

# CURRICULUM VITAE

## of Yearul Kabir

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Bangladesh

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### **Academic Qualification**

**Ph.D.** in Nutritional Biochemistry in the year 1990 from the Laboratory of Nutrition, Department of Applied Biological Chemistry, Faculty of Agriculture, Tohoku University, Japan.

**M.Sc.** in Biochemistry (Thesis group) in the year 1979 (held in 1983) from the Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka, Bangladesh.

**B.Sc.** (Hons.) in Biochemistry in the year 1978 (held in 1981) from the Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka, Bangladesh.

### **Professional Positions and Experiences**

#### *Teaching Experience*

**Professor (Rtd.)** in the Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka, Bangladesh (December 1997- January 2023).

**Associate Professor** in the Department of Food Science and Nutrition, College of Life Sciences, Kuwait University, Kuwait (September 2004 – June 2009) (On leave from University of Dhaka).

**Associate Professor** in the Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka, Bangladesh (December 1991-December 1997).

**Part-time Teacher** in the Department of Chemistry, Jahangirnagar University, Savar, Dhaka, Bangladesh (January 1991-March 1991).

**Assistant Professor** in the Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka, Bangladesh (April 1990-December 1991).

**Lecturer** in the Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka, Bangladesh (April 1984-March 1990).

#### *Research Experience*

**Visiting Scientist** as a JSPS-Bridge Fellow in the Laboratory of Nutrition, Department of Applied Biological Chemistry, Graduate School of Agricultural Sciences, Tohoku University, Japan. (October 2012–November 2012).

**Visiting Scientist** as a JSPS Fellow in the Laboratory of Nutrition, Department of Applied Biological Chemistry, Graduate School of Agricultural Sciences, Tohoku University, Japan. (December 2003-May 2004).

**Visiting Scientist** in the Department of Physiology and Biochemistry of Nutrition, Federal Research Institute of Nutrition and Food, Karlsruhe, Germany (August 1998-March 1999).

**Monbusho Follow-up Research Fellow** in the Laboratory of Nutrition, Department of Applied Biological Chemistry, Graduate School of Agricultural Sciences, Tohoku University, Japan

(December 1995-March 1996).

**Post-doctoral Fellow** (UNU-Fellowship) in the Nutrition Biochemistry Laboratory, National Food Research Institute, Ministry of Agriculture, Forestry and Fisheries, Tsukuba, Japan (April 1994-April 1995).

**Visiting Scientist** in the National Institute for Environmental Studies, Tsukuba, Japan (April 1993-July 1993).

**Ph.D. Student** in the Laboratory of Nutrition, Department of Applied Biological Chemistry, Faculty of Agriculture, Tohoku University, Japan (April 1987-March 1990).

**Research Student (Fellow)** in the Laboratory of Nutrition, Department of Applied Biological Chemistry, Faculty of Agriculture, Tohoku University, Japan (January 1986-March 1987).

**M.Sc. Research Student** in the Department of Biochemistry and Molecular Biology, University of Dhaka (July 1981-June 1983).

### **Awards/Honors**

- Fellow, The World Academy of Sciences (TWAS), Trieste, Elected in 2023 for outstanding contribution to science and its promotion in the developing world.
- Best Article Award for publishing an article in the special issue of *The Dhaka University Journal of Biological Sciences* to celebrate the centenary of the University, 2022.
- BAS-Dr. M. O. Ghani Memorial Gold Medal Award 2021.
- Dean's Teachers' Research Award of 2015-2016 (Gold Medal) for outstanding research in the Faculty of Biological Sciences.
- Fellow, Bangladesh Academy of Sciences (BAS), 2014.
- Awarded Young Scientist Travel Grant for joining FAOBMB Symposium 1997, Manila, Philippines.
- Awarded Young Scientist Travel Grant for joining IUBMB Conference 1992, Nagoya, Japan.
- Japanese Government (Monbukagakusho) Scholarship for Ph.D. at Tohoku University, 1987-1990.

### ***Experience as a Consultant***

**Consultant** in a Project (# 15060; GR: 01455) entitled "Vitamin B12 supplementation during pregnancy and postpartum of Bangladeshi women: measuring effects on DNA methylation and inflammatory oxidative stress responses among mother-infants under Principal Investigator, Dr. Towfida J. Siddiqua, Nutrition and Clinical Services Division, ICDDR, B.

**Consultant (Nutrition Specialist)** in a Project (Strengthening of Early Warning and Food Information System) under Ministry of Food, Government of Bangladesh (March 2001- February 2002).

#### **Reports submitted to the Ministry of Food during consultancy period:**

1. Nutritional food sufficiency in Bangladesh
2. The status of the nutritional food sufficiency in Bangladesh: A study based on the habitual diet.
3. Food Gap Analysis on the basis of Nutritional Requirement of Different Food Items.

**Co-Team leader** and In-charge of the Technical aspect of a study entitled "Demand assessment study in the food and pharmaceutical sector in Bangladesh" undertaken by CERBET of East West University for SEDF, August 2003.

## **Training/Courses/Workshops**

- 1) Participated in a 2-day workshop on “*Bangladesh dialogue event on enabling equitable research systems*” organized by International Network for the Availability of Scientific Publications (INASP), BRAC Centre Inn, Mohakhali, Dhaka, November 5-6, 2018.
- 2) Participated in a short course on “HIV/AIDS and Food & Nutrition Security” organized by Centre for Development Innovation, Wageningen, Netherlands. September 21 to October 9, 2015.
- 3) Participated in a 6-week Stanford workshop on “*Living a Healthy Life with Chronic Pain*” organized by Toronto Central Self-Management Program, Toronto, Canada, 1<sup>st</sup> November to 6<sup>th</sup> December, 2014.
- 4) Participated in a 2-day workshop on “*Designing Biochemistry Courses*”. Presented by Dr. Susan Margaret Howitt, Dr. Elizabeth Dyer Johnson and Ms. Emma May Yench. Organized by The Bangladesh Society for Biochemistry & Molecular Biology (BSBMB) with funding from the IUBMB and the FAOBMB, December 18-19, 2011.
- 5) Participated in a half-day workshop: *Designing Your Courses for More Significant Learning I*. Presented by Dr. L Dee Fink. Arranged by the Center for Teaching Excellence, Kuwait University, Kuwait. April 29, 2006.
- 6) Participated in a half-day workshop: *Designing Your Courses for More Significant Learning II*. Presented by Dr. L Dee Fink. Arranged by the Center for Teaching Excellence, Kuwait University, Kuwait. April 30, 2006.
- 7) Participated in a half-day workshop: *Motivating the Tired Masses: Practical Strategies for Engaging the Disengaged*. Presented by Prof. James Eison. Arranged by the Center for Teaching Excellence, Kuwait University, Kuwait. April 30, 2006.
- 8) Participated in a half-day workshop: *Promoting Active Learning in the University Classroom I*. Presented by Prof. James Eison. Arranged by the Center for Teaching Excellence, Kuwait University, Kuwait. May 1, 2005
- 9) Participated in a half-day workshop: *Promoting Active Learning in the University Classroom II*. Presented by Prof. James Eison. Arranged by the Center for Teaching Excellence, Kuwait University, Kuwait. May 2, 2005
- 10) Participated in the *Palm Oil Nutrition Awareness Program (PONAP 2003)* organized by Malaysian Palm Oil Promotion Council, Kuala Lumpur, Malaysia, August 20-23, 2003.
- 11) Participated in the International Palm Oil Congress, organized by Malaysian Palm Oil Bureau (MPOB), Putrajaya, Malaysia, August 24-28, 2003.
- 12) Participated in the Global NutrITion 2002 advanced in-service international training programme for Asian academic teachers in the field of Nutrition and Information Technology, Uppsala, Sweden, April 1 to May 3, 2002 and Hanoi, Vietnam October 26 to November 1, 2002.
- 13) Participated in a Symposium on “*Changing Dietary Intake and Food Consumption in Asia and the Pacific*” organized by Asia Productivity Organization (APO) of Japan, Tokyo, Japan, December 13-20, 1994.
- 14) Participated in a 4-day workshop on “*Environmental Mapping for Bangladesh*” organized by German Culture Centre/Goethe-Institute, Dhaka in cooperation with the Department of Environment, Ministry of Environment and Forests, People’s Republic of Bangladesh, 1992.

- 15) Participated in a 4-week course on “Epidemiological Methods in Public Health” conducted by International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR, B), July-August, 1991.
- 16) Participated in a 20-day training course on “Extraction, Purification and Characterization of Lipopolysaccharides” organized by International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR, B) and conducted by Dr. Andrej Weintraub from Karolinska Institute of Sweden, May, 1991.
- 17) Participated in a 5-day training course on “Radioisotope Handling in the Tohoku University, Japan” and obtained Registration certificate, 1988.
- 18) Participated in a 6-week course on “Computer Programming in BASIC” conducted by Centre for Digital Electronics and Computer Science, Department of Applied Physics and Electronics, University of Dhaka, Dhaka, May 1 to July 15, 1985.
- 19) Participated in a 5-day training course on “Biochemical Separation Techniques”, jointly organized by Pharmacia Fine Chemicals Ltd. of Sweden and International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B), September, 1984.

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### **Seminars/Symposiums/Conferences/Congresses**

1. Delivered a Lecture on “Personality traits of drug addicted subjects and association of single nucleotide polymorphisms (SNPs) with drug addiction in the Bangladeshi population” as a Keynote Speaker on a seminar (Academy Lecture) arranged by the Bangladesh Academy of Sciences, Dhaka, March 21, 2023.
2. Presented a paper (Oral). Kamal AB, Aktar T, Kabir T, **Kabir Y**. Association of genetic polymorphisms with drug addiction in Bangladeshi population. 14<sup>th</sup> International Seminar 2023, organized by Bangladesh JSPS Alumni Association in association with Japan Society for the Promotion of Science (JSPS), Bangkok office. Dhaka, Bangladesh. February 25, 2023. Abstract # OP 6, p.41.
3. Delivered a Lecture as a Keynote Speaker on “Genetic polymorphisms and cancer risk in the Bangladeshi population” at BSBMB-SABC-OMC International Conference 2023, organized by Bangladesh Society for Biochemistry and Molecular Biology in association with the Department of Biochemistry and Molecular Biology, University of Dhaka and South Asian University, New Delhi, India, held in Dhaka, Bangladesh. February 03-05, 2023. Abstract # KN-6, p.07.
4. Delivered a Lecture as an Invited Speaker on “Single nucleotide polymorphisms as biomarkers of genetic susceptibility for cancer: Bangladesh perspective” at 5<sup>th</sup> Young Scientist Congress, 2022, organized by Bangladesh Academy of Sciences, November 25-27, 2022. Abstract # IL 22, J. Bangladesh Acad. Sci. (2022); 46 (Suppl 1): p.21.
5. Presented a paper (Oral). Hosen MB, Akhtar S, Hawlader MZH, **Kabir Y**. Dietary exposure of heavy metals, minerals and trace elements from food consumed by Dhaka city people. *1<sup>st</sup> Joint ACS AGFD – ACS ICST Symposium on Agricultural and Food Chemistry*, Bangkok, Thailand. March 4-5, 2014. Abstract # SO-08, p.93.
6. Delivered a Lecture as a Visiting Scientist on “The role of TNF- $\alpha$  and TLR4 polymorphisms in patients with Guillain-Barre Syndrome in Bangladesh” at Graduate School of Agricultural Sciences, Tohoku University, Japan, November 21, 2012.
7. Presented a paper (Oral). **Kabir Y**, Tasleem A. Zafar. Body figure perceptions and preferences among Kuwaiti female university students. *12<sup>th</sup> World Congress on Public Health*, Istanbul,

Turkey. April 27-May 1, 2009. Abstract # 114.05, p.82.

8. Presented a paper (Oral). **Kabir Y**, Saleh F, Obaid W. Dietary pattern, nutritional status, anemia and anemia-related knowledge in urban adolescent college girls in Bangladesh. *Golden Jubilee International Scientific Conference*, Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh, November 29-30, 2008. Abstract # p.9.
9. Presented a poster paper. **Kabir Y**, Karim F, Akhter A, Pervin F, Ali L. Insulin secretion, insulin resistance and body iron stores in type 2 diabetic subjects in Bangladesh. *5<sup>th</sup> Annual World Congress on the Insulin Resistance Syndrome*, Boston, MA, USA. October 11-13, 2007. Abstract published in *DiabVasc Dis Res* 4(3), 2007, p.246.
10. Presented a poster paper. **Kabir Y**, Khan TA, Howlader MZH. Lipid peroxidation and antioxidant status in preeclamptic and uncomplicated pregnancies. *FASEB 2006 Conference*, San Francisco, CA, USA, April 1-5, 2006. Abstract published in *FASEB J* 20(5), LB85, 2006.
11. Delivered a Lecture on “Food gap analysis on the basis of nutritional requirement of different food items” as a Keynote Speaker at a workshop arranged by the Ministry of Food, People’s Republic of Bangladesh, Dhaka, March 29, 2002.
12. Delivered a Plenary Lecture on “Food gaps in Bangladesh and its possible solutions”. *8<sup>th</sup> Bangladesh Nutrition Conference* organized by the Nutrition Society of Bangladesh, Dhaka, March 23-25, 2002.
13. Delivered a Lecture on “Methods of research on food consumption and nutritional status assessment” at a training program on “Data collection, monitoring and reporting system” arranged by the Ministry of Food, People’s Republic of Bangladesh, Dhaka, April 8, 2001.
14. Delivered a Lecture on “Health and Nutrition Status of Adolescent Girls in Bangladesh” as a Keynote Speaker on a seminar arranged by the Asiatic Society of Bangladesh, Dhaka, July 29, 2000.
15. Presented a poster paper. **Kabir Y**, Ali H. Poor mineral status of working adolescent girls in Dhaka City. *5<sup>th</sup> ISTERH International Conference*, Lyon, France, September 26-30, 1998. Abstract published in *J Trace Element Expt Med* 11(4), 1998, p.395.
16. Presented a poster paper. **Kabir Y**, Takashi I. Effects of dietary linoleic acid and  $\alpha$ -linolenic acid on the enzymes of fatty acid oxidation and synthesis in rat liver. *25<sup>th</sup> Anniversary FAOBMB Symposium*, Manila, Philippines, December 2-5, 1997. Abstract published in *Bull Phil SocBiochemMolBiol* 16, 1997, p.79.
17. Delivered a Lecture as a Visiting Scientist on “Proteases from the larvae of *CallosobruchusChinensis*” at Tohoku University, Japan, June 14, 1992.
18. Presented a poster paper. Sarker S, **Kabir Y**. Antibacterial activity in the haemolymph of *Calliphoraerythrocephala* larvae. *First IUBMB Conference on Biochemistry of Diseases*, Nagoya, Japan, June 1-6, 1992. Abstract # 4-a-08-P4, p.359.
19. Presented a paper (Oral). **Kabir Y**, Kimura S. Biochemical effect of octacosanol on voluntary exercise in rats. *5<sup>th</sup> Bangladesh Nutrition Conference*, Dhaka, Bangladesh, August 10-12, 1991. Abstract p.46.
20. Presented a paper (Oral). **Kabir Y**, Okazaki S, Kimura S. Biodistribution of octacosanol and its physiological effect on exercise. *14<sup>th</sup> International Congress of Nutrition*, Seoul, Korea, August 20-25, 1989. Abstract # F6-2.
21. Presented a paper (Oral). **Kabir Y**, Kimura S, Takahashi T, Sakamoto T, Tamura T, Matsuda

S. (1987). Physiological effect of a fermented grain product derived from *Ganoderma lucidum* SHR. *Proceedings of the 5<sup>th</sup> Asian Congress of Nutrition*, Osaka, Japan, October 26-29, 1987. Abstract published in Special Suppl. J Nutr Sci Vitaminol, p.496.

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***Conference Presentation in which I was not the presenter***

1. Ahmed N, Islam MA, Hossain MM, **Kabir Y**. Association of XRCC1 Arg194Trp polymorphism and XPD Lys751Gln polymorphism with biochemical parameters, severity and risk of prostate cancer in Bangladesh. *Annual meeting 2023, American Association for Cancer Research*, April 04, 2023. Abstract 3046 (Poster). *Cancer Res.* (2023); 83(7) (Suppl 1): 3046. <https://doi.org/10.1158/1538-7445.AM2023-3046>.
2. Islam MMT, Saif K, Islam LN, **Kabir Y**. Total homocysteine in Bangladeshi patients with myocardial infarction strongly correlates with neutrophil-lymphocyte ratio. BSBMB-SABC-OMC International Conference 2023, organized by Bangladesh Society for Biochemistry and Molecular Biology in association with the Department of Biochemistry and Molecular Biology, University of Dhaka and South Asian University, New Delhi, India, held in Dhaka, Bangladesh. February 03-05, 2023. Abstract # OP-113, p.25-26.
3. Kamal AI, Kabir T, Sonia JA, Rahman MM, **Kabir Y**. Association of Brain Derived Neurotrophic Factor (BDNF) Val66Met and Dopamine Receptor D2 (DRD2) Taq1A polymorphism with drug addiction in Bangladesh and age of addiction. BSBMB-SABC-OMC International Conference 2023, organized by Bangladesh Society for Biochemistry and Molecular Biology in association with the Department of Biochemistry and Molecular Biology, University of Dhaka and South Asian University, New Delhi, India, held in Dhaka, Bangladesh. February 03-05, 2023. Abstract # OP-20, p.29.
4. Juthi RT, Naznin B, Rahman MM, Akther L, Nahid NA, **Kabir Y**. Association between XRCC1 polymorphisms and the risk of breast cancer in Bangladeshi population. BSBMB-SABC-OMC International Conference 2023, organized by Bangladesh Society for Biochemistry and Molecular Biology in association with the Department of Biochemistry and Molecular Biology, University of Dhaka and South Asian University, New Delhi, India, held in Dhaka, Bangladesh. February 03-05, 2023. Abstract # P-NPH-38, p.100.
5. Mubashshira S, Rubaiat-E-Tabassum, Islam MMT, **Kabir Y**. Polymorphism of XRCC1 and MIF gene and relative telomere length as a biomarker for the risk of bladder cancer in Bangladeshi population. 5<sup>th</sup> Young Scientist Congress, 2022, organized by Bangladesh Academy of Sciences, November 25-27, 2022. Abstract # OP 38 (Oral), *J. Bangladesh Acad. Sci.* (2022); 46 (Suppl 1): p.46.
6. Islam MA, **Kabir Y**. Investigation of molecular biomarker landscape for papillary thyroid carcinoma in Bangladeshi population using cancer hotspot panel sequencing data. 5<sup>th</sup> Young Scientist Congress, 2022, organized by Bangladesh Academy of Sciences, November 25-27, 2022. Abstract # OP 70 (Oral), *J. Bangladesh Acad. Sci.* (2022); 46 (Suppl 1): p.65.
7. Tabaassum L, Mondal MSA, Islam MA, Islam MMT, **Kabir Y**. Association of XRCC1-194 and XRCC1-399 genetic polymorphisms in the susceptibility to acute Myeloid Leukemia in the Bangladeshi population. 5<sup>th</sup> Young Scientist Congress, 2022, organized by Bangladesh Academy of Sciences, November 25-27, 2022. Abstract # PP 142 (Poster), *J. Bangladesh Acad. Sci.* (2022); 46 (Suppl 1): p.155.
8. Kamal AI, Akter T, **Kabir Y**. Association of GRIN1 and HTR1B polymorphisms with drug addiction in Bangladeshi population. 5<sup>th</sup> Young Scientist Congress, 2022, organized by

- Bangladesh Academy of Sciences, November 25-27, 2022. Abstract # PP 142 (Poster), J. Bangladesh Acad. Sci. (2022); 46 (Suppl 1): p.158.
9. Chakrabarty B, Saha P, **Kabir Y**. The Correlation Between Smoking Induced Genes and Severity of Prostate Cancer: A Bioinformatics Based Study. *International Poster Presentation Competition (IPPC) 2020*, organized by National Young Academy of Bangladesh (NYAB), India National Young Academy of Sciences (INYAS), Sri Lankan Academy of Young Scientists (SLAYS) and Thai Young Scientists Academy (TYSA), September-October 2020.
  10. Naznin B, **Kabir Y**. Polymorphism of XPC and MTHFR gene in the development of bladder Cancer in Bangladesh: A case control study. *Scientific Conference on preventive oncology, 2020*. Organized by Cancer Awareness Foundation Bangladesh, February 7, 2020, Dhaka Bangladesh. Oral presentation.
  11. Evana A, Sarkae P, Haq A, Krohn R, **Kabir Y**, Vandenberg A, Smits J, Raquib R. Effect of dietary supplementation on cellular and humoral immunity in arsenic exposed population. *15<sup>th</sup> Asian Conference on Diarrhoeal Disease and Nutrition (ASCODD)*, January 28-30, 2020, Dhaka, Bangladesh. Poster presentation, Abstract # PP-048.
  12. Bhowmik A, Begum R, **Kabir Y**. Risk assessment of K<sup>+</sup> Channel Kir6.2 (Bir) Gene in type 2 diabetes as aspect of Bangladesh. *22<sup>nd</sup> Diabetes & Endocrine Conference*, Dhaka, Bangladesh. December 08-10, 2016. Oral Presentation. Abstract published in *DiabEndoc J* 2016; 44 (Suppl 1), 13-14.
  13. Akter J, Kabir T, Islam MMT, **Kabir Y**. Association of catechol-O-methyltransferase Val158Met and dopamine receptor D4 120 bp VNTR polymorphism as a biomarker to the risk of substance abuse in Bangladesh. *4<sup>th</sup> Young Scientist Congress*, Dhaka, Bangladesh, December 13-15, 2019. Abstract # OP-48, p-75.
  14. Luna MA, Naznin B, **Kabir Y**. Role of genetic polymorphism of rs710521 located near Tp63 on chromosome 3Q28 and TP73 exon2 G4C14 to A4T14 as a biomarker for the risk of bladder cancer in Bangladeshi population. *4<sup>th</sup> Young Scientist Congress*, Dhaka, Bangladesh, December 13-15, 2019. Abstract # OP-102, p-109.
  15. Hasan I, Sayed S, Rahat R, Hasib M, Das A, Azam ASMS, **Kabir Y**, Nabi AHMN. Genetic analysis of CDKN2A rs3731249 and ARID5B rs10821936 variants in Bangladeshi patients with bladder cancer. *4<sup>th</sup> IPFS-ICBHA 2019: Innovations in Plant and Food Sciences (IPFS) & International Conference on Biotechnology in Health and Agriculture (ICBHA)*, Dhaka, Bangladesh, November 11-13, 2019. Abstract # P-049, p.117.
  16. Hasib M, Sayem M, Rimon RA, Kamruzzaman M, **Kabir Y**, Howlader MZH, Nabi AHMN. Analysis of mutational hotspots within all exonic regions of nucleophosmin I in Bangladeshi patients with lung cancer, bladder cancer and acute lymphoblastic leukemia. *Bangladesh Society for Biochemistry and Molecular Biology Conference 2019*, Chittagong, Bangladesh, April 27-28, 2019. Abstract # SBPP-14,p.50.
  17. Rahman MM, Nawfal T, Khabir FA, Nabil IK, Islam GMD Hosen MB, **Kabir Y**, HowladerMZH. Impact of vitamin D level, vitamin D binding protein (VDBP) and vitamin D receptor (VDR) gene polymorphism on the risk of developing preeclampsia during pregnancy: a case-control study. *Bangladesh Society for Biochemistry and Molecular Biology Conference 2019*, Chittagong, Bangladesh, April 27-28, 2019. Abstract # SDOP-11,p.75.
  18. Hasan I, Sayed S, Rahat R, Hasib M, Das A, Azam ASMS, **Kabir Y**, Nabi AHMN. Frequency of occurrence and association of CDKN2A gene G>A and ARID5B gene C>T variants with

- bladder cancer in Bangladeshi population. *Bangladesh Society for Biochemistry and Molecular Biology Conference 2019*, Chittagong, Bangladesh, April 27-28, 2019. Abstract # SDPP-18,p.78.
19. Nairuz T, Bushra MU, Rahman MM, **Kabir Y**. Association of GSTM1 and GSTT1 gene polymorphisms with lung cancer susceptibility in Bangladeshi population. *Bangladesh Society for Biochemistry and Molecular Biology Conference 2019*, Chittagong, Bangladesh, April 27-28, 2019. Abstract # SEPP-9,p.83.
  20. Hosen MB, Rahman. MM, Islam MK, J Khanam, **Kabir Y**, Howlader MZH. Assessment of ACE and GST (M1 & T1) genes polymorphisms in preeclampsia patients in Bangladesh. *24<sup>th</sup> IUBMB Congress & 15<sup>th</sup> FAOBMB Congress*, Seoul, South Korea. June 04-08, 2018. International Union of Biochemistry and Molecular Biology & Federation of Asian and Oceanian Biochemists and Molecular Biologists. Abstract # P08-007, p.518.
  21. Nesa A, Akther L, Munir SF, Rahman MM, **Kabir Y**. Association of genetic polymorphism of NAT2, GSTT1, GSTM1 gene with prostate cancer in Bangladeshi population. *American Society for Biochemistry and Molecular Biology (ASBMB) Annual Meeting*, 2018, San Diego, California, USA. April 21-25, 2018. American Society for Biochemistry and Molecular Biology. Abstract # B477 811.5, p.120.
  22. Akther L, Rahman MM, Bhuiyan MES, Hosen MB, Nesa A, **Kabir Y**. Role of GSTT1 and GSTM1 gene polymorphism for development of preeclampsia in Bangladeshi women. *American Society for Biochemistry and Molecular Biology (ASBMB) Annual Meeting*, 2018, San Diego, California, USA. April 21-25, 2018. American Society for Biochemistry and Molecular Biology. Abstract # B445 538.6, p.83. *FASEB J.* 32(S1);538.6-538.6:2018. *Experimental Biology 2018 Meeting Abstracts*. [https://doi.org/10.1096/fasebj.2018.32.1\\_supplement.538.6](https://doi.org/10.1096/fasebj.2018.32.1_supplement.538.6)
  23. Rahman MM, Hosen MB, Howlader MZH, **Kabir Y**. Lead molecule prediction and characterization for designing MERS-Cov 3C like protease inhibitors: an *in silico* approach. *The 10th Asian Federation of Biotechnology (AFOB) Regional Symposium*, Dhaka, Bangladesh. January 27-29, 2018. Abstract #124, p.76.
  24. Islam MA, Nairuz T, **Kabir Y**. Association of XPD Lys751Gln polymorphism, antioxidant level, oxidative stress response and clinical parameters of blood with urinary bladder cancer risk in Bangladeshi population. *The 10th Asian Federation of Biotechnology (AFOB) Regional Symposium*, Dhaka, Bangladesh. January 27-29, 2018. Abstract #134, p.81.
  25. Bhowmik A, Begum R, **Kabir Y**. Association of single nucleotide polymorphism of KCNJ11 (E23K) gene with susceptibility to type 2 diabetes in Bangladeshi population. *23<sup>rd</sup> International Diabetes Federation (IDF) Congress 2017*, Abu Dhabi, United Arab Emirate (UAE). December 4-8, 2017. Abstract # AD-1172.
  26. Alam MJ, Khanam A, **Kabir Y**, Bergman P, Hossain MI, Raqib R, Ahmad SM. The effect of maternal nutritional status on breast milk immune-regulators during early postpartum period of Bangladeshi mothers. *14<sup>th</sup> Asian Conference on Diarrhoeal Disease & Nutrition (ASCODD)*, Kochi, India. October 30-November 1, 2017. Poster # NT-P2, p. 73.
  27. Hosen MB, Rahman MM, Alauddin M, Siddiquee MA, Howlader MZH, **Kabir Y**. Rice bran oil: health and industrial aspects of Bangladesh. *The 4th International Conference on Rice Bran Oil 2017 (ICRBO 2017)*, Thailand. August 24-25, 2017. Poster # INV2-1, p.10.
  28. Hosen MB, Hasan MM, Hossain D, Rahman MM, **Kabir Y**, Howlader MZH. ACE, NOS3 and GST (M1 & T1) genes polymorphisms and the risk of myocardial infarction in Bangladesh.



19th IUPAB Congress and 11th EBSA Congress, Edinburgh, United Kingdom. July 16-20, 2017. Poster # P-994. Abstract published in EurBiophys J (2017) 46 (Suppl 1): S376.

29. Tasdika TE, Hasan MM, Choudhury N, Hossain QMI, **Kabir Y**. Genetic polymorphisms of glutathione-s-transferase (GSTM1 and GSTT1) genes with risk of diabetic retinopathy in Bangladeshi population. 22<sup>nd</sup> Diabetes & Endocrine Conference, Dhaka, Bangladesh. December 08-10, 2016. Oral Presentation. Abstract published in DiabEndoc J 2016; 44 (Suppl 1), 13-14.
30. Rahman A, Yeasmin M, Hosen MB, **Kabir Y**. Isolation, identification and characterization of hexavalent chromium resistant and reducing bacteria from tannery effluent of Hazaribagh, Dhaka. *National Conference on Biochemistry and Molecular Biology for Life Sciences*. Organized by Bangladesh Society for Biochemistry and Molecular Biology in collaboration with Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka, Bangladesh, December 10, 2016. Poster # PE-07,p.42.
31. Haque F, Hasan MM, Hosen MB, **Kabir Y**. Polymorphism of *GSTM1* and *GSTT1* genes and susceptibility to bladder cancer in Bangladeshi population. *National Conference on Biochemistry and Molecular Biology for Life Sciences*. Organized by Bangladesh Society for Biochemistry and Molecular Biology in collaboration with Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka, Bangladesh, December 10, 2016. Oral # OH-05,pp.54-55.
32. Akter A, Hasan MM, Hosen MB, **Kabir Y**. Association of *XRCC1* and *XRCC3* gene polymorphism with susceptibility of bladder cancer in Bangladeshi population. *National Conference on Biochemistry and Molecular Biology for Life Sciences*. Organized by Bangladesh Society for Biochemistry and Molecular Biology in collaboration with Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka, Bangladesh, December 10, 2016. Poster # PH-06,p.65.
33. Zohra MF, **Kabir Y**, Howlader MZH. Association between vitamin D status and risk of metabolic syndrome among Bangladeshi women. *National Conference on Biochemistry and Molecular Biology for Life Sciences*. Organized by Bangladesh Society for Biochemistry and Molecular Biology in collaboration with Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka, Bangladesh, December 10, 2016. Oral # ON-04,pp.97-98.
34. Hosen B, Hasan M, Hossain D, Akter A, Uddin M, **Kabir Y**, Howlader MZH. Effects of ACE gene polymorphism and kidney malfunction in the occurrence of myocardial infarction in Bangladeshi population. IUBMB/IUPAB/IUPS Joint Advanced Lecture Course on “Molecular Basis of Human Diseases”. Spetses Island, Greece, May 23-27, 2016. Poster Presentation, Poster # 8.
35. Akhter A, Faruk MO, Hosen MB, **Kabir Y**, Howlader MZH. Oxidative stress and related health hazards in tannery workers. 2<sup>nd</sup> International South Asian Biotechnology Conference 2016, Dhaka, Bangladesh. February 05-06, 2016. Abstract # P-E180, p.171.
36. Afrin M, Hasan MM, Hosen MB, Howlader MZH, **Kabir Y**. Oxidative stress, DNA damage and *XRCC1* gene polymorphism in welders in Dhaka city of Bangladesh. 2<sup>nd</sup> International South Asian Biotechnology Conference 2016, Dhaka, Bangladesh. February 05-06, 2016. Abstract # P-H007, p. 183.
37. Hosen MB, Abdullah ATM, Howlader MZH, **Kabir Y**. Dietary exposure of mineral and trace elements through cereals commonly consumed by Dhaka city residents. 2<sup>nd</sup> International South Asian Biotechnology Conference 2016, Dhaka, Bangladesh. February 05-06, 2016. Abstract #

P-H025, p.190.

38. Ahmad SM, Hossain MI, Bergman P, **Kabir Y**, Raqib R. The effect of postpartum vitamin A supplementation on breast milk immune regulators and infant immune functions. Keystone Symposium on Molecular and Cellular Biology - Human Nutrition, Environment and Health (T1), Beijing, China. October 14-18, 2015. Poster # 1010.
39. Taniya AJ, **Kabir Y**, Hoque MM. Occurrence of emerging food borne pathogens in fast foods sold in Dhaka city and to explore possibility of controlling the pathogens by essential oils. International Conference 2015 and 29<sup>th</sup> AGM of Bangladesh Society of Microbiologists, Dhaka, Bangladesh. December 26-28, 2015. Oral Presentation Abstract # 170, p.94.
40. Taniya AJ, **Kabir Y**, Hoque MM. Inactivation of food laden *Bacillus cereus*, *Staphylococcus aureus*, and *Escherichia coli* inoculated ground chicken meat with cinnamaldehyde from cinnamon (*Cinnamomum* spp.). International Conference 2015 and 29<sup>th</sup> AGM of Bangladesh Society of Microbiologists, Dhaka, Bangladesh. December 26-28, 2015. Oral Presentation Abstract # 173, p.95.
41. Moli MA, Hasan MM, Hosen MB, Howlader MZH, **Kabir Y**. Association of TNF- $\alpha$  gene polymorphism with lipid profile and type 2 diabetes in Bangladeshi population. 21<sup>st</sup> Diabetes and Endocrine Conference, Dhaka, Bangladesh. December 17-19, 2015. Oral Presentation. Abstract published in DiabEndoc J 2015; 43 (Suppl 1), 21-22.
42. Siddiquee MA, Shozib HB, Jahan S, **Kabir Y**. BRRI dhan31 generate elevated level of bioactive component,  $\gamma$  aminobutyric acid (GABA) at pregerminated brown rice condition. International Symposium on Biodiversity, Agriculture, Environment and Forestry, Ooty, Tamil Nadu, India. December 11-12, 2015. Organized by Association for the Advancement of Biodiversity Sciences. Poster Presentation.
43. Rahman MM, Hosen MB, Hasan MM, **Kabir Y**, Howlader MZH. Association of vitamin D and vitamin D binding protein gene polymorphism with type 2 diabetes mellitus in Bangladesh. 14<sup>th</sup> FAOBMB Congress and 84<sup>th</sup> Annual Meeting of SBC (I), Young Scientist Programme, Hyderabad, India. November 24-26, 2015. Oral Presentation Abstract #YSP6.
44. Bhowmik A, Mossihuzzaman M, **Kabir Y**, Khan AKA, Rokeya B. Mechanism of antihyperglycemic activity of *Swertiachirata* extract on NSTZ-T2DM rats. 20<sup>th</sup> IUPAC Conference on Chemical Research Applied to World Needs, Dhaka, Bangladesh. November 6-9, 2015. Oral Presentation Abstract # 8, p.54-55.
45. Hosen MB, Abdullah ATM, Howlader MZH, **Kabir Y**. Dietary exposure of heavy metals, minerals and trace elements through fruits consumed by urban population. 12<sup>th</sup> European Nutrition Conference, Berlin, Germany October 20-23, 2015. Poster # 149/225. Organized by Federation of European Nutrition Societies (FENS). Abstract published in Ann NutrMetab 2015; 67 (suppl 1), 490-491. Poster was awarded as **Second Best Poster Presentation Award**.
46. Jahan I, Ahammad RU, Farzana KS, Khalid MM, Sarker SK, Islam B, **Kabir Y**, Islam Z. The role of TNF- $\alpha$  genetic polymorphism in patients with Guillain-Barre syndrome in Bangladesh. Peripheral Nerve Society Meeting, Quebec City, Quebec, Canada. June 27- July 2, 2015. Organized by Peripheral Neuropathy Association. Oral Presentations Session 4, Abstract # 15, p.35.
47. Hasan MM, Rahman MM, Hosen MB, Howlader MZH, **Kabir Y**. Association of ATP binding cassette transporter 1 gene polymorphism with the development of type 2 diabetes mellitus in Bangladesh. National Conference on Biochemistry, Industry and Sustainable Economy, Bangladesh Society for Biochemistry and Molecular Biology, Dhaka, Bangladesh, March 21,

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48. Rahman MM, Hasan MM, Hosen MB, **Kabir Y**, Howlader MZH. Association of vitamin D binding protein gene polymorphism with the susceptibility of type 2 diabetes mellitus in Bangladesh. *National Conference on Biochemistry, Industry and Sustainable Economy*, Bangladesh Society for Biochemistry and Molecular Biology, Dhaka, Bangladesh, March 21, 2015. Abstract # Poster-11,p.88-90.
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  50. Siddiquee MA, Shozib HB, Jhan S, **Kabir Y**. Pre-Germinated brown rice generates elevated level of bio-active component, gamma-aminobutyric acid (GABA). *National Conference on Biochemistry, Industry and Sustainable Economy*, Bangladesh Society for Biochemistry and Molecular Biology, Dhaka, Bangladesh, March 21, 2015. Abstract # Oral-05,p.29-31.
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  52. Hosen MB, Salam MA, Islam MF, Howlader MZH, Hossain A, **Kabir Y**. Association of p53 Gene Polymorphisms with Susceptibility of Bladder Cancer in Bangladeshi Population. *5<sup>th</sup> Regional Public Health Conference*, Bangladesh University of Health Sciences, Dhaka, Bangladesh, December 17-18, 2014. Abstract # Oral, p.35.
  53. Siddiquee MA, Shozib HB, Hosen S, **Kabir Y**. Comparative study on phytic acid content of traditional and HYV rice in Bangladesh. *6<sup>th</sup> International Botanical Conference*, Bangladesh Botanical Society, Bangladesh,Dhaka, Bangladesh, December 6-7, 2014. Abstract # 2,p.61.
  54. Sultana H, Uddin MS, Azmi IJ, Das SK, Faruque ASG, **Kabir Y**,Talukder KA. Comparison between conventional culture and PCR based method for isolation and identification of Salmonella. *8th International Conference on Typhoid Fever and Other Invasive Salmonellosis*. Dhaka, Bangladesh, March 1-2, 2013. Abstract # 96, p.30.
  55. Rabbani MAG, Howlader ZH, **Kabir Y**. Emergence of broad-spectrum antibiotic resistance in environmental microflora due to indiscriminate disposal of untreated hospital waste. *Bangladesh Society for Biochemistry and Molecular Biology 2013 Conference*, Chittagong, Bangladesh, January 12-13, 2013. Abstract # SEP-9,p.112.
  56. Islam J, Islam MF, Rahman H, Uddin N, **Kabir Y**. NAT2 gene polymorphism, DNA damage and lipid peroxidation in bladder cancer patients. *Bangladesh Society for Biochemistry and Molecular Biology 2012 Conference*, Rajshahi, Bangladesh, February 25-26, 2012. Abstract # O-S1-07, p.35.
  57. Farzana T, Khan I, Akhter A, Faruque MO, Hassan Z, **Kabir Y**, Ali L. N-Acetyl transferase2 (NAT2) genetic polymorphism in different ethnic population of Bangladesh. *Bangladesh Society for Biochemistry and Molecular Biology 2012 Conference*, Rajshahi, Bangladesh, February 25-26, 2012. Abstract # P-S1-19, p-66.
  58. Rabbani MAG, **Kabir Y**. Multidrug resistant bacteria in the hospital sewage water of Dhaka city, Bangladesh. *Bangladesh Society for Biochemistry and Molecular Biology 2012*

Conference, Rajshahi, Bangladesh, February 25-26, 2012. Abstract # P-S3-62, p-88.

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60. Mohiuddin M, Rokeya B, Al-Shoeb MA, **Kabir Y**. Amount of sodium benzoate in non-alcoholic carbonated beverages: its effect on liver and kidney function and DNA damage in rats. *Seminar on Organic Pollutants in Food, Agricultural Products and Environment*. Organized by Organic Pollutant Research Group. Department of Chemistry, University of Dhaka, Dhaka, Bangladesh, January 17-18, 2012. Abstract # P 28, p.27.
61. Hoque S, **Kabir Y**, Rokeya B. Rice bran oil improves lipidemic status in a hypercholesterolemic rat model. *3<sup>rd</sup> Scientific Seminar of Bangladesh Pharmacological Society*, Dhaka, Bangladesh, March 18, 2011. Abstract p.17.
62. Dutta AK, Siddiquee MA, **Kabir Y**. Antioxidant activity of popular varieties of tea available in Bangladesh. *6<sup>th</sup> AGM and Symposium of Graduate Biochemists Association* on the "Role of Biochemists in Health and Environment". May 21, 2010.
63. Khaleque MA, Arif M, Chakraborty S, Waise Z, Hassan F, Kabir F, Faisal M, **Kabir Y**, Rahman S (2009). Lead dose-dependently induces memory impairment, DNA damage and lipid peroxidation in rat. *32<sup>nd</sup> Annual Meeting of the Japan Neuroscience Society*. Nagoya, Japan, September 16-18. Abstract # P1-i02. Abstract published in: *Neurosci Res* 65 (suppl 1), S110.
64. Tasleem A. Zafar, **Kabir Y**. Effects of high glycemic foods on blood glucose response, appetite and food intake in young Kuwaiti females. *FASEB 2009 Conference*, New Orleans, Louisiana, USA, April 18-22, 2009. Abstract published in: *FASEB J* 23, 2009, 544.3.
65. **Kabir Y**, Al-Dawoud J, Yousef A, Ishaq F, Al-Nukhailan D. Fast food consumption among Kuwait university students: Association with sociodemographic and behavioral variables. *19<sup>th</sup> International Congress of Nutrition*, Bangkok, Thailand, October 4-9, 2009. Poster # P69-17. Organized by International Union of Nutritional Sciences (IUNS). Abstract published in: *Ann Nutr Metb* 2009; 55 (suppl 1): 398-398.
66. Rahman T, Rashid HU, Mahtab H, **Kabir Y**. Epidemiological and histopathological study of malnutrition related diabetes mellitus in Bangladeshi subjects. *7<sup>th</sup> International Diabetes Federation Western Pacific Region Congress*, Wellington, New Zealand. March 31 – April 4, 2008. Abstract # P-140. Abstract published in: *Diabet Res Clin Practice* 79 (suppl 1), 2008, S106.
67. Arif M, **Kabir Y**, Yamada M, Kato T. Mammalian suppresses the changes in the levels of glial cells, neuropeptides and their metabolizing enzymes in A $\beta$ -induced AD model rat brain regions. *8<sup>th</sup> Biennial Meeting of the Asia-Pacific Society for Neurochemistry (APSN)*, Shanghai, PR China. June 23-26, 2008. Poster # P-09. Abstract published in *J Neurochem* 106 (Suppl. 1), 2008, pp.11-12.
68. **Kabir Y**, Shirakawa H, Komai M. Effect of black cumin supplemented diet on blood pressure and plasma lipids profile in stroke-prone spontaneously hypertensive rat (SHRSP). *FASEB 2007 Conference*, Washington, DC, USA, April 18–May 22, 2007. Abstract published in *FASEB J* 21(5), 2007, A343.

69. Mohammad A, Islam Z, Dutta DK, Khajanchi BK, Ashraf H, Faruque ASG, **Kabir Y**, Nair GB, Sack DA, Talukder KA. Phenotypic and genotypic characterization of campylobacter strains isolated in Bangladesh. *8<sup>th</sup> Commonwealth Congress on Diarrhoea and Malnutrition* organized by Commonwealth Association of Paediatric Gastroenterology and Nutrition, Dhaka, Bangladesh, February 6-8, 2006. Abstract # 025 (140), p.34.
70. Rahman T, Rashid H, Mahtab H, **Kabir Y**. Aetiopathology of Malnutrition Related Diabetes Mellitus (MRDM) in Bangladeshi Subjects. *IX Congress of Asia Pacific Association of Societies of Pathologists (APASP)*, Nepal, November 24-26, 2005. Abstract p.72.
71. Rabbani GH, Moyenul M, **Kabir Y**. Changes in plasma ceruloplasmin activity in an animal model of Shigellosis. *7<sup>th</sup> ASCON Conference*, 1998. February 14-15, Dhaka, Bangladesh. Abstract published in *J Diarrhoeal Dis Res* 16(2), 1998, p.125.
72. Ahmed F, Hasan N, **Kabir Y**. Prevalence of vitamin A deficiency among adolescent female garment factory workers in Bangladesh. *XVIII International Vitamin A Consultative Group (IVACG) Meeting*. Sustainable Control of Vitamin A Deficiency, Cairo, Egypt, September 22-26, 1997.
73. Takashi I, **Kabir Y**. The activity of hepatic fatty acid oxidation enzymes in rats fed  $\omega$ -linolenic acid. *37<sup>th</sup> International Conference on the Biochemistry of lipids*, Antwerp, Belgium, September 4-7, 1996. Abstract # P 312, p.102.

#### **Ph.D. Students' Thesis Supervised**

1. Sadia Isfar Ara Rahman. Genomewide analysis of *Salmonella* Typhi and Paratyphi A, B circulating in Bangladesh to understand the population structure, transmission pattern, and evolutionary dynamics using whole genome sequencing. Degree awarded from University of Dhaka on July, 2022.
2. Evana Akhtar. Impact of introducing high-selenium lentils on everyday diet for mitigating arsenic related health problems in Bangladesh. Degree awarded from University of Dhaka on October, 2021.
3. Roksana Yeasmin. BIRDEM Hospital, Dhaka. Association of TNF- $\alpha$ , IL-6 and IL-10 gene polymorphism with type 2 diabetes mellitus in relation to insulin action and secretion. Degree awarded from University of Dhaka on August, 2021.
4. Ayatun Nesa. BIRDEM Hospital. Association of NAT2, GSTT1 & GSTM1 gene polymorphisms and influence of oxidative stress on prostate cancer risk in Bangladeshi population. Degree awarded from University of Dhaka on December, 2020.
5. Amrita Bhowmik. BUHS, Mirpur. Association of genetic variation in TCF7L2, SLC22A1 and KCNJ11 genes with risk for type 2 diabetes in Bangladeshi population. Degree awarded from University of Dhaka on December, 2020.
6. Tasnim Farzana, Bangladesh Council for Scientific & Industrial Research (BCSIR), Dhaka. N-acetyl transferase-2 (NAT-2) genetic polymorphism in different ethnic population of Bangladesh. Degree awarded from University of Dhaka on December, 2011.
7. Muhammad Ali Siddiquee. Bangladesh Rice Research Institute (BRR), Gazipur, Dhaka. Nutritional properties of some traditional and high yielding varieties (HYV) of rice in Bangladesh. Degree awarded from University of Dhaka on August, 2010.
8. Md. Sabir Hossain. Jahangirnagar University, Savar, Dhaka. Studies on the molecular basis

of Shiga Toxin 1 induced mammalian cell death. Degree awarded from University of Dhaka on September, 2008.

9. Md. Tahminur Rahman. Ibrahim Medical College, BIRDEM, Dhaka. Aetiopathology of malnutrition related diabetes mellitus (MRDM) in Bangladesh. Degree awarded from University of Dhaka on September, 2008.

#### **MD Students' Thesis Supervised**

1. Dr. Narwana Khaleque. Department of Hepatology, Bangabandhu Sheikh Mujib Medical University (BSMMU), Dhaka. Association of murine double minute 2 (MDM2) gene polymorphism with hepatocellular carcinoma. Degree awarded from BSMMU on April, 2019.
2. Dr. Fatima-Tuz-Zohrann. Department of Laboratory Medicine, Bangabandhu Sheikh Mujib Medical University (BSMMU), Dhaka. Association of serum zinc level with the severity of Acne vulgaris. Degree awarded from BSMMU on August 2017.

#### **M. Phil. Students' Thesis Supervised**

1. Md. Abdur Rahman. Study of p<sup>53</sup> gene polymorphism and risk of hepatocellular carcinoma: in a Bangladeshi cohort. Degree awarded from University of Dhaka on January, 2023.
2. Afroz Jahan Taniya. Occurrence of emerging food borne pathogens in common fast foods and inactivation of pathogens with essential oil. Degree awarded from University of Dhaka on December, 2015.
3. Md. Abdul Momen. Impact of serum lead concentration of pregnant woman on low birth weight. Degree awarded from University of Dhaka on February, 2010.
4. Md. Mahbubul Anwar. Weekly and twice weekly iron supplementation in control of iron deficiency in adolescent female garment factory workers. Degree awarded from University of Dhaka on August, 2004.

#### **M.S. Students' Thesis Supervised**

1. Muhammad Shafiul Alam Mondal. Integrative analysis of genomic and transcriptomic data to explore the role of telomere biology in acute myeloid leukemia. Session: 2020-2021. Submitted on January 2023.
2. Lamia Tabassum. Association of XRCC1-194, XRCC1-399, and XPD-751 polymorphism in the susceptibility to acute myeloid leukemia (AML) in Bangladeshi population. Session: 2020-2021. Submitted on January 2023.
3. Arafat Ibne Kamal. Association of prodynorphin (PDYN) and DRD2 Taq1B polymorphisms with drug addiction in Bangladeshi population. Session: 2020-2021. Submitted on January 2023.
4. Saima Mubashshira. Polymorphism of nucleotide excision repair genes XPC, XPD and XPA as a biomarker for the risk of urinary bladder cancer in Bangladeshi population. Session: 2020-2021. Submitted on January 2023.
5. Rubaiat-E-Tabassum. Association of XRCC1 and MIF gene polymorphism and relative telomere length for the risk of bladder cancer in Bangladeshi population. Session: 2019-2020. Submitted on March 2022.
6. Md. Abu Jaher Nayeem. Variation in lipo-oligosaccharide biosynthesis locus cluster gene in *Campylobacter jejuni* isolated from patients with Guillain Barre' syndrome: a

- comparative microbial genomics. Session: 2019-2020. Submitted on March 2022.
7. Tamanna Akter. 5-hydroxytryptamine receptor 1B and glutamate receptor ionotropic NMDA type subunit 1 polymorphisms as a biomarker for drug addiction in Bangladesh. Session: 2018-2019. Submitted on January 2021.
  8. Baby Naznin. Genetic polymorphism of MDM2-SNP309, Myc8q24 and CYP2E1\*5B as biomarker for the risk of bladder cancer in the Bangladeshi population. Session: 2018-2019. Submitted on January 2021.
  9. Subarna Sayed Ety. Effect of SNPs in BCL11A gene on the clinical heterogeneity patients with HbE/ $\alpha$ -Thalassemia. Student of Department of Biotechnology and Genetic Engineering, Mawlana Bhashani Science and Technology University, Tangail. Session: 2016-17. Submitted on August, 2020.
  10. Syed Shahariar Bappy. Effect of chronic arsenic exposure on oxidative stress and inflammatory bio-marker in rural preadolescent Bangladeshi population. Student of Department of Biotechnology and Genetic Engineering, Mawlana Bhashani Science and Technology University, Tangail. Session: 2016-17. Submitted on August, 2020.
  11. Masuma Ahmed Luna. The role of genetic polymorphism of rs710521 located near TP63 and G4C14 to A4T14 of TP73 as a Biomarker for the risk of bladder cancer in Bangladeshi population. Session: 2017-1018. Submitted on May 2019.
  12. Jahanara Akter Sonia. Association of catechol-O-methyltransferase (COMT) Val158Met and dopamine receptor D4(DRD4) 120 bp VNTR polymorphism as a Biomarker to the risk of substance abuse in Bangladesh. Session: 2017-1018. Submitted on May 2019.
  13. Mir Md. Imran. Association of transferrin (rs3811647) gene variants with iron deficiency anemia in pregnant mothers and corresponding babies in Bangladesh. Session: 2017-1018. Submitted on May 2019.
  14. Jakaria Shawon. Association of GSTT1, GSTM1, ACE and CYP11B2 gene polymorphism with the risk of chronic kidney disease in Bangladesh. Session: 2016-1017. Submitted on May 2018.
  15. Ahmed Imtiaz. Polymorphism of XPC and MTHFR gene in the development of bladder cancer in Bangladesh: A case control study. Session: 2016-1017. Submitted on May 2018.
  16. Md. Elias Shawon Bhuiyan. The role of genetic polymorphism of TP53 and TP73 gene as a biomarker for the risk of cervical cancer in Bangladeshi population. Session: 2016-1017. Submitted on May 2018.
  17. Rifat Tasnim Juthi. Association between XRCC1 polymorphisms and the risk of breast cancer in Bangladeshi population. Session: 2016-1017. Submitted on May 2018.
  18. Rifat Bin Amin. Screening of cadmium uptake in Bangladeshi rice varieties for Aman season at seedling stage. Student of Department of Biochemistry and Molecular Biology, Tejgaon College. Session: 2013-2014. Submitted on September 2017.
  19. Safaiatul Islam. Infants with normal height-for-age or having higher monocyte count are associated with elevated plasma shigellacidal activity. Student of Department of Biotechnology and Genetic Engineering, Mawlana Bhashani Science and Technology University, Tangail. Session: 2014-2015. Submitted on August 2017.
  20. Md. Khayrul Islam. Association of TMPRSS6 gene variants with iron deficiency anemia in pregnant women and newborn baby in Bangladesh. Session: 2015-1016. Submitted on May, 2017.

21. Tahsin Nairuz. Role of GSTM1, GSTT1, TP53 and XPD gene polymorphisms on lung cancer susceptibility and effects on platinum-based chemotherapy induced toxicity. Session: 2015-1016. Submitted on May, 2017.
22. Tohfa Kabir. Association of Brain Derived Neurotrophic Factor (BDNF) Val66Met and Dopamine Receptor D2 (DRD2) Taq1A polymorphism with drug addiction in Bangladesh and age of addiction. Session: 2015-1016. Submitted on May, 2017.
23. Md. Ariful Islam. Association of XPD Lys751Gln polymorphism, antioxidant level, oxidative stress response and clinical parameters of blood with urinary bladder cancer risk in Bangladeshi population. Session: 2015-1016. Submitted on May, 2017.
24. Tafriha E Tasdika. Association of Glutathione-S-Transferase M1 and T1 gene polymorphism and divalent cations (Zn and Mg) with diabetic retinopathy in Bangladeshi population. Session: 2014-2015. Submitted on May, 2016.
25. Fazlul Haque. Polymorphism of GSTM1 and GSTT1 genes and susceptibility to bladder cancer in Bangladeshi population. Session: 2014-2015. Submitted on May, 2016.
26. Aklima Akhter. XRCC1 and XRCC3 gene polymorphisms and antioxidant vitamins (E and C) for susceptibility to bladder cancer in Bangladeshi population. Session: 2014-2015. Submitted on May, 2016.
27. Shahin Alam. Screening of lead uptake in Bangladeshi rice varieties for Aman season at seedling stage. Student of Department of Biochemistry and Molecular Biology, Tejgaon College. Session: 2011-2012. Submitted on February, 2016.
28. Mahmuda Akter Moli. Association of TNF- $\alpha$  gene polymorphism with lipid profile and type 2 diabetes in Bangladeshi population. Student of Department of Biotechnology and Genetic Engineering, Mawlana Bhashani Science and Technology University, Tangail. Session: 2012-2013. Submitted on September 2015.
29. Marjia Afrin. Oxidative stress, DNA damage and XRCC1 gene polymorphism in welders of Dhaka city. Session: 2013-2014. Submitted on May, 2015.
30. Md. Mehedi Hasan. Association of ATP binding cassette transporter 1 (ABCA 1) gene polymorphism with type 2 diabetes in Bangladeshi population. Session: 2013-2014. Submitted on May, 2015.
31. Mosabbir Ahmed. Human milk immune regulator IL-7 and infant anti-inflammatory IL-10 responses during early infancy. Session: 2013-2014. Submitted on May, 2015.
32. Anika Tahsin Rahman. Matrix metalloproteinase-9 gene polymorphism in patients with Guillain-Barre Syndrome in Bangladesh. Session: 2012-2013. Submitted on June, 2014.
33. Md. BodiuzzamanTuhin. Circulating zonulin, a marker of intestinal permeability, is increased during early infancy in association with birth weight. Session: 2012-2013. Submitted on June, 2014.
34. Md. Nure Alam Afsar. The effectiveness and relationship between Pertussis-Tetanus at 15 weeks and one year of age. Session: 2012-2013. Submitted on June, 2014.
35. Sharmin Akhtar. Dietary intake of heavy metals through consumption of vegetables by the residents of Dhaka city. Session: 2012-2013. Submitted on June, 2014.
36. Polash Ghose. Oxidative stress and DNA damage of welders working in Dhaka city. Student of Department of Biotechnology and Genetic Engineering, Mawlana Bhashani Science and Technology University, Tangail. Session: 2010-2011. Submitted on December, 2013.



37. Salma Sharmin. Prevalence and characterization of diarrheagenic *Escherichia coli* isolated from patients attending at Kumudini hospital, Tangail and Dhaka hospital, icddr,b, Bangladesh. Session: 2011-2012. Submitted on June, 2013.
38. Afsana Khanam. Maternal low dose weekly vitamin A supplementation interferes with passive transfer of H1N1 antibody. Session: 2011-2012. Submitted on June, 2013.
39. Tasnim Jannaty. Nutrient's composition in selected key foods of animal origin of Bangladesh. Session: 2011-2012. Submitted on June, 2013.
40. Md. Tariq Hasan. Exploring the possibility of improving neonatal immune responses with influenza vaccination through prenatal vitamin A supplementation. Session: 2010-2011. Submitted on September, 2012.
41. Razia Shekh. Effect of antenatal vitamin D supplementation on the status of the biochemical markers. Session: 2010-2011. Submitted on September, 2012.
42. Israt Jahan. The role of TNF- $\alpha$  and TLR4 polymorphisms in patients with Guillain-Barre syndrome in Bangladesh. Session: 2010-2011. Submitted on September, 2012.
43. M.A.G. Rabbani. Role of untreated hospital waste water in the emergence of multidrug resistant (MDR) bacteria. Session: 2010-2011. Submitted on September, 2012.
44. Arfatur Rahman. Isolation, identification and characterization of hexavalent chromium resistant and reducing bacteria from tannery effluent of Hazaribag, Dhaka. Session: 2010-2011. Submitted on September, 2012.
45. Jahidul Islam. NAT2 gene polymorphism, DNA damage and lipid peroxidation in bladder cancer patients. Session: 2009-2010. Submitted on October, 2011.
46. Md. Jahangir Alam. Regulatory role of the live attenuated vaccines in gastrointestinal antimicrobial peptides (AMPs) induction. Session: 2009-2010. Submitted on October, 2011.
47. Md. Abdur Rakib. Heavy metal uptake of some high yielding and traditional varieties of rice plant (*Oryza sativa* L.) in Bangladesh. Session: 2009-2010. Submitted on October, 2011.
48. Md. Jahangir Alam. Intake of heavy metals by infants and children through baby food. Session: 2008-2009. Submitted on January, 2011.
49. Abu Mohammed Mohiuddin. Level of sodium benzoate in non-alcoholic carbonated drinks and its effect on DNA damage, liver and kidney function of rats. Session: 2008-2009. Submitted on January, 2011.
50. Halima Sultana. Comparison between conventional culture and PCR based method for isolation and identification of *Salmonella* spp. and their characterization. Session: 2008-2009. Submitted on January, 2011.
51. Saida Hoque. Effect of short-term feeding of rice bran oil on lipids and lipoproteins in rats. Session: 2007-2008. Submitted on January, 2010.
52. Md. Mamunur Rashid. Decreased utilization of beta-carotene in adult men with high vitamin A store and *in silico* prediction of  $\beta$ -carotene 15, 15'-monooxygenase (BCMOI) regulation by vitamin A. Session: 2007-2008. Submitted on January, 2010.
53. Md. Safiqul Islam. Association between glycosylated hemoglobin, uric acid and C-reactive protein in type 2 diabetic subject. Session: 2007-2008. Submitted on January, 2010.

54. Nahid Tamanna. Effects of solid waste dumping exposure on serum minerals, vitamins and oxidative stress in people working at landfill site. Session: 2007-2008. Submitted on January, 2010.
55. Fazlul Karim. Insulin secretion, insulin sensitivity and iron overload in type 2 diabetic subjects. Session: 2001-2002. Submitted on December, 2004.
56. Md. Abdul Haq. Effects of fish oil (*Hilsailisa*) and soybean oil on glycemic, insulinemia, lipidemic, total antioxidant status and platelet aggregation in type 2 diabetic model rats. Session: 1998-1999. Submitted on June, 2002.
57. Farha Matin Juliana. A comparative study of serum lipids, vitamin C and minerals (Fe, Zn, Cu, Ca) on stroke patients of Bangladesh. Session: 1997-1998. Submitted on February, 2001.
58. Md. Nayemul Islam Khan. Nutritional status and mineral levels in rural malnourished adolescent boys and girls: A comparative study. Session: 1996-1997. Submitted on May, 2000.
59. Syeda Shegufta Ameer. Interrelationship between serum vitamin A, vitamin E and mineral levels in urban adolescent girls with respect to nutritional status. Session: 1996-1997. Submitted on May, 2000.
60. Md. Asaduzzaman. An evaluation of phytic acid and mineral contents of rice in Bangladesh. Session: 1996-1997. Submitted on May, 2000.
61. Wahida Obaid and Farzana Saleh. Prevalence of anemia in adolescent college girls in Bangladesh. Students of Home Economic College, Dhaka. Session: 1991-1992. Submitted on November, 1999.
62. Ashok Chakraborty. Interrelationship between anthropometric indices, vitamin A status and iron status of urban malnourished adolescent school girls. Session: 1995-1996. Submitted on August, 1999.
63. Raihan Hasin. Phytic acid, mineral and trace element of pulses and cereals: Some effect of processing. Session: 1995-1996. Submitted on August, 1999.
64. Qazi Rukhsana Begum. A comparative study of serum lipids in hypothyroid, hyperthyroid subjects with euthyroid subjects. Session: 1994-1995. Submitted on October, 1998.
65. Meherunnessa. Fast foods in Dhaka: An investigation on the quality and quantity of fat. Session: 1994-1995. Submitted on October, 1998.
66. Giasuddin Ahmed. Comparative effect of fish oil (*Hilsha Ilisha*) and vegetable oils (soybean and palm) on lipids of experimentally induced hypercholesterolemic rats. Session: 1993-1994. Submitted on February, 1998.
67. Mahmud-ul Islam Khan. Lipid composition of colostrum and mature breast milk from mothers of various socio-economic statuses. Session: 1993-1994. Submitted on February, 1998.
68. Haider Ali. Nutritional status of the female adolescent garment's workers. Session: 1992-1993. Submitted on January, 1997.
69. Sonia Shahnaz. The effects of *Auricularia polytricha* mushroom on serum cholesterol lowering mechanism in hypercholesterolemic rats. Session: 1989-1990. Submitted on June, 1994.
70. Dwaipayyan Sikder. Isolation and characterization of proteolytic enzymes from the larvae

of *Collosobruchus chinensis*, the pulse beetle. Session: 1988-1989. Submitted on August, 1992.

71. Sukumar Sarkar. Dietary effects of mushrooms on the lipid metabolism in rats. Session: 1988-1989. Submitted on August, 1992.

### **B.Sc. Students' Thesis Supervised**

Nafisa Ahmed. Association of XRCC1 and XPD polymorphism with risk of prostate cancer in Bangladesh population. Student of the Department of Mathematics and Natural Sciences, BRAC University, Dhaka. Session: Spring 2023. Submitted on February 2023.

### **Research Grants Received and Projects Completed so far**

1. Association of GRIN1 gene polymorphisms with the risk of drug addiction in Bangladesh. Funded by Sarathi Research Grant, Asiatic Society of Bangladesh, 2021-2022.
2. Detection of RAS gene mutations as potential biomarkers for cancer surveillance and therapy. Funded by Dhaka University Centennial Research Grant (DU-CRG), University of Dhaka, 2021-2022.
3. Association of genetic polymorphism in XPD Lys751Gln gene with urinary bladder cancer risk in Bangladesh. Funded by Biotechnology Research Centre, University of Dhaka, 2021-2022.
4. Effect of rice bran oil on blood lipid concentrations and lipoprotein composition in hypercholesterolemic rats. Funded by Centre for Advanced Studies and Research in Biological Sciences, University of Dhaka, 2021.
5. Glutathione S-transferase (*GSTT1* & *GSTM1*) gene polymorphisms on risk of platinum-based chemotherapy induced toxicity in lung cancer patients. Funded by Ministry of Science and Technology, Government of the People's Republic of Bangladesh, 2020.
6. Role and mechanism of the Interleukin-6 gene polymorphism in the development and progression of type 2 diabetes mellitus of Bangladeshi population. Principal Investigator: M.M. Towhidul Islam; Co-Investigator: Yearul Kabir. Funded by Ministry of Sciences and Technology, Government of the People's Republic of Bangladesh, 2019.
7. Role of 5- hydroxytryptamine receptor 1B (HTR1B) gene polymorphism in the drug addiction of Bangladeshi people. Funded by Neuroscience Research Center, University of Dhaka, 2020.
8. Glutathione S-transferase gene (*GSTT1* & *GSTM1*) polymorphism and its susceptibility to bladder cancer. Funded by University Grants Commission (UGC) of Bangladesh, 2019.
9. Association of Tmprss6 gene variants with iron deficiency anemia in pregnant women and new born baby in Bangladesh. Funded by the Centre for Advanced Studies and Research in Biological Sciences, University of Dhaka, 2020.
10. DNA repair gene XRCC 1 (Arg399Gln) polymorphism and bladder cancer risk in Bangladesh. Funded by University of Dhaka, 2019.
11. Effects of repeated oral administration of Khat (*Catha edulis*) on the level of neurotransmitters in rats. Funded by Neuroscience Research Center of Dhaka University (NRCDU), 2019.
12. Genetic variation in the TP53 pathway and bladder cancer risk in Bangladeshi individuals. Funded by Bangladesh Bureau of Educational Information & Statistics (BANBEIS), Ministry of Education, Government of the People's Republic of Bangladesh, 2018-19.

13. Identification of rice genotypes having low heavy metal uptake ability. Funded by BAS-USDA, 2015-18.
14. Association of Brain-derived neurotrophic factor (Val66Met) genetic polymorphism with substance abuse in Bangladeshi Males. Funded by Neuroscience Research Center of Dhaka University (NRCDU), 2018.
15. Allelic and genotypic associations of *DRD2 TaqI A* polymorphism with drug dependence in Bangladeshi subjects: a case control study. Principal Investigator: M.M. Towhidul Islam; Co-Investigator: Yearul Kabir. Funded by Neuroscience Research Center of Dhaka University (NRCDU), 2018.
16. Association of TNF- $\alpha$  gene polymorphism with lipid profile and type 2 diabetes in Bangladeshi population. Funded by University of Dhaka, 2017.
17. Association of ATP Bonding Cassette Transporter 1 (ABCA 1) gene polymorphism with type 2 diabetes in Bangladesh. Funded by the Centre for Advanced Studies and Research in Biological Sciences, University of Dhaka, 2016.
18. X-ray repair cross-complementing group 1(XRCC 1) gene polymorphism in welders of Dhaka city. Funded by University of Dhaka, 2016.
19. Assessment of oxidative stress and DNA damage in welders of Dhaka city. Funded by University Grants Commission (UGC) of Bangladesh, 2016.
20. Association of *P<sup>53</sup>* gene polymorphism in bladder cancer patients. Funded by Bangladesh Medical Research Council (BMRC), 2014.
21. NAT2 gene polymorphism as a biomarker for susceptibility to bladder cancer in Bangladeshi population. Funded by Bangladesh Medical Research Council (BMRC), 2013.
22. Level of heavy metals, minerals and trace elements in selected foods consumed by urban population. Funded by UNESCO Participation Programme 2012-2013, Bangladesh National Commission for UNESCO (BNCU), Ministry of Education, Government of the People's Republic of Bangladesh, 2013.
23. Intestinal parasitic infections among school children in Dhaka city. Funded by University Grants Commission (UGC) of Bangladesh, 2012.
24. Evaluation of drinking water of Tongi industrial area for heavy metals contamination. Funded by University of Dhaka, 2012.
25. Effect of sodium benzoate on oxidative DNA damage and liver and kidney function in rat. Funded by the Centre for Advanced Studies and Research in Biological Sciences, University of Dhaka, 2012.
26. Exploring the possibility of improving neonatal vaccine/immune responses through prenatal vitamin A supplementation – a pilot study. Principal Investigator: Shaikh Meshbahuddin Ahmad; Co-Investigator: Yearul Kabir. Funded by International Centre for Diarrhoeal Disease Research, Bangladesh (ICDDR,B), Dhaka, Bangladesh, 2011.
27. Intake of heavy metal by infants and children through commercially available baby foods. Funded by Ministry of Science and Information & Technology, Government of the People's Republic of Bangladesh, 2011.
28. Accumulation of heavy metals in rice genotypes. Funded by Biotechnology Research Centre, University of Dhaka, 2011.

29. Concentration of benzoic acid in soft drinks available in local markets. Funded by the Centre for Advanced Studies and Research in Biological Sciences, University of Dhaka, 2010.
30. Effects of high and low glycemic foods on glycemic and satiety in female college students in Kuwait. Principal Investigator: Tasleem A. Zafar; Co-Investigator: Yearul Kabir. Funded by Kuwait University, Project # WF 04/07, 2009.
31. Perception of body size and shape by female college students. Funded by Kuwait University, Project # WF 03/07, 2009.
32. Evaluation the efficacy of iron fortification in wheat flour in women al child-bearing age in Kuwait. Worked as a Co-Investigator. Funded by Kuwait Institute of Scientific Research, Kuwait, 2008.
33. Study on phytic acid and mineral contents of Bangladeshi foods. Funded by the Centre for Advanced Studies and Research in Biological Sciences, University of Dhaka, 2001.
34. Iron supplementation to the garment workers in Bangladesh. Funded by Programme for Research on Poverty Alleviation, Grameen Trust, 2001.
35. Effect of antioxidant supplementation on the oxidative DNA damage in human lymphocytes from smokers. Funded by Ministry of Science and Technology, Government of the People's Republic of Bangladesh, 2000.
36. A study on vitamin A status and anemia in urban adolescent school girls. Funded by the Centre for Advanced Studies and Research in Biological Sciences, University of Dhaka, 2000.
37. A study on the determination of cholesterol contents Bangladeshi foods and dishes. Funded by University Grants Commission (UGC) of Bangladesh, 1997. 1995-1996
38. Mechanism of cholesterol lowering effect of *Auricularia polytricha* mushroom in rats. Funded by WHO's research grant of BMRC for young scientists, 1995. Project # BMRC/WHO/94/TSA-38.
39. Comparison and physiological effects of fish oils from marine and river origin. Funded by UNU Follow-up research grant, Japan. Agreement No. 95/023A, 1995.
40. Role of iron supplementation on growth and morbidity of diarrheal disease children under 5 years of age. Funded Ministry of Education, Science and Technology Division, Government of the People's Republic of Bangladesh, 1991-1992.
41. Isolation and characterization of proteases from insect larvae of pulse beetle (*Callosobruchus chinensis*). Funded by Biotechnology Research Centre, University of Dhaka, 1992.
42. Effect of dietary mushrooms on lipid metabolism in rats. Funded by WHO's research grant of BMRC for Young Researcher, 1992. Project # BMRC/WHO/TSA/90-91/400..
43. Screening and isolation of antibacterial peptide from insect larvae. Funded by Biotechnology Research Centre, University of Dhaka, 1990-1991.

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### ***Research Activity***

#### ***On-going Funded Research Projects***

1. Genomic and proteomic analysis of placental tissue to identify biomarkers for intrauterine fetal death. Funded by Ministry of Health, Government of the People's Republic of Bangladesh, 2021-2023.
2. Investigating the role of calmodulin-dependent protein kinase II (CaMKII) in bladder

cancer growth, migration, and invasion. Funded by Bangladesh Bureau of Educational Information & Statistics (BANBEIS), Ministry of Education, Government of the People's Republic of Bangladesh, 2021-2023.

3. Association of MIF 173G>C, XRCCI Arg1944Trp and Arg280His polymorphisms with bladder cancer susceptibility in the Bangladeshi population, Funded by University Grants Commission (UGC) of Bangladesh, 2021-2022.
  4. Association of polymorphisms present in the base excision repair scaffold protein and Macrophage Migration Inhibitory Factor genes with the Risk of Bladder Cancer in Bangladeshi Population. Funded by Ministry of Science and Technology, Government of the People's Republic of Bangladesh, 2022-2023.
  5. MDM2 (rs2279744, SNP-309) gene polymorphism as a biomarker for susceptibility to bladder cancer in Bangladeshi population. Biotechnology Research Centre, University of Dhaka, 2022-2023.
  6. Association of 5-hydroxytryptamine receptor 1B (HTR1B) gene polymorphisms with the risk of drug addiction in Bangladesh (co-PI). Biotechnology Research Centre, University of Dhaka, 2022-2023.
- 74.
7. Association of murine double minute 2 (*MDM2*) promoter region SNP309 T>G (rs2279744) gene polymorphism with urinary bladder cancer risk in Bangladeshi population. Funded by Bangladesh Medical Research Council (BMRC), 2022-2023.

#### ***Ph.D Student***

1. Investigation of molecular biomarker landscape for follicular thyroid carcinoma in Bangladeshi population and outcomes of radioactive iodine <sup>131</sup>I therapy in association with specified molecular biomarker. Student: Md. Ariful Islam
2. Association of biochemical and genetic polymorphisms of LRRK2, PINK1 and SNCA genes with the risk of Parkinson's disease in Bangladesh. Student: Abdul Hafiz.
3. Proteomics and genetic polymorphism analysis to identify biomarkers for intrauterine fetal death. Student: Feriha Ferdaus
4. Association of FII prothrombin (G20210A) and FV Leiden (G1691A) and FXIII (G214T) polymorphism with susceptibility to myocardial infarction in Bangladeshi population. Student: Sayeeda Monira Rahman.
5. Association of GLUT1 gene variants with the risk of type 2 diabetes and diabetic nephropathy in Bangladeshi population. Student: Afsana Begum.
6. Karyotyping and Copy number variation of TSPY1 gene among infertile couples attended in selected tertiary level hospital of Bangladesh. Student: Fatema Ashraf.
7. Individual variation in postprandial peak glycemic response and its association with insulinemic status among type 2 diabetic subjects. Student: Jannatul Nayeem (Co-supervisor).

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#### ***M. Phil. Student***

Transcriptomic analysis of placentas for developing biomarkers and therapeutic targets in recurrent pregnancy loss. Student: Shamima Arin Aishi.

#### ***MD Students***

1. Effect of Roxadustat in the management of anemia and HIF-1- $\alpha$  response in patients with cirrhosis of liver. Student: Dr. Md. Mahmudul Hasan.

2. Effect of Roxadustat in management of anemia and iron regulation in cirrhosis of liver patients.  
Student: Dr. Md. Fakhru Islam Chowdhury.

***M.S. Student***

GEMIN4 gene polymorphisms and haplotype analysis in association with bladder cancer in Bangladeshi population. Student: Bristy Rani Podder, Session: 2022-2023.

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**Organizer of Symposium and Seminar**

1. Organized (Acted as Joint Secretary, Organizing Committee) an International Symposium on Cancer and Developmental Biology under (Bangladesh Society for Biochemistry and Molecular Biology (BSBMB), Dhaka, Bangladesh, January 29-31, 2010.
  2. Organized with full responsibility (as General Secretary of Bangladesh Biochemical Society) a Seminar on “Application of HPLC Techniques in Biochemistry Research”, Dhaka, November 11, 2000.
  3. Organized with full responsibility (as General Secretary of Bangladesh Biochemical Society) a Seminar on “Dengue Problem: Prevention and Cure”, Dhaka, August 26, 2000.
  4. Organized with full responsibility (as President, Graduate Biochemists Association) the 2<sup>nd</sup> one day GBA Symposium on “Biochemistry and Health”, Dhaka, Bangladesh, November 1, 1996.
  5. Organized with full responsibility (as President, Graduate Biochemists Association) the 1<sup>st</sup> one day GBA Symposium on “Role of Biochemists in the Diagnosis of Diseases”, Dhaka, Bangladesh, June 23, 1995.
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***Executive Committee Member, Chromosome Research Center, University of Dhaka (2021-2022).***

***Member, ERC of Faculty of Biological Sciences, University of Dhaka (2020-2022).***

***Chairman, Moderation Board of the Asiatic Society of Bangladesh Official You Tube Channel named “Asiatic Society of Bangladesh” (2020-2021).***

***Member, Ethical Guidelines Upgradation Committee of Bangladesh Medical Research Council (BMRC) under National Research Ethics Committee (NREC).***

***Member, International Union of Biological Sciences (IUBS), National Committee of Bangladesh.***

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***Editor of Journals:***

- Journal of Bangladesh Academy of Sciences
  - Journal of the Asiatic Society of Bangladesh –Science
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***Member of Editorial Board***

- *PLOS ONE* as an Academic Editor
- Interdisciplinary Cancer Research (Book Series), Springer.
- Dhaka University Journal of Biological Sciences (July 2019- June 2021)
- Annals of Genetics (2021-2024)
- World Journal of Pharmacology (2019-01-01 - 2021-12-31)
- HSOA Journal of Biotech Research and Biochemistry.
- International Journal of HIV/AIDS and Research.
- Bangladesh Journal of Nutrition (July 1997-June 1998).

- Member of the Advisory Board of the Journal of Biodiversity Conservation and Bioresource Management.
- Review Editor, Frontiers in Environmental Science and Frontiers in Public Health.
- External Reviewer, Anwar Khan Modern Medical College Journal

### **Reviewer of Journal**

As a member of Reviewer Panel, reviewed manuscripts of following journals:

- Annals of Genetics
- Technology in Cancer Research & Treatment
- PLoS ONE
- Scientific Reports
- Food Chemistry
- Gene
- Gene Reports
- Oncology Letter
- HELIYON
- Medical Science Monitor
- Progress in Nutrition
- Acta Biochimica Biophysica Sinica
- Cancer Epidemiology
- Clinical and Experimental Pharmacology and Physiology
- Nutrition Research
- Public Health Nutrition
- BMC Complementary and Alternative Medicine
- Tumor Biology
- Oncology Research and Treatment
- Journal of Food Science and Technology
- International Food Research Journal
- Frontiers in Public Health Section Environmental Health
- Frontiers in Environmental Science
- The Open Biochemistry Journal
- Bangladesh Journal of Nutrition
- Journal of Applied Biology and Biotechnology
- Journal of the Asiatic Society of Bangladesh
- Teacher's World
- Bangladesh Journal of Scientific and Industrial Research
- Dhaka University Journal of Science
- Dhaka University Journal of Biological Science
- Journal of Biodiversity Conservation and Bioresource Management
- Bangladesh Medical Research Council Bulletin.
- Journal of Bio-Science

### **Current/Past Membership of Professional Societies**

- (a) Associate Secretary, Bangladesh Academy of Sciences Council (July 2019–June 2025).
- (b) Council Member of Asiatic Society of Bangladesh (January 2022 – December 2023).
- (c) Japanese Universities Alumni Association in Bangladesh (JUAAB), Life Member and Executive Committee Member (April 2021 – March 2023).
- (d) Bangladesh-JSPS Alumni Association, Life Member and Vice-President-2 (April 2021-March 2025).
- (e) New York Academy of Sciences, 1997.



- (f) Bangladesh Society for Biochemistry and Molecular Biology, Life Member.  
General Secretary (April 2000- September, 2003 and April 2012 – May 2015).
- (g) Graduate Biochemists Association, Founder President and Life Member.
- (h) Nutrition Society of Bangladesh, Life Member.
- (i) Bangladesh Society of Microbiologists, Life Member.
- (j) The Asiatic Society of Bangladesh, Life Member.
- (k) Japanese Universities Alumni Association in Bangladesh (JUAAB), Life Member and Executive Committee Member (April 2021 – March 2023).
- (l) Bangladesh-JSPS Alumni Association, Life Member and Vice-President-2 (April 2021-March 2023).

***Other Activities***

Member, Academic Council, University of Dhaka since 1998.

Senate Member, University of Dhaka (2000-2003 and 2013-2016).

Joint Secretary, Dhaka University Teachers' Association (DUTA) (1998)

General Secretary, Dhaka University Teachers' Association (DUTA) (2003).

Member, Executive Committee, Nutrition Society of Bangladesh (2013-2017).

Member, Governing Body, School of Studies, Faculty of Biological Sciences, University of Khulna (2003- 2005).

Member, Governing Body, Institute of Education and Research (IER), University of Dhaka (2004-2019).

Member, Governing Body, Institute of Biological Sciences, University of Rajshahi (2003-till today).

(m) Council Member of Asiatic Society of Bangladesh (January 2022 – December 2023).

***Student Adviser***

Student Adviser in the Department of Biochemistry, University of Dhaka(November 01, 1997– May 31, 1998 and November 01, 1999-November 30, 2000).

***Provost***

***Provost of Fazlul Haq Hall, University of Dhaka (March, 2002 – November, 2004).***

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***Name and Addresses of Referees: Available Upon Request.***



(Yearul Kabir)