules*, 2023, 28(10), 4186. <https://doi.org/10.3390/molecules28104186>.
9. Jahan, N., Shaari, K., Islam, S.N., Azam, A.Z. and Ahsan, M. Chemical and Biological Profiling of Three Ferulic Acids Alkyl Esters Isolated from *Jatropha pandurifolia* (Family: Euphorbiaceae) Stem Bark. *Biomedical and Pharmacology Journal*, 2023, 16(2), pp.817-826
10. Jahan, N, Md. Abdur Rahim, Islam, S.N, Azam, A.Z. and Ahsan, M : Antioxidative, thrombolytic and cytotoxic potentials of *Jatropha pandurifolia* stem bark and *Syzygium reticulatum* leaf., Dhaka University Journal of Pharmaceutical Sciences Faculty of Pharmacy, University of Dhaka, Bangladesh , 2023, 97-103.

## 2022

11. Zohora, F.T.; Azam, A.T.M.Z.; Ahmed, S.; Rahman, K.M.; Halim, M.A.; Anwar, M.R.; Sohrab, M.H.; Tabassum, F.; Hasan, C.M.; Ahsan, M. Isolation and In Silico Prediction of Potential Drug-like Compounds with a New Dimeric Prenylated Quinolone Alkaloid from *Zanthoxylum rhetsa* (Roxb.) Root Extracts Targeted against SARS-CoV-2 (Mpro). *Molecules* **2022**, *27*, 8191. <https://doi.org/10.3390/molecules27238191>
12. Aziz F, Noman M A, Hasan CM, Ahsan M. Iridoids and cytotoxic terpenes from *Lindenbergia indica* . *Chemistry of Natural Compounds*, 2022, 58, 3.
13. Ashrafi S, Alam S, Emon NU, Ahsan M. Isolation, Characterization and Pharmacological Investigations of a New Phenolic Compound along with Four Others Firstly Reported Phytochemicals from *Glycosmis cyanocarpa* (Blume) Spreng. *Molecules* 2022, 27, 5972.
14. Ashrafi S, Alam S, Islam A, Emon NU, Islam QS, Ahsan M. Chemico-Biological Profiling of *Blumea lacera* (Burm.f.) DC. (Family: Asteraceae) Provides New

Insights as a Potential Source of Antioxidant, Cytotoxic, Antimicrobial, and Antidiarrheal Agents. Evidence-Based Complementary and Alternative Medicine Volume 2022, Article ID 2293415, 14 pages

15. Aziz F, Rahman FI, Huque S, Ether SA, Hasan CM, M. *Zanthoxylum rhetsa* (Roxb.) DC: A systematic review on traditional uses, phytochemistry, and pharmacology. *Journal of Pharmacy & Pharmacognosy Research*, 2022,10 (1), 52-72.
16. Alam, M. K., Sams, S., Khan, M. S., Azmir, J., Ahsan, M., Akhtaruzzaman, M., & Islam, S. N. (2022). Profiling of minerals, water soluble vitamins and carotenoid in selected unconventional leafy and non-leafy vegetables of Bangladesh. *Natural Product Research*, 36(8), 2182-2185. <https://doi.org/10.1080/14786419.2020.1849198>

## 2021

17. Tabassum F, Hasan CM, Masud MM, Jamshidi S, Rahman KM, Ahsan M. Indole alkaloids from the leaves of *Ravenia spectabilis* engl. with activity against pancreatic cancer cell line. *Phytochemistry*, 2021, 186, 2021, 112744.
18. Adib M, Islam R, Ahsan M, Rahman A, Hossain M, Rahman MM, Alshehri SM, Kazi M, Mazid MA, Cholinesterase inhibitory activity of tinosporide and 8-hydroxytinosporide isolated from *Tinospora cordifolia*: in vitro and in silico studies targeting management of Alzheimer's disease, *Saudi Journal of Biological Sciences*, 2021, doi: <https://doi.org/10.1016/j.sjbs.2021.03.063>
19. Shahriar KR, Hossain ME, Rahman KM, Ahsan M, Hasan CM. A New Cyclohexanone Derivative from the Leaves of *Bridelia stipularis* (L.) Blume. *Chemistry of Natural Compounds*, 2021,57(3), DOI 10.1007/s10600-021-03386-y.
20. Akter S, Ahsan M, Sheikh Nazrul Islam SN. Medicinal Uses of Garlic - a mini review. *Bangladesh J Nutr* 32:61-72, 2019 (March, 2021).

## 2020

21. Puja SD, Shahriar KR, Hasan CM, Ahsan M. Flavonoids from the Leaves of *Bridelia stipularis* with in Vitro Antioxidant and Cytotoxicity Activity, *Pharmacology & Pharmacy*, 2020, 11, 137-146. July 20
22. Akhter H, Aziz F, Ullah FR, Ahsan M, Islam SN. Immunoglobulins content in colostrum, transitional and mature milk of Bangladeshi mothers: Influence of parity and sociodemographic characteristics., *J Mother Child*, 2020, 24(3), 1-8.
23. Puja SD, Hasan CM, Ahsan M. *Baccaurea ramiflora*: Isolation of Aldehydes and in Vitro Biological Investigations. *Pharmacology & Pharmacy*, 2020, 11, 147-157.
24. Kamal MM, Aziz F, Islam MR, Ahsan M, Islam SN. Effect of immunonutritional status, healthcare factors, and lifestyle on acute respiratory infections among under-5 children in Bangladesh. *SAGE Open Medicine*, 2020, 8, 1-8.
25. Ruhee RT, Sams S, Begum A, Alam MK, Begum P, Khatun M, Kawser M, Saber S, Ahsan M, Islam SN. Dietary fibre content in ethnic and unconventional vegetables and fruits growing in Bangladesh. *Potrav Slovak J of Food Sci*, 2020, 14, 33-41
26. Afrin S, Muhit MA, Sohrab MH, Hasan CM, Ahsan M. Antioxidant, Thrombolytic, Antimicrobial and Cytotoxic Activities of Flavonoids Isolated from the Root Bark of *Pongamia pinnata*. *Dhaka Univ J Pharm Sci*, 2020, 19 (1), 1-8.
27. Alam M K, Rana ZH, Kabir N, Begum P, Kawsar M, Khatun M, Ahsan M, Islam SN. Total Phenolics, Total Carotenoids and Antioxidant Activity of Selected Unconventional Vegetables Growing in Bangladesh. *Current Nutrition & Food Science*, 2020,16 (70), 1088-1097.

28. Alam MK, Sams S, Khan MS, Azmir J, Ahsan M, Akhtaruzzaman M, Islam SN. Profiling of minerals, water soluble vitamins and carotenoid in selected unconventional leafy and non-leafy vegetables of Bangladesh, *Natural Product Research*.2020,1-5.
29. Sams S, Alam MK, Khan MS, Azmir J, Ahsan M, Islam SN. Total carotenoids content and assessment of carotene profile by high-performance liquid chromatography in selected vegetables of Bangladesh with special reference to some unconventional varieties. *Current Chromatography* 7 (1), 24-31
30. Shahriar KR, Salekin S, Islam QS, Ahsan M, Hasan CM. Phytochemical and Biological Studies on Bark Extract of *Aporosa wallichii* Hook.f. *Dhaka Univ. J. Pharm. Sci.*2020, 19(2),139-143, DOI: <https://doi.org/10.3329/dujps.v19i2.50629>
31. Mithi FM, Ahsan M, Hasan CM, Azam ATMZ. Isolation and Characterization of Secondary Metabolites and Evaluation of Biological Activity of *Hygrophila erecta* (Burm.f.) Hochr. *Br J Med Health Res.* 2020,7(11)

## 2019

32. Zohora FT, Khan SA, Hasan CM, Ahsan M. Antioxidant, Cytotoxic, Thrombolytic and Antimicrobial Activity of *Zanthoxylum rhetsa* Root Bark with Two Isolated Quinolone Alkaloids. *Pharmacology & Pharmacy*, 2019, 10, 137-145
33. Aziz F, Al-Mansur MA, Hasan CM, Ahsan M. Phytochemical Investigation and in vitro Bioactivity Analysis of *Lindenbergia Indica*. *Br J Med Health Res.* 2019, 6(08).
34. Tabassum F, Hasan CM, Masud MM, Islam SN and Ahsan M. Phytochemical and Biological Investigation of *Ravenia spectabilis* Leaves. *Asian Journal of Chemistry*, 2019, 31(1),139-142.
35. Tabassum F, Hasan CM, Masud MM, Manik MIN. Ahsan M. Isolation, Characterization and Evaluation of Antimicrobial, Antioxidant and Thrombolytic Potentials of *Erythrina variegata* L. Bark. *Asian Journal of Chemistry*, 2019, 31(8), 1842-1846
36. Akter S, Ahsan M, 2, Sheikh Nazrul Islam SN. Medicinal Uses of Garlic - a mini review, *Bangladesh J Nutr* 32,61-72, 2019,
37. Islam R, Adib M, Ahsan M, Rahman MM, Mazid MA. Cholinesterase and Glycation Inhibition Assay of Several Metabolites Obtained from Plant and Fungi. *Dhaka Univ J Pharm Sci*, 2019,18(1), 31-38.
38. Zohora FT, Hasan CM, Ahsan M Chemical constituents, cytotoxic activities and traditional uses of *Micromelum minutum* (Rutaceae): a review. *Pharm Pharmacol Int J.* 2019;7(5),229–236.
39. Afrin S, Sohrab MH, Ahmed MS, Hasan CM, Ahsan M. Terpenoids and steroids from the stem bark of *Sesbania grandiflora* and biological studies of the plant extracts. *Pharm Pharmacol Int J.* 2019;7(6):307–313.

## 2018

40. Noman M A A, Hossain T, Ahsan M, Jamshidi S, Hasan C M, and Rahman K M. Crispenes F and G, cis-Clerodane Furanoditerpenoids from *Tinospora crispa*, Inhibit STAT3 Dimerization. *Journal of Natural Products*, 2018, 81, 236–242.
41. Islam S N, Kamal, M M, Rahamatullah R, Sadi S K S, Ahsan M. Serum zinc levels in children with acute respiratory infections, Association with sociodemography and nutritional status. *Clinical Nutrition Experimental*, 2018, 22, 11-18.
42. Zohora FT, Muhit M A, Hasan C M and Ahsan M. Quinolone Alkaloids Along with Other Constituents from *Zanthoxylum rhetsa* and their Chemotaxonomic Significance. *Records of Natural Products*, 2018, 12:6, 634-637.



## 2017

43. Begum P, Noman MAA, Adib M, Ahsan M and Islam SN. Antibacterial Activity of Ethnic Vegetables Consumed by the Indigenous People Living in Chittagong Hill Tracts. *European Journal of Medicinal Plants*, 2017, 18(4), 1-7.
44. Sharmin S, Tareq FS, Hasan CM, Ahsan M. Phytochemical and biological investigation on *Artocarpus chaplasha* Roxb. *IIUC Studies*, 2017,14(1), 45-50.
45. Aziz MA, Ahsan M, Hasan CM and Masud MM. Tocopherols, Polyphenols and Steroids from *Passiflora edulis* and Bioactivities of its Extractives. *Dhaka Univ. J. Pharm. Sci.* 2017, 16(1), 55-60.
46. Rahman MS, Faisal A, Hasan CM, Ahsan M and Masud MM. Chemical and Biological Investigations of *Cerbera odollam* Gaertn. *Dhaka Univ. J. Pharm. Sci.* 2017, 16(2), 179-186.
47. Rafe MM, Ahsan M, Hasan CM, Masud MM. Chemical and Biological Studies of Leaf Extract of *Dendrophthoe falcata* Linn, *Dhaka Univ. J Pharm Sci*, 2017,16(2), 215-219.

## 2016

48. Islam SN, Nusrat T, Begum P, Ahsan M. Carotenoids and  $\beta$ -carotene in orange fleshed sweet potato: A possible solution to vitamin A deficiency. *Food Chemistry*, 2016,199, 628-631.
49. Hossain A, Begum P, Zannat MS, Rahman MH, Ahsan M, Islam SN. Nutrient composition of strawberry genotypes cultivated in a horticulture farm. *Food Chemistry*, 2016,199, 648-652.
50. Faisal T, Ahsan M, Choudhury JA and Azam ATMZ. Phytochemical and Biological Investigations of *Eurya acuminata* (Theaceae) *Dhaka Univ. J. Pharm. Sci.* 2016,15(2), 151-154.
51. Hasan NM, Ahsan M, Hasan CM and Azam ATMZ. 2,5-Dihydroxy-3-heptadecyl-1,4-benzoquinone and Stigmasterol from *Heliotropium indicum* L. *Dhaka Univ J Pharm Sci*, 2016,15(1), 113-115.

## 2015

52. Shahidullah M, Sallahuddin M, Ahsan T, Ahsan M, Rahman MM, Islam SN. Srijela - a herbal preparation with galactogenic property. *American J Clinical and Experimental Medicine*, 2015, 3(2),59-61.

## 2014

53. Ahsan M, Haque MR, Hossain MB, Islam SN, Gray AI, and Hasan CM. Cytotoxic dimeric quinolone-terpene alkaloids from the root bark of *Zanthoxylum rhetsa*. *Phytochemistry*, 2014,103, 8-12.
54. Ahsan M, Zohora FT, Islam SN. Cytotoxicity of *Scoparia dulcis* on human cancer cell lines. *Indian J of Pharm Sc & Res*, 2014, 4(1), 9-11.
55. Noor S, Prodhan A, Zohora FT, Tareq FS, Ahsan M, and Hasan CM. Phytochemical and Antioxidant, Antimicrobial, Thrombolytic as well as Cytotoxic Studies on the Stem Bark of *Manilkara zapota* (Sapotaceae). *Asian J Chem*, 2014, 26 (18) 6138-6142.

## 2013

56. Ahsan T, Banu S, Nahar Q, Ahsan M, Khan MNI, Islam SN. Serum Trace Elements Levels in Pre-eclampsia and Eclampsia: Correlation with pregnancy disorders. *Biol. Trace Elem Res*, 2013, 152, 327-332.

57. Huq MM, Begum S, Sohrab MH, Ahsan M, Hasan CM, Haque MR. Secondary metabolites from the stem of *Ravenia spectabilis* Lindl. *Pharmacognosy Magazine*, 2013, 9(33),76-80.
58. Rahmatullah M, Khan LA, Ahsan M, Islam SN. Illicit drug use and prevalence of infection and chronic disease. *Eur J Life Sci Tech*, 2013, 11, 10-14.
59. Ahsan T, Rahman ASMM, Rahmatullah M, Ahsan M, Khan MNI, Islam SN. Multiple micronutrient (zinc, magnesium) therapy to severe malnourished children: effect on growth catch up and clinical recovery. *Eur Scientific Journal*, 2013, 9(30),103-115.
60. Asad S, Hamiduzzaman M, Azam ATMZ, Ahsan M, Masud M. Lupeol, oleanic acid & steroids from *Sonneratia alba* J.E. Sm (Sonneratiaceae) and antioxidant, antibacterial & cytotoxic activities of its extracts. *Int J Adv Res in Pharm Bio Sci*, 2013, 3(1)1-10.
61. Sharmin S, Zohora FT, Tareq FS, Islam SN, Hasan CM, Ahsan M. Phytochemical and biological investigation of *Ipomoea pescaprae* (L) R. Br. *Am.J. PharmTech.Res.*2013, 3(2), 902-912.
62. Ahmed KT, Haque MR, Ahsan M, Hasan CM. Isoflavones from the stem bark of *Ormosia robusta*. *American J Pharm Tech Res.*2013, 23(1), 811-818.
63. Sarkar P, Zohra FT, Jabbar A, Tareq FS, Hasan CM, Ahsan M. Phytochemical studies on the stem bark of *Couroupita guianensis* Aubl. *Asian J Chem*, 2013, 25 (8), 4559-4562.
64. Zohra FT, Ahsan M, Hasan CM, Tareq FS, Sarkar P. Isolation of terpenes and coumarin from the stem bark of *Jatropha pandurifolia* (Andr.) *Asian J Chem.*, 2013, 25(5), 2853-2856.
65. Chowdhury N, Hasan AA, Tareq FS, Ahsan M and Azam ATMZ. 4-Hydroxy-*trans*-cinnamate Derivatives and Triterpene from *Barleria cristata*. *Dhaka Univ J Pharm Sci*, 2013, 12(2): 143-145.

## 2012

66. Ahsan M, Haque MR, Islam SN, Gray AI, Choudhury M. Hasan CM. New Labdane Diterpenes from the Aerial Parts of *Scoparia dulcis* L. *Phytochemistry Letters*, 2012, 5, 609-612.
67. Zohora FT, Sarkar P, Tareq, FS. Islam,SN, Hasan CM, and Ahsan M. Chemical and biological Investigation of *Artocarpus lackoocha* Roxb. *Am J Pharm Tech Res.* 2012, 2(6) ISSN: 2249-3387
68. Sharmin S, Akther F, Ahsan M and Hasan CM. Antioxidant and Cytotoxic activities of *Limonia acidissima* L.: A common plant of Bangladesh. *Dhaka Univ J Pharm Sci*, 2012, 11(1)75-77.
69. Haque MM, Begum S, Sohrab MH, Ahsan M, Hasan CM, Ahmed N. Antimicrobial, cytotoxicity and antioxidant activities from the stem of *Ravenia spectabilis* Lindl. *International J Pharm Sci Res*, 2012, 3(12), 4762-4768.
70. Quadry TM, F. Islam F, Ahsan M and Hasan CM. Antioxidant and cytotoxic activities of *Parabaena sagittata* Miers. *Bangladesh J. Botany*, 2012, 41(2),155-158.

## 2008

71. Akhter A, Rahman MS, Ahsan M. Preliminary antimicrobial and cytotoxic activities of *n*-hexane extract of *Jatropha pandurifolia*. *Lat Am J Pharm.* 2008, 27(6), 918-921.
72. Hossain K, M Kamal K, M Ahsan M, S Islam SN. Multiple Micronutrients (vitamins E, C, beta-carotene) Intervention to Immunomicronutrients deficient Drug Addicts, *The Internet Journal of Nutrition and Wellness*, 2008, 7(2).

## 2007

73. Hossain KJ, Kamal MM, Ahsan M, Islam SN. Serum antioxidant micromineral (Cu, Zn, Fe) status of drug dependent subjects: Influence of illicit drugs and lifestyle. *Substance Abuse Treatment, Prevention, and Policy*, 2007, 2,12.
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