

### ***Bibliography***

Sheikh Nazrul Islam is a Professor of the Institute of Nutrition and Food Science, University of Dhaka. He obtained B. Pharm (Honours), M. Pharm from University of Dhaka, and PhD in 1994 in Immunology from University of Strathclyde, United Kingdom. He has expertise in Immunology, Nutrition Sciences and Natural Product Pharmacology; and has 39 years of research and 35 years of teaching in *nutrition, immunology, clinical nutrition, food technology*. He was involved in 20 research projects, supervised 92 postgraduates including 13 M.Phil and 8 PhD students (+8 PhD working). He has published a total of 182 papers including 3 books, and scientific articles and abstracts.

## CURRICULUM VITAE



Name Sheikh Nazrul Islam, PhD

Father's name Late Sheikh Abdul Mannan

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Date of birth October 01, 1955

Nationality Bangladeshi

Academic qualification

University/Institution	Degree awarded	Field of study	Year
Department of Immunology University of Strathclyde Glasgow, United Kingdom	PhD Doctor of Philosophy	Immunology (Cancer Immunotherapy)	1994
Department of Pharmacy University of Dhaka, Dhaka, Bangladesh	M. Pharm Master of Pharmacy	Pharmacy	1982
Department of Pharmacy University of Dhaka, Dhaka, Bangladesh	B. Pharm (Hons) Bachelor of Pharmacy (Honours)	Pharmacy	1980
Dhaka College, Dhaka, Bangladesh	HSC Higher Secondary Certificate	Science	1974
Siddheswari High School Dhaka, Bangladesh	SSC Secondary School Certificate	Science	1972

### Teaching experience

Above 35 years of teaching experience in the Pharmaceutical Chemistry discipline at the Institute of Nutrition and Food Science, University of Dhaka, Bangladesh.

Professor and Head of the Department of Pharmacy & Microbiology in Primeasia University, Dhaka, Bangladesh on leave from July 7, 2005 to January 5, 2007.

Adjunct Faculty, Department of Pharmaceutical Sciences, North South University

### Teaching in

**Nutrition and Food Science.** Taking courses on *nutrition, immunology, clinical nutrition, food technology* of BS (Honours), MS, M.Phil. and PhD. Courses at the Institute of Nutrition and Food Science, University of Dhaka, and

**Pharmacy.** Involved in teaching in *Physiology, Pharmacology, Pharmaceutical QC and validation, Immunology, Pharmaceutical Microbiology, and Molecular Genetics* in B. Pharm (Honours) program.

### Above thirty-nine years of research experience

*Nutritional Science, Immunology/Immunologypharmacology, Clinical Immunology/Nutrition, Pharmacology, Natural Products* at the University of Dhaka, Bangladesh, Strathclyde University, Glasgow, UK.

### Field of specialization

*Clinical Nutrition/Immunology, Nutritional Science, Immunology/Immunologypharmacology, physiology, Pharmacology, Natural Products*

- **Nutritional Science.** Analysis of macro- and micro-nutrients profile in humans and in different foods, and also of anthropometry, sociodemography, lifestyle; Nutrition, Health and Demographic survey; prepared Food Composition Database for Bangladesh with Reference to Ethnic Foods; Contributing Author: Drug Addiction: Its Impact on Social Life and Public Health: In Trends in Lifestyle and Health Research. Nova Science Publishers, Inc. New York, USA pp 63-83, 2005; author: Nutrition, Health and Demographic Survey of Bangladesh– 2011; author: Food Composition Tables and Database for Bangladesh with Special Reference to Selected Ethnic Foods. Bangladesh, 2012.
- **Clinical Nutrition/immunology.** Investigation of nutritional composition, immunonutritional profile of clinical conditions of chronic diseases such as drug addiction, acute respiratory infections (ARI), pregnancy complications, malnutrition, diabetes, cancer, nephrology, depression, autoimmune disease etc.
- **Immunology/Immunopharmacology.** Production of human monoclonal antibodies, tissue culture, EIA, ELISA, RID, immunoblotting, radioimmunoprecipitation etc; analysis of immune profile (immunoglobulins, Immune cells, cytokines etc), immunization. Screening of HIV-seroprevalence in drug addicts.
- **Pharmacology.** Investigation of natural products including nutraceuticals, phytochemicals on animals and humans for therapeutic efficacy in the treatment of diabetes, depression, lowering of lipid profile, shigellosis, pain killing; and also, for cytotoxicity on human cancer cell lines, antimicrobial activity against pathogenic microorganisms

**Research and Publications.** A total of twenty (20) research projects conducted and successfully; supervised 92 postgraduates including 13 M.Phil., 8 PhD students supervised and 8 PhD supervising. He is author of 3 books, and has published a total of 182 papers including the 3 books, and scientific articles and abstracts.

**Biography** published in the Marquis **WHO's Who** in the World book, 2000.

**Reviewer** of a number of National and International Journals

#### **Fellowship/Research Award**

- *Post-doctoral research fellow and Visiting Scientist.* In the Department of Immunology, University of Strathclyde, Glasgow, UK during the period of January-October, 2000.
- *United Nations University (UNU) Fellow.* Awarded to attend a graduate course on "Production and Use of Food Composition Data in Nutrition" during September, 1998.
- *National Science and Technology (NST) Fellow.* Awarded as a senior NST Fellow for conducting a research on Drug Addicts during the year of 1998-1999 and 1999-2000.
- *Fellow of Asiatic Society of Bangladesh (ASB).* Awarded as a postdoctoral fellow for conducting a research on micronutrient profile of ARI children during the year of 2003-2004.
- *Awards/scholarship.* Award of Overseas Research Students (ORS), UK; award of David Livingstone Grant, UK, Strathclyde University. Postgraduate Grant UK for conducting a PhD research on for Ph.D. degree during 1990-1994.
- *Visiting Researcher:* During April to September 1990 at the Department of Immunology, University of Strathclyde, Glasgow, UK.

#### **Professional involvement**

**Chairman.** Agriculture and Food products Divisional Committee, BSTI 2019-2021

**Member.** Fruits and vegetable products Sectional (Technical) Committee, BSTI 2016-2018

#### **Professional, Academic and Administrative experiences**

- **Pharmacist.** Registered Pharmacist, category 'A'. During 1982 to 1986 worked as a manufacturing Pharmacist in the Squibb of Bangladesh Limited
- **Member expert.** Higher selection board for selection of professor and associate professor in the department of Clinical Pharmacy and Pharmacology, Faculty of Pharmacy; and in the Institute of Nutrition and Food Science, University of Dhaka.
- **Administrative involvement**
  - Member of the Board of Governors of the Institute of Nutrition & Food Science, University of Dhaka during 1994-95
  - Member of Coordination and Development Committee, Institute of Nutrition & Food Science, University of Dhaka
  - Member of the Board of Governors, Vice-Chancellor nominee, Tejgaon College, Dhaka
  - House tutor, Salimullah Muslim Hall, University of Dhaka, 1998-2010

- President and Vice President of the Strathclyde Student's Association, Glasgow, during PhD studies at the Strathclyde University in Glasgow, 1992-1993.

### Professional membership

Member of

*Bangladesh Pharmaceutical Society (BPS),  
Nutritional Society of Bangladesh (NSB),  
Bangladesh Association for Advancement of Science (BAAS),  
Pharmacy Graduate Association Bangladesh (PGA)*

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

### Seminar/Conference attended

- 8<sup>TH</sup> International Food Data Conference, 8<sup>th</sup>IFDC, October 1-3, 2009.
- 17<sup>th</sup> International Congress of Nutrition (17<sup>th</sup>ICN) 2001, Vienna, Austria
- Regulation of Phytochemicals by Molecular Techniques, August 6-10, 2000, Beltsville, Maryland, USA.
- 8<sup>th</sup> Asian Congress of Nutrition (8<sup>th</sup> ACN), Aug 29-Setp 2, 1999, Seoul, Korea
- IX<sup>th</sup> Asian Congress of Nutrition, February 23-27, 2003, p260, New Delhi: India.
- 2<sup>nd</sup> National Conference on Breastfeeding and Complementary feeding. ICMH, August 19- 20, 2006.
- ICMH NCI 1<sup>st</sup> National Conference on 'achieving Millennium Development GOALS 4 AND 5: Institute of Child and Mother Care, Dhaka 30-31 March 2007

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## Research and Publication

### Research

#### Involvement in Research Project

1. *Joint Investigator:* Nutrition, Health and Demographic Survey of Bangladesh – 2011, supported by USAIDS, 2010-2012.
2. *Principal Investigator.* Preparation of Food Composition database with Special Reference to Indigenous and Ethnic Foods Supported by FAO-NFPCSP Funded by EC & USAID under the Programme Research Fund, November 2008- May 2010; successfully completed.
3. *Principal investigator.* Comprehensive Food Consumption Survey (CFCS) for identification of key indigenous and ethnic foods Supported by FAO-NFPCSP, 2010; completed.
4. *Principal Investigator:* Screening of HIV antibody and analysis of immunoglobulin and cytokine 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.
5. *Principal 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.
6. *Principal investigator:* Investigation into serum mineral profile in pre-eclampsia and eclampsia, and *their* association to the aetiology of the complication, being sponsored by the University of Dhaka, 2005; successfully completed, final report submitted and accepted by the University.
7. *Principal investigator.* Investigation into Immunonutritional Indices of Severe Malnourished Children of Bangladesh, 2006; successfully completed, final report submitted.
8. *Principal Investigator:* Immunomodulating properties of nutraceuticals, sponsored by Bangladesh University Grants Commission, during 1999-2000; successfully completed, and final report submitted and accepted by the Commission.
9. *Principal Investigator.* Study on serum alpha-tocopherol level and nutritional status of the drug addicts in Bangladesh, sponsored by the Bangladesh Medical Research Council (BMRC), during 1999; successfully completed.

10. *Co-Investigator*: 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.
11. *Co-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.
12. *Co-Investigator*: Preparation of food composition database, support received through ENRECA (Programme for Enhancement of Research Capacity in Developing Countries), funded by DANIDA (Danish International Development Assistance), Ministry of Foreign Affairs, Copenhagen, Denmark, 1999-2002; final report submitted and accepted.
13. *Co-Investigator*: Phytochemical investigation of medicinal plants and antimicrobial and cytotoxic activity studies of the secondary metabolites, funded by Bangladesh University Grants Commission, during 1998-1999; successfully completed, and final report submitted and accepted by the Commission.
14. *Co-Investigator*: Effect of colostrum composition on infant mortality, financed by BBF (Bangladesh Breast Feeding Foundation), 1998-2000, successfully completed, and final report submitted and accepted by the Foundation.
15. Involved in Multiple Nutrients Intervention to Malnourished under five Children: Effect on Growth, Morbidity and Immunity, under National Nutrition Program (NNP), 2010-2011.
16. *Principal Investigator*: Conducting a pilot survey on Ethnic Food Habit in CHT, 2012.
17. *Associate Investigator*: Analysis of 30 foods of Bangladesh for improving national food composition table. Sponsored by the Ministry of Science and Information & Communication Technology, 2012.
18. *Principal Investigator*. Preparation of Food Composition Tables and Database for Bangladesh with Special Reference to Selected Ethnic Foods, funded by FAO, NFPCSP), Bangladesh (GCP/BGD/034/MUL), 2010-2011
19. *Principal Investigator*. Nutrient Quality of *WonderBag* Cooking: Nutrient Quality and Shelf Life of *WonderBag* Food. Programme Research German Cooperation, Gesellschaft für Internationale Zusammenarbeit (GIZ) Project no:12.2097.9-001.00, Contract no: 83179391
20. *Principal Investigator*. Immunonutrients Profile Associated with Health and Nutritional Status of Underprivileged Poor with Special Reference to Ethnic People of Bangladesh-2015-2016.

## Thesis Supervision

### PhD thesis

1. Immune profile and nutritional status of the drug addicts: role of vitamin E, C and p-carotene on the immunity. PhD, Kazi Jahangir Hossain, 2002
2. Immunonutritional profile of acute respiratory infection among selected group of children of Bangladesh. PhD, Mostafa Kamal, 2006.
3. Clinical investigation of Trace elements, Immunoglobulins, Antioxidants and Neurotransmitters in patients suffering from Panic Disorder. PhD, Zebun Nahar, 2012.
4. Study of ethnotaxonomy and nutra-medical properties of leafy vegetables of Bangladesh. PhD, Maksuda Khatun, 2012
5. Immuno-nutritional Status and Infectious Disease Prevalence among Commercial Sex Workers (CSWs) and Sex Users of Bangladesh. PhD, Mahbuba Kawsar, 2017.
6. Nutrient Composition and medicinal properties of plant foods consumed by Ethnic groups in Chittagong hill tracts. PhD, Parveen Begum, 2021
7. Effect of Zinc Supplementation on Blood Glucose level in Type 2 Diabetics: A Placebo Control Clinical Trial. PhD, Shayla Nasrin, 2021.
8. Women Employment in Agriculture and Shrimp industries: Impacts on Lifestyle, Health, Nutrition and Food Security. PhD, Nasin Nahar, 2020
9. Immunotarget Profile of Nephrotic Syndrome in Children and Membranous Nephropathy in Adult and Effect of Pharmacological Dose of Zinc on Maintenance of Immunosuppression. PhD research, Golam Afsar, 1<sup>ST</sup> seminar delivered and continue working
10. Role of natural antioxidants on the stability of fats and oils in processed food. PhD research, Md. Tareque Abdullah, 1<sup>ST</sup> seminar presented and continue working
11. Effect of vitamin D supplementation on glucose homeostasis among Type 2 Diabetes Mellitus: A Randomized Control Trial. PhD research, Nadia Begum, 1<sup>ST</sup> seminar delivered and continue working

12. Effect of egg protein, omega-3 fatty acids and vitamin D on immune-nutritional status and quality of life of breast cancer patients undergoing chemotherapy: A Randomized control trail. PhD research, continue working
13. Effect of Vitamin D3 Supplement on the Cognitive Status in Patient with Systemic Lupus Erythematosus with Neuropsychiatric Phenomena. PhD research, Nasreen Sultana, continue working
14. Changes in edible oil quality and development health hazard compounds during thermal processing, PhD research, Alamgir Kabir, continue working
15. Influence of infant and child feeding and hygiene practices: Evidence from slums of a megacity, PhD research Rawson Kabir, continue working
16. Investigation of Phytochemical Constituents and Biological Activities of *Plectranthus scutellarioides* & *Salvia splendens* Leaves (Family: Lamiaceae). PhD research, Nisrat Jahan, continue working

#### **M. Phil. thesis**

17. Cytotoxic and immunomodulating properties nutraceuticals and/or spices 2000.
18. Effect of different foliar extracts of Neem (*Azadirachta indica* A. Juss) on the Larva of *Culex quinquefasciatus* say (*Diptera: Culicidae*) 2003.
19. Effect of Zinc and Magnesium Supplementation in severely malnourished children during Nutritional Rehabilitation 2006.
20. Nutritional status and disease pattern of drug addicts in Bangladesh 2008.
21. Micromineral (iron, selenium) status of diabetic patient with low BMI 2009.
22. Nutritional consequences of chronic arsenic exposure of women in some selected villages of Bangladesh- a case control study 2010
23. Micromineral profile of preeclampsia and eclampsia patients 2011.
24. Nutritive values of some foods commonly consumed in our country 2012
25. Tribal Food Habit and Nutrient Composition of some selected tribal fruits and vegetables of Bangladesh. 2015.
26. Selected Micronutrient Status of Ethnic People in Chittagong Hill Tracts 2016.
27. Carotenoids and Carotene Profile of Selected Vegetables with Reference to Some Unconventional Food. 2016.
28. Food consumption practice and nutrient intake of ethnic people of Chittagong hill tracts. M. Phil. Thesis 2017
29. Nutrition, health and food security in poor people of Sylhet Division. M. Phil thesis Suraiya Parveen, 2019

#### **MS thesis**

30. Comparative study of honey for its antibacterial and cytotoxic activities on clinical pathogens and brinne shrimps. MSc thesis, June 1997.
31. Supplementary feeding pattern and practice and nutrition situation of the floating infants of the Dhaka metropolis. MSc thesis, 1998.
32. Antioxidant vitamin (E, C & A) contents in colostrum of Bangladeshi mothers. MSc thesis, 1999.
33. Colostrum contents of antioxidant minerals (Cu, Zn, Fe). MSc thesis, 1999.
34.  $\beta$ -carotene and proximate nutrients contents of Green leafy vegetables (GLVs) of Bangladesh. MSc, 1999.
35. Immunoglobulin (IgA, IgG, IgM) levels in colostrum, transitional milk and mature milk of Bangladeshi mothers. 2000.
36. Vitamin C levels of colostrum, milk and serum of lactating mothers. MSc thesis, 2000.
37. Energy intake and biochemical characteristics of hospitalized liver cirrhotic patients. MSc thesis, 2000.
38. Nutritional status of liver cirrhotic patients in respect of anthropometry and clinical assessment. MSc thesis, 2000.
39. Total carotenoids and  $\beta$ -carotene contents of non-leafy vegetables (NLVs) of Bangladesh. MSc thesis, 2000.
40. Carotenoids,  $\beta$ -carotene and ascorbic acid contents in different varieties of Challis (*Capsicum annum* L.) of Bangladesh. MSc thesis, 2000
41. Hypoglycemic property of nutraceuticals in diabetic rat model. MSc thesis, 2001.
42. Investigation into the minerals and ascorbic acid content in the green leafy vegetables (GLVs) of Bangladesh. 2001.

43. Ascorbic acid, carotenoid and mineral content of non-leafy vegetables (NLVs) of Bangladesh. MSc 2002
44. Ascorbic acid and proximate nutrient contents of different varieties of bananas of Bangladesh, Lubana Islam, 2002
45. Ascorbic acid content in different fruits of Bangladesh. MSc thesis, 2005.
46. Carotenoid and  $\beta$ -carotene content in different fruits of Bangladesh. MSc thesis, 2005.
47. Serum zinc level ARI of children: association with disease prevalence. Ila Ismail, MSc thesis 2004.
48. Serum immunoglobulins concentrations in pre-eclampsia and eclampsia: their influence on disease severity. 2007.
49. Health and nutritional status of disabled children in Dhaka city. MSc thesis 2007.
50. Nutrient retention by Solar and conventional cooking processes. MSc thesis 2007.
51. Anemia prevalence among the adolescent girls of Dhaka city. MSc Thesis, 2007.
52. Use of certified chemical preservatives on some local fruits. Kazi Tanjeela Salam, 2007.
53. Carotenoids and carotenes concentration in sweet potato: a possible solution to vitamin A deficiency. MSc 2008
54. Food security in Sidr affected people. MSc thesis, 2008.
55. Health and nutritional status of the people in Sidr affected area. MSc thesis 2008.
56. Proximate nutrient content of cereals, pulse and potatoes- Sabuj Kanti Mistry, 2009.
57. Analysis of ascorbic acid, caroteneoids and minerals content in different indigenous minor fruits of Bangladesh, MTI Shajib, SBAU, 2008.
58. Nutrition profile of fishermen family in Khulna division. Mehruba Sharmin, KCCWC 2009.
59. Food intake pattern and practice of fishermen family in Khulna division, Razia Ahmed, KCCWC 2009.
60. Health and nutritional status of adolescent girls of fishermen family in Khulna division. Rehana K, KCCWC 2009.
61. Analysis of phytic acid content in leafy & non-leafy vegetables and tubers of Bangladesh, S Sharmin, KCCWC, 2010.
62. Analysis of dietary fiber in some selected fruits in Bangladesh. Shamira Sharmin, KCCWC 2010.
63. Analysis of phytic acid content in some selected cereals, pulses and fruits of Bangladesh. Ismat Z R, KCCWC 2010.
64. Estimation of total caroteneoid contents in ethnic vegetables, fruits, and some common non-leafy vegetables of Bangladesh. Mobashshera Haque, JU, 2010.
65. Proximate nutrient contents in some selected vegetables, M Helal Uddin, SBAU, 2010.
66. Estimation of total dietary fiber in ethnic and local fruits and vegetables. Sanzida Khan, JU 2010.
67. Estimation of proximate nutrient composition and phytic acid content of some selected leafy and non-leafy ethnic vegetables. JU 2010.
68. Estimation of caroteneoids, vitamin C and proximate nutrient contents of some local fruits. JU 2010.
69. Estimation of mineral content in some selected fish of Bangladesh, M Abdullah-Al-Mamun, 2010, DU.
70. Analysis of proximate nutrient in some selected vegetables commonly consumed by Ethnic People of Bangladesh- Shahnaz Parvin, 2012.
71. Estimation of carotenoid Content of some rare tribal vegetables of Bangladesh - Nandini Das, 2012.
72. Analysis of B-vitamins in some selected vegetables commonly consumed by Ethnic People of Bangladesh- Mohammad Khairul Alam, 2012.
73. Analysis of vitamins C in some selected vegetables commonly consumed by Ethnic People of Bangladesh- Arifa 2012.
74. Analysis of phenolic compounds in some selected vegetables commonly consumed by ethnic people of Bangladesh- Monica Roy, 2012.
75. Estimation of mineral content of some rare tribal vegetables of Bangladesh- Md.Shahjalal Hossain Khan, 2012.
76. Total phenol content of some selected vegetables consumed by the ethnic community of Bangladesh-Shifat, 2014.
77. Estimation of total dietary fibre content of some selected vegetables consumed by tribal people of Bangladesh-Maria, 2014.

78. Mineral content of some selected unconventional vegetables- Rajib Kumar Kundu, 2016.
79. Dietary fibre and phytic acid content in selected unconventional vegetables and fruits- Ruheea Taskin Ruhee, 2016.
80. Food security in Jamalpur District- Md. Emdadul Hossain, 2016.
81. Estimation of Total Carotenoids and Total Phenol Content of Unconventional Vegetables, Nazura Kabir, 2017.
82. In Vivo Anti-inflammatory and Analgesic Activities of *Camellia sinensis*, *Trachyspermum roxburghianum*, *Foeniculum vulgare* and *Nigella sativa*, Sadia Tabassum, 2017
83. In Vitro Evaluation of Antioxidant Activity of Selected Unconventional Vegetables of Bangladesh, Reba Yasmin, 2017.
84. In vitro evaluation of antioxidant activity of selected variety of Orange Fleshed Sweet Potatoes grown in Bangladesh. Taskeen Sumaia 2018.
85. Women empowerment and their role in ensuring household food security in Mymensingh division in Bangladesh, Ayesha Siddiqua 2018.
86. In vitro analysis of antioxidant activity of selected unconventional and commonly consumed vegetables of Bangladesh, Afsana Anwar 2019
84. Therapeutic use of Orange Fleshed Sweet Potatoes to alleviate experimental stress in rat. Jyosna Khanam, 2019.
85. Total phenol content and antioxidant activity of selected oils and garlic: their therapeutic use to alleviate chemically induced neurological stress in animal model. Sinthia Shahreen Bristy, 2019.
86. In vitro evaluation of total phenol, antioxidant capacity and in vivo stress reducing capacity of selected ethnic plant samples. Zannatul Ferdous Miftah, 2019
87. Nephroprotective potential of probiotic and functional foods in combating heat dehydration and gentamicin induced nephrotoxicity in rat model: address to climate change, Sneha Sarwar, 2019.
88. Effect of functional food and nutraceutical to alleviate oxidative stress induced in experimental animal, Ontara Khatun, 2019.
89. Nephroprotective activity of phenolic foods to ameliorate Gentamicin induced nephrotoxicity associated with oxidative stress, 2020
90. Therapeutic potential of phytochemical containing foods to mollify cardiovascular diseases and oxidative stress, 2020
91. The neuroprotective effect of high antioxidant food in drug (Reserpine) induced neurotoxicity and alleviation of oxidative stress in experimental rodents, 2020
92. Effects of high antioxidant foods and nutraceuticals on hepatotoxicity and oxidative stress of Acetaminophen induced rat models.

## **Publications**

### **Book**

- 1 Akhtaruzzaman M, Khan MNI, Islam SN, Nutrition, Health and Demographic Survey of Bangladesh – 2011, supported by USDA, 2010-2012, published in December 2013. [www.du.ac.bd/DownLoads/qlink/NHDSBD-2013.pdf](http://www.du.ac.bd/DownLoads/qlink/NHDSBD-2013.pdf)
- 2 Islam SN, Md. Nazrul Islam Khan, M. Akhtaruzzaman A food composition database for Bangladesh with special reference to selected ethnic foods, funded by FAO, NFPCSP, 2010
- 3 Islam SN, Md. Nazrul Islam Khan. Comprehensive Food Consumption Survey in Bangladesh, 2011
- 4 Islam SN, Md. Nazrul Islam Khan, M. Akhtaruzzaman. Food Composition Tables and Database for Bangladesh with Special Reference to Selected Ethnic Foods. Edited by Md. Nazrul Islam Khan, Islam SN; Reviewed by Sagarmay Barua, INFS, DU; Palal Prokashoni, Shahbag, Dhaka, Bangladesh, 2012.
- 5 Islam SN: Contributing Author. Drug Addiction: Its Impact on Social Life and Public Health: In Trends in Lifestyle and Health Research. Chapter 4, edited by Laura V Kingler, Nova Science Publishers, Inc. New York, USA pp 63-83, 2005.

### **Journal article**

#### **2021-2020**

- 6 Bristy SS, Khanam J, Sadi SKS, Islam SN. Therapeutic use of vegetable oils as functional food in alleviation experimental depression. *J Food Sci Nutr* 6:082, 2020 (December 2020). DOI:10.24966/FSN-1076/100082



- 7 Das R, Emon MPZ, Shahriar M, Nahar Z, Islam SMA, Bhuiyan M A, Islam SN, Islam MR. Higher levels of serum IL-1 $\beta$  and TNF- $\alpha$  are associated with an increased probability of major depressive disorder. *Psychiatry Research*, 295,113568:2021. <https://doi.org/10.1016/j.psychres.2020.113568>
- 8 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* 24(3): 1-8, 2021. doi: 10.34763/jmotherandchild. 20202403.2032.d-20-00001.
- 9 Akter S, Ahsan M, Sheikh Nazrul Islam SN. Medicinal Uses of Garlic - a mini review. *Bangladesh J Nutr* 32:61-72, 2019 (March, 2021).
- 10 Al Mamun MA, Ghani RBA, Mohammad Ali Sidiquee MA, Islam SN. Short communication: Estimation of Mineral Ca, Mg, Fe, Cu and Zn Content in Common Fish of Bangladesh. *Bangladesh J Nutr* 32:57-59, 2019 (March, 2021).
- 11 Alam MK, Sams S, Rana ZH, Akhtaruzzaman M, Islam SN. Minerals, vitamin C, and effect of thermal processing on carotenoids composition in nine varieties orange-fleshed sweet potato (*Ipomoea batatas* L.). *Journal of Food Composition and Analysis* 92:103582, 2020.
- 12 Sams, S., Alam, M. K., Ahsan, M., & Islam, S. N. (2020). 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.
- 13 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 Med* 8:1-8, 2020. doi:10.1177/2050312120940533
- 14 Alam MK, Rana ZH, Islam SN, Akhtaruzzaman M. Comparative assessment of nutritional composition, polyphenol profile, antidiabetic and antioxidative properties of selected edible wild plant species of Bangladesh. *Food Chemistry*. 2020 Mar 18:126646.
- 15 Alam MK, Tuli R, Khan MS, Abdullah ATM, Khatun M, Akhtaruzzaman M, Islam SN. Chromatographic assessment of polyphenolic profile and total phenolic content and antioxidant activity of common leafy vegetables in Bangladesh. *Current Chromatography*, 7(1), 40-50,2020.
- 16 Haque M., Zohora FT.-Z., Jilhaz M., Hasan MM, Enan M E, and Islam, SN. (2020). Estimation and comparison of total carotenoid contents in ethnic vegetables, fruits and some common non leafy vegetables of Bangladesh. *Int J Pharmacog Life Sci*, 1(1),05–09, 2020. <https://doi.org/10.33545/27072827.2020.v1.i1a.2>
- 17 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. *Nat Prod Res*. Nov 20:1-5, 2020. doi: 10.1080/14786419.2020.1849198.
- 18 Kawser M, Khan MNI, Hossain KJ, Islam SN. Original article. Socioeconomic, behavioural and sexual-health factors associated with nutritional status of female commercial sex workers in Dhaka city, Bangladesh: a cross-sectional study. *Porto Biomed. J*. 5(5):6,2020.
- 19 Alam MK, Rana ZH, Kabir N, Begum P, Kawsar M, Khatun M, Ahsan M, Islam SN. (2020). Total phenolics, total carotenoids and antioxidant activity of selected unconventional vegetables growing in Bangladesh. *Current Nutrition & Food Science*, 16(7), 1088-1097.
- 20 Begum, A., Kawser, M., Sams, S., Begum, P., Khatun, M., Mostafa, S., Akhtaruzzaman, M., and Nazrul Islam, S. Phytic Acid- an AntiNutrient Nutraceutical in Ethnic Vegetables Growing Wildly in Tribal Regions of Bangladesh. *Journal of Diseases and Medicinal Plants*, 6(1), 16, 2020. <https://doi.org/10.11648/j.jdmp.20200601.13>
- 21 Kamal M, Aziz F, Islam M, Ahsan M, Islam, S. N. (2020). Effect of immunonutritional status, healthcare factors, and lifestyle on acute respiratory infections among under-5 children in Bangladesh. *SAGE Open Medicine*, 8,1-8, 2020. <https://doi.org/10.1177/2050312120940533>
- 22 Nasrin S, Kawser M, Ahmed SU, Khan MN, Islam SN. Advice-only Diet Restriction and Physical Activity: Influence on Blood Glucose Level of Poorly controlled Type 2 Diabetic Patients. *J Food Nutr Sci* 7(1): 51-56, 2020.
- 23 Sartaz S, Kawser M, Akhtaruzzaman M, Islam SN. Nutritional Status of Reproductive Ethnic Woman Living in Chittagong Hill Tracts of Bangladesh: Influence of Socio-economic and Nutritional Factors. *International Journal of Nutrition*. Apr 6;5(3):16, 2020.
- 24 Al Mamun MA, Rana MM, Ghani RB, Islam SN. Analysis of proximate nutrient content in some selected fish of Bangladesh. *Bd J N*. 31-32 (2018), 2020.

#### 2019-2015

- 25 Ruhee, RT, Sams S., Begum A, Alam M K, Begum P, Khatun M, Kawser M, Saberlin S, Ahsan M, Islam S N. (2020). Dietary fibre content in ethnic and unconventional vegetables and fruits growing in Bangladesh. *Potravinarstvo Slovak Journal of Food Sciences*, 14(September 2019), 33-41, 2020. <https://doi.org/10.5219/1202>

- 26 Zohora FT, Islam SN, Khan SA, Hasan CM, Ahsan M. Antioxidant, Cytotoxic, Thrombolytic and Antimicrobial Activity of *Zanthoxylum rhetsa* Root Bark with Two Isolated Quinolone Alkaloids. *Pharmacology & Pharmacy*, 10, 137-145, 2019.
- 27 Tabassum F, Hasan CM, Masud MM, Islam SN and Ahsan M. Phytochemical and Biological Investigation of *Ravenia spectabilis* Leaves. *Asian Journal of Chemistry*, 31(1), 139-142, 2019.
- 28 Alam MK, Rana ZH, Islam SN, and Akhtaruzzaman, M. Total phenolic content and antioxidant activity of methanolic extract of selected wild leafy vegetables grown in
- 29 Begum NN, Khan MNI, Rahman SS, and Islam SN. Women employment in agricultural sector: Effects on livelihoods. *Journal of the Bangladesh Agricultural University*, 17(3), 375–379, 2019. <https://doi.org/10.3329/jbau.v17i3.43218>
- 30 Kha Z, Ara F, Yasmeen O, Jahan I, Nahar S, and Islam SN. The blood glucose lowering effect of ethanolic extract of *Embllica officinalis* fruit in alloxan induced hyperglycaemic rats. *JMSCR Volume 07 Issue 07 July 2019 07(07)*,689–694,2019. DOI: <https://dx.doi.org/10.18535/jmscr/v7i7.122>
- 31 Islam SN, Kamal MM, Rahamatullah R, Sadi SKS, Ahsan M. Serum zinc levels in children with acute respiratory infections: Association with sociodemography and nutritional status. *Clinical Nutrition Experimental*, 22, 11-18, 2018.
- 32 Islam MR, Islam MR, Ahmed I, Al Moktadir A, Nahar Z, Islam, MS, Shahid, SFB, Islam SN,<sup>7</sup> Md Saiful Islam MS, Hasnat A. Elevated serum levels of malondialdehyde and cortisol are associated with major depressive disorder: A case-control study. *SAGE Open Med* 6:1-7, 2018. doi: 10.1177/2050312118773953
- 33 Begum NN, Khan MNI, Rahman SS, Islam SN. Livelihood status of women workers in shrimp sector at south western region in Bangladesh. *Research in Agriculture Livestock and Fisheries* 5(3),391-397,2018. <https://doi.org/10.3329/ralf.v5i3.39588>
- 34 Begum P, Noman MAA, Adib M, Ahsan M, Islam SN. Antibacterial Activity of Ethnic Vegetables Consumed by the Indigenous People Living in Chittagong Hill Tracts. *European Journal of Medicinal Plants* 18(4), 1-7, 2017.
- 35 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* 199,628-631, 2016.
- 36 Hossain A, Begum P, Zannat MS, Rahman MH, Ahsan M, Islam SN. Nutrient composition of strawberry genotypes cultivated in a horticulture farm. *Food Chemistry* 199, 648-652, 2016
- 37 Alam MK, Rana ZH, Islam SN. Comparison of the proximate composition, total carotenoids and total polyphenol content of nine orange-fleshed sweet potato varieties grown in Bangladesh. *Foods Sep*;5(3):64, 2016.
- 38 Begum P, Nitu CB, Haque S, Zohora FT, Islam SN. Antimicrobial and antifungal activities of green chili, green papaya, green and ripe tomatoes and bitter gourd. *World J Pharm. Res* 4(2):152-159, 2015.
- 39 Khatun M, Haque S, Hassan MA, Islam SN. Medicinal value of some edible leafy vegetables from Bangladesh. *World J Pharm Res* 4(2):139-151, 2015.
- 40 Shahidulaah M, Sallahuddin M, Ahsan T, Ahsan M, Rahman MM, Islam SN. Srijela-an herbal preparation with galactogenic property. *Am J Clin Expt Med* 3(2),59-61,2015
- 41 Haque S, Ara F, Iqbal MJ, Islam SN. Effect of different extracts of Aloe Vera gel (*Aloe Barbadosis*) on blood glucose level of alloxan induced hyperglycaemic mice. *Bangladesh Med J* 44(2):61-66, 2015.

#### 2014-2010

- 42 Ahsan M, Haque MR, Hossain MB, Islam SN, Gray AI, Hasan CM. Cytotoxic dimeric quinolone-terpene alkaloids from the root bark of *Zanthoxylum rhetsa*. *Phytochemistry* 103, 8-12, 2014
- 43 Ahsan M, Zohora FT, Islam SN. Cytotoxicity of *Scoparia dulcis* on human cancer cell lines. *Indian J of Pharm Sc & Res*, 4(1), 9-11, 2014
- 44 Rahman M, Islam SN. Effect of serum antioxidants (Vitamin E, C and A) in lung cancer patients. *Int J Pharm Sci* 6:578-580, 2014.
- 45 Noor S, Prophan A, Zohora FT, Tareq FS, Ahsan M, Hasan CM, Islam SN. Phytochemical, Antioxidant, Antimicrobial, Thrombolytic and Cytotoxic Studies on the Stem Bark of *Manilkara zapota* (Sapotaceae). *Asian J. Chem*, 26(18), 6138-6142, 2014.
- 46 Rubena Haque, Shahnila ferdousi, Islam SN, Razia Sultana, Shammi Sultana Ferdousi. Original Article: Antioxidant Vitamin (E&C) Contents in Colostrum of Bangladeshi Women. *Delta Med Col J* 2(2): 53-57,2014.
- 47 Rahman MM, Majid MA, Islam SN. Hypocholesterolemic effects of fish and vegetable oils on the serum lipid profile of experimentally induced hypercholesterolemic rats. *European Scientific Journal* 10(6): 475-482, 2014.

- 48 Ramatullah M, Rafique M, Khan MN, Islam SN. Serum vitamin E, C and A level in lung cancer: a case control study. *European Scientific Journal* Oct 1 9(30): 2013. <https://doi.org/10.19044/esj.2013.v9n30p%p>
- 49 Shajib MTI, Miah MN, Begum P, Kawser M, Bhattacharjee L, Hossain A, Fomsgaard IS, Islam SN. Nutritional composition of minor indigenous fruits: cheapest nutritional source for the rural people of Bangladesh, *Food Chemistry*, 140 (3):466-470, 2013.
- 50 Rahmatulla M, Liat Ali Khan, Monira Ahsan<sup>3</sup>, Islam SN. Illicit drug use and prevalence of infection and chronic disease. *Eur j Life Si Tech*, 11:10-14, 2013.
- 51 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*, 9(30):103-115, 2013
- 52 M Akhtaruzzaman, Sharmin R, Mahbuba K, Siddiquee MA, Islam SN. Carotene, Mineral and Proximate Nutrient contents of Palm Fruit-A Monsoon Fruit of Rural Bangladesh. *Eur J Agr Sci.*, 11:57-60, 2013
- 53 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*, 152, 327-332. 2013.
- 54 Sharmin S, Zohora FT, Tareq FS, Islam SN, Hasan CM, Ahsan M. Phytochemical and biological investigation of *Ipomoea pescaprae* (L) R. Br. *Am.J. Pharm Tech.Res* 3(2), 902-912, 2013.
- 55 Nahar Z, Khanum S, Harun S, Islam SN, Sobhan A, Islam S, Hasnat A. Immunoglobulin levels in panic disorder patients. *Pak J Pharm Sci* Jan 1;25(1):149-53,2012.
- 56 Ahsan M, Haque MR, Islam SN, Gray AI, Hasan CM. New labdane diterpenes from the aerial parts of *Scoparia dulcis* L. *Phytochemistry Letters* 5 609–612, 2012.
- 57 Zohora FT, Sarkar P, Tareq FS. Islam SN, Hasan CM, and Ahsan M. Chemical and biological Investigation of *Artocarpus lackoocha*. *Am. J. PharmTech Res.*; 2(6) ISSN: 2249-3387, 2012.
- 58 Naim M, Amjad FM, Sultana S, Islam SN, Hossain MA, Begum R, Rashid MA, Amran MS. A Comparative Study of Antidiabetic Activity of Hexane-Extract of Lemon Peel (Limon citrus) and glimepiride in alloxan-induced diabetic rats. *BPJ* 15(2): 131, 2012.
- 59 Raman MS, Rahman MZ, Begum B, Chowdhury R, Islam SN, Rashid MA. Antidiabetic principle from *Eclipta prostrate*. *Lat. Am. J. Pharm* 30 (8):1656-1560, 2011.
- 60 Islam SN, Akhtaruzzaman M, khan MNI. A food composition database for Bangladesh with special reference to selected ethnic foods. <http://www.nfpcsp.org/agridrupal/content/food-composition-database-bangladesh-special-reference-selected-ethnic-foods>, 2010.
- 61 Ali R., Ahsan MS, Azad MA, Ullah MA, Bari W, Islam SN, Yeasmin S, Hasnat A. Immunoglobulin levels of vitiligo patients. *Pak J Pharm Sci* 23, 97-102, 2010.
- 62 Ahsan T, Begum SR, Ahsan M, Islam SN. Serum Zinc Level in Pre-eclamptic Pregnancies: Association with Clinical Complication. *Bangladesh Medical Journal* 39(1):7-10, 2010.
- 63 Zabun Nahar, Azad MAK, Rahman MA, Rahman MA, Bari W, Islam SN, Islam MS Hasnat A. Comparative Analysis of Serum Manganese, Zinc, Calcium, Copper and Magnesium Level in Panic Disorder Patients. *Biol Trace Elem Res* 133(3):284-290, 2010: DOI: 10.1007/s12011-009-8441-7.

#### 2009-2005

- 64 Hossain KJ, Kamal MM, Ahsan M, Islam SN, Multiple micronutrients (vitamins E, C, beta-carotene) intervention to immunomicronutrients deficient drug addict. *Internet Journal of Nutrition and Wellness* 7(2):2009: DOI:10.5580/1830.
- 65 Sadat AFMN, Hossain MI, Hossain KM, Reza MS, Nahar Z, Islam SN, Hasnat A. Serum Trace Elements and Immunoglobulin Profile in Lung Cancer Patients. *Journal of Applied Research* 8(1):24-33,2008.
- 66 Ahsan T, F Wahab, M Kamal, Islam SN. *Serum Immunoglobulins (IgG, IgA, IgM) levels in Preeclampsia and Eclampsia Pregnancies*. *Internet Journal of Third World Medicine* 8(1), 2008.
- 67 Islam SN, Khanam J, Haque S, Khan MNI, Barua S, Thilsted SH' Hassan N. Ascorbic acid, Carotenoids and B-carotene content in different varieties of Chilies (*Capsicum annum L.*) of Bangladesh. *Bangladesh J Nutr* 17:7-12,2007.
- 68 Hossain E, Safayetullah M, Ahsan T Ahsan M, Islam SN. Hypoglycemic properties of nutraceuticals. *Dhaka Univ J Pharm Sci* 6(2):105-107, 2007.
- 69 Ahsan T, Ahsan M, Islam SN. Postnatal changes in maternal serum antioxidant vitamins. *The Internet Journal of Nutrition and Wellness* 6 (1), 2007.
- 70 Ahsan T, Ahsan M, Kamal MM, Hossain KJ, Haque ME, Islam SN. Lifestyle, nutritional status and serological profile of liver cirrhotic patients *Bangladesh Medical Journal* 36(2):44-47,2007.

- 71 Ema FK, Barua S, Islam SN. Mineral content in different banana varieties of Bangladesh. *BD J Nutr* 17:95-98, 2007
- 72 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*, 2:12, 2007 doi: 10.1186/1747-597X-2-12.
- 73 Hossain I, Sadat AFN, Hossain K, Qusar S, Islam SN, Islam S, Hasnat A. Serum immunoglobulin profile in somatization disorder patients. *German J Psychiatric* 10:13-17, 2007.
- 74 Hossain I, Islam SN, Khan MNI, S, Islam, Hasnat A. Serum levels of copper, zinc and manganese in somatization disorder patients. *German J Psychiatric* 10:41-45, 2007. <http://www.gipsy.uni.goettingen.de> ISSN 1433-1055.
- 75 Islam SN, Ahmed L, Khan MNI, Huque S, Begum A, Yunus ABM. Immune components (IgA, IgM, IgG, immune cells) of colostrums of Bangladeshi mothers. *Pediatr Int* Dec;48(6):543-548, 2006. doi: 10.1111/j.1442-200X.2006.02291.x.
- 76 Islam SN, Begum P, Ahsan M. Serum Micronutrient ( $\alpha$ -tocopherol, retinol, copper, zinc) Status of Immunosuppressed Rats. *Mai J Nutr* 11(1):69-73, 2006.
- 77 Hossain KJ, Kamal MM, Akhtaruzzaman M, Islam SN, Ahsan M. Nutrient and Immune profile of CED-Anemic substance abusers undergoing detoxification. *Bangladesh Med J* 31(1): 4-10, 2006.
- 78 Islam SN, Hossain KJ, Ahsan M. Nutrients and immunity status of HIV-1-seropositive drug addicts. *Mai J Nutr* 12(1):123-124, 2006.
- 79 Rahman GMF, Hossain MI, Islam SN, Ameen M-U. Efficacy of aquatic plant extracts on the larvae of *Culex quinquefasciatus* say *TDiptera: Culicidae*). *Bangladesh J Zool* 34(1):1-5,2005.
- 80 Karim P, Sadat AFMN, Hossain MI, Qusar MMAS, Islam SN, Hasnat A. Immunoglobulin (IgG, IgA and IgM) profiles in schizophrenic patients. *Dhaka Univ J Pharm Sci* 4(1):39-43, 2005.
- 81 Baker A, Sadat AFN, Hossain I, Islam SN, Hasnat A. Immunoglobulin levels in manic patients. *Dhaka Univ J Pharm Sci* 4(2):99-102, 2005.
- 82 Islam SN, Begum P, Ahsan M. Cytotoxicity of nutraceuticals on *Artimia salina*. *Dhaka Univ J Biol Sci* 14(2): 197-198, 2005.

#### 2004-2000

- 83 Ahmed L, Islam SN, Nahid SN. Differentials in vitamin C composition of human milk (colostrum, transitional and mature) and serum of a serum of Bangladeshi mothers. *Mai J Nutr*, 10(1): 1-4, 2004.
- 84 Ahmed L, Islam SN, M.N. I Khan MI, S. Huque, M. Ahsan. Antioxidant micronutrient profile (vitamin E, C, A, copper, zinc, iron) of colostr Islam SN um: association with maternal characteristics. *J Trop Ped* 50(4); 1-2, 2004.
- 85 Ahmed L, Edib K, Huda SN, Islam SN, Khan MNI. Breastfeeding Pattern and Gain in Weight Among a Group of Urban Infants. *Bangladesh J Nutr* 17:29-33,2004.
- 86 Islam SN, Ahsan T, Khatun S, Khan MNI, Ahsan M. Serum vitamin E, C and A levels in pre-eclamsia and eclampsia and their correlation with blood pressure: a study in Dhaka, Bangladesh. *Mai J Nutr* 10(2):207-214, 2004.
- 87 Islam SN, Hossain KJ, Kamal MM, Ahsan M. Serum immunoglobulins and peripheral immune cells status of drug addicts: influence of illicit drugs and sex habit. *Addiction Biology*, 9(1):27-33, 2004.
- 88 Islam SN, Nairn S, Barua S, Haque S, Khan MNI, Thilsted SH<sup>1</sup> Hassan N. Carotenoids and B-carotene Content of non-Leafy Green Vegetables (NLGVs) of Bangladesh. *Bangladesh J Nutr* 16:33-39, 2004.
- 89 Islam SN, Chowdhury G, Ara TS, Khan MNI, Haque S, Barua S, Hassan N. Vitamin C and mineral content in selected leafy and non-leafy vegetables of Bangladesh. *Bangladesh J Nutr* 17:1-6, 2004.
- 90 Hossain KJ, Islam SN, Kamal MM, Akhtaruzzaman, Supplementation of vitamin E, C and  $\beta$ -carotene to immune-deficient drug addict. *J Dhaka Med Coll* 13(1): 43-42, 2004.
- 91 Islam SN, Beum P, Huque S, Ahsan T, Ahsan M. Immunosuppressive and cytotoxic Properties of *Nigella sativa*: a Nutraceutical. *Phytotherapy Res* 18: 395-398, 2004.
- 92 Islam SN, Ahmed L Khan MNI, Huque S, Haque R, Halim H, Ahsan M. Immunonutrient Constituents of Human Colostrum. *Bangladesh J Nutr* 16: 75-82, 2003.
- 93 Islam SN, Ahsan T, Khatun S, Khan MNI, Huque S, Ahsan M. Correlation between vitamin (E, C & A) and blood pressure in pregnant and non-pregnant women. *Bangladesh J Nutr* 16: 59-64, 2003.
- 94 Ahsan M, Islam SN, Gray AI, Stimson WH. Cytotoxic diterpenes from *Scoparia dulcis*. *J Nat Prod* 66: 958-961, 2003

- 95 Islam SN, SN, Hossain KJ, Kamal MM, Ahsan M. Prevalence of HIV infection in the Drug addicts of Bangladesh Islam: Drug habit, Sexual practice and Lifestyle. *J STD & AIDS* 14: 762-764, 2003.
- 96 Islam SN, Rahman AKMM, Barua S, Haque S, Khan MNI, Thilsted SH, Hassan N. Nutrients and carotenoids content of green leafy vegetables (glvs) of Bangladesh. *Bangladesh J Nutr* 16: 123-129, 2003.
- 97 Islam SN, Hossain KJ, Kamal MM, Ahsan M. Nutritional Status of the Drug Addicts undergoing detoxification: prevalence of malnutrition and influence of illicit drugs and life style. *Brit J Nutr* 88:507-513, 2002.
- 98 Islam SN, Ahsan T, Khatun S, Hossain KJ, Ahsan M. Antioxidant vitamin (E, C and A) status of healthy men, women and pregnant mothers: a baseline study. *Bangladesh J Nutr* 14:5-12, 2002.
- 99 Hossain KJ, Kamal MM, Khan MNI, Huque S, Islam SN. Influence of drug and sexual practice on cholesterol status of drug addicts undergoing detoxification. *Bangladesh Med J* 31(1,2):12-14, 2002.
- 100 Kamal MM, Hossain KJ, Hossain AMMM, Khan MNI, Islam SN. Nutritional status of slum pre-school children: prevalence of malnutrition and Influence of socioeconomic factors. *J Dhaka Med Coll* 11(1): 32-39, 2002.
- 101 Ali SMK, Islam SN, Sehani S, Edib K, Mirza AJ, Chowdhury AHK, Jalaluddin M. Tamaind Indica as hypo lipidemic agent. *Chest and Heart Journal* 26(1)1-5, 2002.
- 102 Rahman M, Barura S, Sayeed S, Hassan MN, Huque S, Islam SN, Thilsted SH. Fat and mineral content in small indigenous fish of Bangladesh. *South Asian J Nutr* 3(1 &2):1-6, 2002.
- 103 Rahman M, Barura S, Sayeed S, Hassan MN, Huque S, Islam SN, Thilsted SH. Mineral content in small indigenous fish of Bangladesh. *South Asian J Nutr* 3(1 &2):19-24, 2002.
- 104 Islam SN, Gray AI, Waterman PG, Ahasan M. Screening of eight Alkaloids and ten Flavonoids Isolated from four Species of the Genus *Boronia* (Rutaceae) for Antimicrobial Activities against seventeen Clinical Microbial Strains. *Phytotherapy Res* 16, 672-673: 2002.
- 105 Islam SN, Hossain KJ, Ahsan M. Original communication: Serum vitamin E, C and A status of the drug addicts undergoing detoxification: influence of drug habit, sexual practice and life style factors. *Eur J Clin Nutr* 55(11):1022-27, 2001.
- 106 Hossain KJ, Islam SN, Kamal MM. Cholesterol status of the drug addicts undergoing detoxification: a case control serological analysis and influence of socioeconomic factors. *Bangladesh Med J* 30(2): 24-28, 2001.
- 107 Ahsan M, Zaman TA, Hasan CM, Rashid MA, Islam SN. Dihydrochelerythrine and Canthine-6-one from the stem bark of *Zanthoxylum rhetsa* DC. *Dhaka Univ J Biol Sci* 10(2): 117-120, 2001.
- 108 Ahsan M, Zaman TA, Islam SN. Sensitivity of clinical pathogens to the bark extracts of *Zanthoxylum rhetsa*. *Dhaka Univ. J Biol Sci* 10(1): 11-14, 2001.
- 109 Islam SN, Ahsan T, Khatun S, Hossain KJ, Kalam MA, Ahsan M. Antioxidant vitamin status of healthy man, women and pregnant mother: a baseline study. *Bangladesh J Nutr* 14: 5-12, 2001.
- 110 Hossain MI, Rahman GMF, Amin M, Islam SN. Effect of different foliar extracts of Neem (*Azadirachta indica* A. Juss) on the Larva of *Culex quinquefasciatus* say (Diptera: Culicidae). *Dhaka Univ J Biol Sci* 10(2): 121-127, 2001.
- 111 Ahsan M, Zaman TA, Hasan CM, Ito C, Islam SN. Constituents and cytotoxicity of *Zanthoxylum rhetsa* stem bark. *Fitoterapia* 71: 697-700, 2000.
- 112 Islam SN, Imam S, Haque S, Ahsan M. Antibacterial and cytotoxic properties of honey of different origins on clinical pathogens and Brine Shrimps. *Dhaka Univ J Biol Sci* 9(2): 171-175, 2000.
- 113 Islam SN, Haque S, Ahsan M, Kalam MA. Pulmonary tuberculosis in different age groups and sex among selected population of Bangladesh. *Dhaka Univ J Biol Sci* 9(1): 37-43, 2000.
- 114 Islam SN, Hossain KJ, Ahsan M. Sexual life style, drug habit and sociodemographic status of the drug addicts in Bangladesh. *Public Health, RIPHH* 114: 389-392, 2000.

#### 1999-1990

- 115 Rahman SMM, Ahmed A, Huque S, Hasan M, Islam SN. Nutritional status and dietary habit of peptic ulcer patients. *Bangladesh J Nutr* 12(1-2):25-32, 1999.
- 116 Ahmed S, Islam SN, Khan MNI, Ahmed L. Feeding pattern and health status of the infants of the floating mothers: original article. *PHAB Journal* 6(1 &2):6-10, 1999.
- 117 Islam SN, Ahsan M. Drug resistance in shigellosis and efficacy of natural products as anti-shigella agents: review article *PHAB Journal* 6(1 &2):6-10, 1999.
- 118 Islam SN, Rahman SMM, Ahmed A, Huque S, Hasan M. Prevalence of *Helicobacter pylori* infection in peptic ulcer. *Dhaka Univ J Biol Sci* 6(2):155-159, 1997.
- 119 Islam SN, Ahasan M. Biological activities of the secondary metabolites isolated from *Zieria smithii* and *Zanthoxylum elephantiasis* on Microorganism and Brine shrimps. *Phytotherapy Res* 11:64-66, 1997.

- 120 Ahsan M, Islam SN. (-) Episesamin from *Bronia bowmanii*. *Fitoterapia* 68(5): 464-465, 1997. Ahsan M, Chowdhury AKA, Islam SN, Ahmed ZU. Garlic extract and Allicin: A broad spectrum antibacterial agent effective against multiple drug resistant strain of *Shigella dysenteriae* type 1 and *Shigella flexneri*, *enterotoxigenic Escherichia coli* and *Vibrio cholerae*. *Phytherapy Res* 10:329-331,1996.
- 121 Islam SN, Ahsan M. Garlic: A broad spectrum antibacterial agent effective against common pathogenic bacteria. *Fitoterapia* 67 (4): 374-375, 1996.
- 122 Rahman MH, Faroque, Islam SN. Studies on the antibacterial activities of *Achyranthes aspera* stem. *Fitoterapia* 67(4):374-375,1996.
- 123 Islam SN. Stomach Cancer: Production of Human Antibodies and Cell Lines and Characterisation of a tumour-associated antigen. PhD thesis, Department of Immunology, University of Stralhcsyde, Glasgow, UK, 1994
- 124 Islam SN, Ferdous AJ, Ahsan M, Sultana S, Hasan CM. Screening of honey for its antibacterial properties against pathogenic bacteria including resistant strains of *Shigella*. *Fitoterapia*, 64 (2): 176-178, 1993.
- 125 Ferdous AJ, Islam MO, Hasan CM, Islam SN. In vitro antibacterial activity of lanuginosine and oxostephanine. *Fitoterapia*, 63(6):549-550,1992.
- 126 Ferdous AJ, Islam SN, Ahsan M, Hasan CM, Ahmed ZU. In vitro antibacterial activity of the volatile oil of *Nigella sativa* seeds against multiple drug resistant isolates of *Shigella* spp and isolates of *V. cholerae* and *E. coli*. *Phytotherapy Res* 6:137-140, 1992.
- 127 Ferdous AJ, Islam SN. *In vitro* antifungal activity of Clove extracts. *Pakistan J Pharm Sci* 4(1):87-89, 1991.
- 128 Islam SN, Ferdous AJ, Ahsan M, Faroque ABM. Screening of the leaf extract of *Lawsonia alba* against clinically resistant isolates of *Shigella* and *Vibrio cholerae*. *J Bangladesh Acad Sci* 15 (1)77-80, 1991.
- 129 Chowdhury AKA, Ahasan M, Islam SN, Ahmed ZU. Efficacy of aqueous extract of garlic and allicin in experimental Shigellosis in rabbits. *Indian J Med Res* 93: 33-36, 1991.
- 130 Chowdhury AKA, Sarker SD, Islam SN, Khan SE. Antibacterial activity of the aqueous extract and the flavonoids isolated from the flowers and flower buds of *Saraca indica*. *Bangladesh Pharm J* 9(1), 1990.
- 131 Ferdous AJ, Islam SN, Ahsan M, Faroque ABM. Antibacterial activity of the leaves of *Adhatoda vasica*, *Calotropis gigantea*, *Nerium odorum* and *Ocimum sanctum*. *Bangladesh J Bot* 19(2): 227-229, 1990.
- 132 Ferdous AJ, Islam SN, Faroque ABM, Ahsan M. In vitro testing of the leaf extracts of *Lawsonia alba* for antibacterial properties. *Pakistan J Pharm Sci* 3(2):75-79,1990.
- 133 Islam SN, Ferdous AJ, Ahsan M, Faroque ABM. In vitro antibacterial activities of commonly used spices. *Bangladesh J Bot* 19(1): 99-101, 1990.
- 134 Islam SN, Ferdous AJ, Ahsan M, Faroque ABM. Antibacterial activity of clove extracts against pathogenic strains including clinically resistant isolates of *Shigella* and *Vibrio cholerae*. *Pakistan J Pharm Sci* 19(1):1-5,1990.
- 135 Hasan CM, Mondal D, Islam SN, Hossain D, Jabbar A. In vitro antimicrobial and cytotoxic activities of the compounds isolated from the fermentation broth of *Streptomyces barendii*. *Bangladesh J Bot* 19(1):15-20, 1990.
- 136 Ali SMK, Choudhury MMH, Islam SN, Khan MNI, Sehani S. Tamarind as Cholesterol lowering agent. *Chest and Heart Bulletin* 14(2):1-4, 1990.

#### 1989-1987

- 137 Ali SMK, Islam SN, Das TR, Khan NI, Chowdhury MH. Blood glucose lowering effect of *Uchya*, *Momordica carantia* small type in rats. *Bang J Nutr*, 2(1):18-19, 1989.
- 138 Chowdhury AKA, Ahasan M, Islam SN, Ahmed ZU. In vitro antibacterial activity of garlic extract and allicin against multiple drug resistant strains of *Shigella dysenteriae* type 1 and *Shigella flexneri*. *Dhaka University studies*, 4(1): 27-31,1989.
- 139 Islam SN, Ahsan M, Hasan CM, Malek MA. Antifungal activities of the oils of *Nigella sativa* seeds. *Pakistan J Pharm Sc*, 2 (1): 5-28,1989.
- 140 Hasan CM, Ahsan M, Islam SN. *In vitro* antibacterial screening of the oils of *Nigella sativa* seeds. *Bang J Bot*, 18(2): 171-174, 1989.
- 141 Hasan CM, Zaman N, Islam SN. Kuranene and kaurene diterpenes from *Annona reticulata* stem bark. *J Bang Acad Sci*, 13(2):157-160,1989.
- 142 Hasan CM, Ahsan M, Islam SN. Antibacterial activity of Onion (*Allium cepa*) extracts. *Bang J Pathol*, 4(1):16-20,1989.

- 143 Hasan CM, Shamim M, Islam SN, Hossain MD, Jabbar A. Alkaloids, polyphenols and sterols from *Nymphaea rubra* flowers and tubers. *Bang.J.Chem Soc*, 2:177-180,1989.
- 144 Hasan CM, Islam SN, Begum K, Ilias M, Hussain A. Antibacterial activity of *Cassia alata*. *Bang. J. Bot*, 17(2):135-139, 1988.
- 145 Hasan CM, Shahida B, Islam SN, Rahrfan S, Hussain A, Rahman J. A Antibacterial activity of *Eupaterium ayapana*. *Bang.J.Pathol.*, 3(1):9-13, 1988.
- 146 Islam SN, Ahsan M, Faroque ABM, Talukder SA. Studies on the potential acid neutralizing properties of banana. *Bang. J. Nutr.*,2(1):37-40, 1988.
- 147 Hasan CM, Islam SN, Ahsan M. Antimicrobial activity of *Polyalthia longifolia* stem barks. *Dhaka University studies part E* 4(1): 63-66,1988.
- 148 Hasan CM, Islam SN, Ullah MS, Jabbar A. Test of some alkaloids isolated from the stem bark of *Albizia lucida* for antimicrobial activity. *Bangladesh J Microbia* 6(1):43-44,1989.
- 149 Shamim M, Islam SN, Hasan CM, Jabbar A. Antibacterial and cytotoxic activities of the tubers and flowers of *Nymphaea rubra*. *Bangladesh J Microbia* 5(2):35-40,1988.
- 150 Hasan CM, Shahida B, Ilias M, Islam SN. 7-Methoxy coumarin from the leaves of *Eupaterium ayapana*. *Dhaka Univ.Studies partE* 3(2):117-121, 1988.
- 151 Hasan CM, Islam SN, Zaman N. Studies on the antimicrobial activity of *Annona reticulata* stem bark. *Bangladesh J Microbia* 5(1):11-13, 1988.
- 152 Hasan CM, Ilias M, Islam SN. 15-Oxe-Kaur-16-en-5,13 diol from *Polyalthia longifolia* stem bark. *Dhaka Univ. Studies, Part E.* 2 (2), 125-130

#### Abstracts in Conference Proceeding

- 153 Khanam J, Sadi SKS, Islam SN. Therapeutic use of orange fleshed sweet potato in alleviation of experimental stressed induced suppression in animal model. 50 Years Celebration of INGS. Nutrition for Healthy people and a Sustainable Planet. 2019.
- 154 Amin MR, Alam S, Ali M, Akhtaruzzaman M, Khan MN, Islam SN, Saha S. Difference in Level of Physical Activity and Nutrient Intake in Diabetic and Non-diabetic People in Bangladesh. In *Annals Of Nutrition And Metabolism* 2019 Jan 1 (vol. 75, pp. 393-394). Allschwilerstrasse 10, ch-4009 Basel, Switzerland: Karger.
- 155 Serum immunoglobulins concentrations in pre-eclampsia and eclampsia: their influence on disease severity. ICMH NCI V National Conference on 'achieving Millennium Development Dhaka 30-31 March 2007. p120.
- 156 Health and nutritional status of disabled children in Dhaka city. ICMH NCI 1<sup>st</sup> National Conference on 'achieving Millennium Development GOALS 4 AND 5: Where we are and what needs to be done". Institute of Child and Mother Care, Dhaka 30-31 March 2007.p-82.
- 157 Nutrient retention by Solar and conventional cooking processes. ICMH NCI 1<sup>st</sup> National Conference on 'achieving Millennium Development GOALS 4 AND 5: Where we are and what needs to be done". Institute of Child and Mother Care, Dhaka 30-31 March 2007 p-85.
- 158 Anemia prevalence among the adolescent girls of Dhaka city. ICMH NCI 1<sup>st</sup> National Conference on 'achieving Millennium Development GOALS 4 AND 5: Where we are and what needs to be done". Institute of Child and Mother Care, Dhaka 30-31 March 2007p-86.
- 159 Postnatal changes in maternal serum antioxidant vitamins. 2<sup>nd</sup> National Conference on Breastfeeding and Complementary feeding. ICMH, August 19-20, 2006, Dhaka, Bangladesh; p-121.
- 160 Serum zinc level in pre-eclamptic pregnancies. 2<sup>nd</sup> National Conference on Breastfeeding and Complementary feeding. ICMH, August 19-20, 2006, Dhaka, Bangladesh; GOALS 4 AND 5: Where we are and what needs to be done". Institute of Child and Mother Care, p-120.
- 161 Carotene and B-carotene content of Non-leafy green vegetables of Bangladesh. 17<sup>th</sup> ICN 2001, Vienna, Austria, p368 (5.01.102).
- 162 Ascorbic acid, Carotenoids and B-carotene content in different varieties of Chillis (*Capsicum annum*) of Bangladesh. 17<sup>th</sup> ICN 2001, Vienna, Austria, p371 (5.01.113).
- 163 Fat, protein and mineral content in some indigenous big fish of Bangladesh. 17<sup>th</sup> ICN 2001, Vienna, Austria, p504 (6.09.108).
- 164 Effect of breast feeding on child growth and morbidity. 17<sup>th</sup> ICN 2001, Vienna, Austria, p436 (6.05.1.1,02).
- 165 Novel diterpenes from *Scoparia dulcis* and their cytotoxic activities on human cancer cell lines. Regulation of Phytochemicals by Molecular Techniques, August 6-10, 2000, Beltsville, Maryland, USA.
- 166 Tamarind indica as an hypocholesterolemic agent in human. ASOMPS X, 18-23 November, 2000, OP35, 100, Dhaka, Bangladesh.
- 167 Terpenoids from *Lindenbergia indica*. ASOMPS X, 18-23 November, 2000, pp5, 189, Dhaka, Bangladesh.

- 168 Serum vitamin E, C and A status of drug addicts: influence of drug habit, sex practice, BMI and socioeconomic status. 4<sup>th</sup> UNESCO-MCBN/COSTAM/SFRR (Asia/Malaysia) workshop, July 27-30, 2000, Malaysia.
- 169 Proximate nutrient content of green leafy vegetables (GLVs) in Bangladesh. 8<sup>th</sup> Asian Congress of Nutrition, Aug 29-Setp 2, 1999 Seoul, Korea.
- 170 Hypoglycemic property of nutraceuticals in diabetic rat model. 2<sup>nd</sup> Annual scientific conference, BALAS, June 27 2002, Sasakawa Auditorium, ICDDR, B, Dhaka.
- 171 Protein, fat and mineral content in various parts of selected marine fish of Bangladesh. IX<sup>th</sup> Asian Congress of Nutrition, February 23-27, 2003, p86, New Delhi: India.
- 172 Ascorbic acid, carotenoid and mineral content in selected non-leafy vegetables of bangladesh. IX<sup>th</sup> Asian Congress of Nutrition, February 23-27, 2003, p141, New Delhi: India.
- 173 Ascorbic acid, protein and fat content in selected banana varieties of Bangladesh. IX<sup>th</sup> Asian Congress of Nutrition, February 23-27, 2003, p141, New Delhi: India.
- 174 Micromineral (Cu, Zn, Fe) status of the drug addicts: influence of illicit drugs and lifestyle facors. IX<sup>th</sup> Asian Congress of Nutrition, February 23-27, 2003, p260, New Delhi: India.
- 175 Serum antioxidant vitamin E, C and A levels in pre-eclamsia and eclampsia: relation with blood pressure. IX<sup>th</sup> Asian Congress of Nutrition, February 23-27, 2003, p260, New Delhi: India. Islam SN, Khan MNI, Akhtaruzzan M, Huque S, Ahsan M, Shajib MTI, Mondal MAJ, Siddiquee MA, Yusuf HKM, Bhattacharjee L, Barua S. Preparation of food composition database with special reference to indigenous
- 176 ethnic foods. code S6-P-1 Abstract no 80- published in 8<sup>th</sup> IFDC proceeding; Thailand, Bankok: October 1-3, 2009.
- 177 M Akhtaruzzaman· Rahman S, Kawser M, ShamimAA, Siddiquee AA, Roy AK, Yusuf HKM, Bhattacharjee L, Barua S, Islam SN. Carotenoids and selected nutrients content of palmyra palm fruit – a monsoon fruit of rural. Bangladesh. S6-P-2 Abstract no 129- published in 8<sup>th</sup> IFDC proceeding; Thailand, Bankok: October 1-3, 2009.
- 178 Islam SN<sup>a</sup>, Nusrat T, Begum P, Akhtaruzzaman M, Shajib MTI, Ahsan M, Wahed MA, Yusuf HKM, Bhattacharjee L, Barua S. Carotenoids and β-Carotene in Orange Fleshed Sweet Potato: A Possible Solution to Vitamin A Deficiency. S5-P-2 Abstract no 78- published in 8<sup>th</sup> IFDC proceeding; Thailand, Bankok: October 1-3, 2009.
- 179 Islam SN<sup>a</sup>, Chowdhury G, Shajib MTI, Begum P, Wahed MA, Yusuf HKM, Bhattacharjee L, Barua S, Akhtaruzaman M. Micronutrients in different varieties of potatoes. S3-P-5 Abstract no 100- published in 8<sup>th</sup> IFDC proceeding; Thailand, Bankok: October 1-3, 2009.

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