CURRICULUM VITAE
of
YearulKabir

Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka.
Tel.: (88)02-9661900-59 Ext. 7656, Mobile: (88)01710-327716
Fax: (88)02-9667222, Email: ykabir@yahoo.com

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 1979 (held in 1983) from the Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka, Bangladesh.

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

Professional Positions

Teaching Position

Professor (Academic Advisor) at Bangabandhu Sheikh Mujibur Rahman Maritime University (BSMRMU), Dhaka, Bangladesh (February 2024- to date).

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 Position

JSPS Invitational Fellowships for Research in Japan (Short-term), in the Laboratory of Nutrition, Department of Chemistry & Life Science, Graduate School of Agricultural Sciences, Tohoku University, Japan. (June 2025– August 2025).

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

- DU Research Excellence Recognition 2025. Certificate of Appreciation from University of Dhaka in recognition of my exemplary contribution to scholarly excellence through high quality research publication.
- 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 in 2022.
- Awarded BAS-Dr. M. O. Ghani Memorial Gold Medal Award 2021 by BAS (Bangladesh Academy of Sciences) for outstanding research in Biological Sciences.
- Awarded 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 Japanese Government (Monbukagakusho) Scholarship for Ph.D. at Tohoku University, 1987-1990.
- Awarded Japan Society for the Promotion of Science (JSPS) Fellowship to undertake post-doctoral research at Tohoku University, Japan (December 2003-May 2004)
- **Awarded** JSPS-Bridge Fellowship in the Laboratory of Nutrition, Department of Applied Biological Chemistry, Graduate School of Agricultural Sciences, Tohoku University, Japan. (October 2012–November 2012).

Ph.D. Students' Thesis Supervised

1. Jannatul Nayeem. Association of insulin receptor and peroxisome proliferator-activated receptor γ gene polymorphisms with phenotypic features and insulin resistance in women with polycystic ovary syndrome.The degree was awarded from the University of Dhaka in January 2024.
2. 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. The degree was awarded from the University of Dhaka in July 2022.

3. Evana Akhtar. Impact of introducing high-selenium lentils on everyday diet for mitigating arsenic-related health problems in Bangladesh. The degree was awarded from the University of Dhaka in October 2021.

4. RoksanaYeasmin. BIRDEM Hospital, Dhaka. Association of TNF-α, IL-6 and IL-10 gene polymorphism with type 2 diabetes mellitus in relation to insulin action and secretion. The degree was awarded from the University of Dhaka in August 2021.

5. AyatunNesa. BIRDEM Hospital. Association of NAT2, GSTT1 & GSTM1 gene polymorphisms and influence of oxidative stress on prostate cancer risk in Bangladeshi population. The degree was awarded from the University of Dhaka in December 2020.

6. Amrita Bhowmik. BUHS, Mirpur. Association of genetic variation in TCF7L2, SLC22A1 and KCNJ11 genes with risk for type 2 diabetes in Bangladeshi population. The degree was awarded from the University of Dhaka in December 2020.

7. TasnimFarzana, Bangladesh Council for Scientific & Industrial Research (BCSIR), Dhaka. N-acetyl transferase-2 (NAT-2) genetic polymorphism in different ethnic populations of Bangladesh. The degree was awarded at the University of Dhaka in December 2011.

8. Muhammad Ali Siddiquee. Bangladesh Rice Research Institute (BRRI), Gazipur, Dhaka. Nutritional properties of some traditional and high-yielding varieties (HYV) of rice in Bangladesh. The degree was awarded at the University of Dhaka in August 2010.

9. Md. Sabir Hossain. Jahangirnagar University, Savar, Dhaka. Studies on the molecular basis of Shiga Toxin 1 induced mammalian cell death. The degree was awarded at the University of Dhaka in September 2008.

10. Md. Tahminur Rahman. Ibrahim Medical College, BIRDEM, Dhaka. Aetiopathology of malnutrition-related diabetes mellitus (MRDM) in Bangladesh. The degree was awarded from the University of Dhaka in September 2008.

M.D. Students' Thesis Supervised

1. Dr. Md. Fakhrul Islam Chowdhury, Department of Hepatology, Bangabandhu Sheikh Mujib Medical University (BSMMU), Dhaka. Effect of Roxadustat in management of anemia and iron regulation in cirrhosis of liver patients. The degree was awarded from BSMMU in August 2024.

2. Dr. Md. Mahmudul Hasan, Department of Hepatology, Bangabandhu Sheikh Mujib Medical University (BSMMU), Dhaka. A randomized controlled trial of Roxadustat in anemia of liver cirrhosis and its effects on HIF-1-Alevel. The degree was awarded from BSMMU in August 2024.

3. Dr. NarwanaKhaleque. Department of Hepatology, Bangabandhu Sheikh Mujib Medical University (BSMMU), Dhaka. Association of murine double minute 2 (MDM2) gene polymorphism with hepatocellular carcinoma. The degree was awarded from BSMMU in April 2019.

4. Dr. Fatima-Tuz-Zohrann, Laboratory Medicine, Department of Clinical Pathology, Bangabandhu Sheikh Mujib Medical University (BSMMU), Dhaka. Association of serum zinc level with the severity of Acne vulgaris. The degree was awarded from BSMMU in August 2017.

M. Phil. Students' Thesis Supervised

1. Shamima Arin Aishi. Role of DNA repair XRCC1 and XRCC3 gene polymorphisms in the predisposition to Type 2 Diabetes in Bangladesh. (Submitted)

2. Md. Abdur Rahman. Study of p^{53} gene polymorphism and risk of hepatocellular carcinoma: in a Bangladeshi cohort. The degree was awarded from the University of Dhaka in January 2023.

3. Afroz Jahan Taniya. Occurrence of emerging food-borne pathogens in common fast foods and inactivation of pathogens with essential oil. The degree was awarded from the University of Dhaka in December 2015.

4. Md. Abdul Momen. Impact of serum lead concentration of pregnant woman on low birth weight. The degree was awarded from the University of Dhaka in February 2010.

5. Md. Mahbubul Anwar. Weekly and twice weekly iron supplementation in the control of iron deficiency in adolescent female garment factory workers. The degree was awarded from the University of Dhaka in August 2004.

M.S. Students' Thesis Supervised

Seventy-four MS thesis students were supervised.

B.Sc. Students' Thesis Supervised

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

2.Deera Mahasin, Luthfa Akter Bushra, Shifat E Nusrat. Association of MTHFR rs1801133, PEMT rs4244593, CHKA rs7928739, VNTRs IL-1RN intron 2 and NOS3 intron 4 Polymorphisms with Unexplained Intrauterine Fetal Death in Bangladeshi Population. BRAC University, Dhaka. Session: Spring 2024. Submitted on April 2024.

Research Grants Received and Projects Completed so far

Fifty-two projects have been completed, with grants from different organizations.

Research Activity

On-going Funded Research Projects

Association of genetic polymorphisms as biomarkers for risk of drug addiction in Bangladesh. Funded by Sarathi Research Grant, Asiatic Society of Bangladesh, 2023-2025.

Editor of Journals

- Journal of Bangladesh Academy of Sciences (June 2022 – to date)
- Journal of the Asiatic Society of Bangladesh –Science (January 2022- December 2023).

Associate Editor: Journal of the Asiatic Society of Bangladesh–Science (January 2020-December 2021).

Member of Editorial Board

- *PLOS ONE* as an Academic Editor
- Interdisciplinary Cancer Research (Book Series), Springer.
- 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.
- Review Editor, Frontiers in Environmental Science and Frontiers in Public Health.

Reviewer of Journal

As a member of the Reviewer Panel, reviewed manuscripts of the 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.

Name and Addresses of Referees: Available Upon Request.

(Yearul Kabir)

List of Publications

Papers

1. Hossain MN, Das D, Mostofa MA, Hosen MI, **Kabir Y** (2025). Integrated multi-omics and structural analyses to explore the mutational landscape in bladder cancer. Urologic Oncology: Seminars and Original Investigations(Accepted)

2. Nayeem MAJ, Hayat S, Asad A, Mostafa MG, Faruque SN, Begum R, Ahmed M, **Kabir Y**, Jahan I, Islam Z (2025). Genomic variability of lipooligosaccharide biosynthesis locus and sequence type among *Campylobacter jejuni* isolated from patients with Guillain-Barre´ syndrome. *Microbiol Spectrum* July 2025. DOI: 10.1128/spectrum.00062-25

3. Ahmed HU, Hafiz A, Islam MMT, **Kabir Y** (2025). Exploring the relationship between genetic polymorphisms and cancer in the Bangladeshi population. *J Bangladesh Acad Sci.* 49(1); 1-20.

4. Bhowmik A, Begum Rokeya B, **Kabir Y** (2025). KCNJ11 rs5219 gene polymorphism is associated with T2DM in a population of Bangladesh: A case-control study. *Int J Endocrinol*. 2025, 5834412,

5. Nairuz T, **Kabir Y** (2024). Role of GSTM1 and GSTT1 gene polymorphisms on lung cancer susceptibility and effect on platinum-based chemotherapy-induced toxicity in Bangladeshi lung cancer patients. *J Cancer Epidemiol*. 2024, 9194714

6. Islam MA, Mubashshira S, Rahman MM, **Kabir Y** (2024). Contribution of ERCC2 rs13181 and rs1799793 polymorphisms to the risk of bladder cancer in Bangladesh. *Cancer Genet*. 288-289, 126-132.

7. Nayeem J, Islam MMT, Deeba F, Selim S, Ali L, **Kabir Y** (2024) Insulin resistance and insulin secretory defect among Bangalee PCOS women: a case-control study. *BMC Endocrine Disorders* 24, 207.

8. Ayub A, Hasan MK, Mahmud Z, Hossain MS, **Kabir Y** (2024). Dissecting the multifaceted roles of autophagy in cancer initiation, growth, and metastasis: from molecular mechanisms to therapeutic applications. *Med Oncol.* 41, 183. https://doi.org/10.1007/s12032-024-02417-2.

9. Nafisa A, Islam MA, Hossain MM, **Kabir Y** (2024). XRCC1 and XPD polymorphisms: Clinical outcomes and risk of prostate cancer in Bangladeshi population. *Mol Biol Rep.* 51: 893. doi.org/10.1007/s11033-024-09707-y.

10. Bappy SS, Ahasan A, Sultana S, Khanam R, Shibly AZ, **Kabir Y** (2024). Virus-induced host cell metabolic alteration. *Rev Med Virol.* 34(1): e2505. https://doi.org/10.1002/rmv.2505.

11. Rahman MM, Nawfal T, Khabir FA, Hosen MB, Washif M, **Kabir Y**, Howlader MZH (2023). Impact of Vitamin D binding protein (GC) and vitamin D receptor (VDR) gene polymorphism on the risk of developing preeclampsia. *Biochem Biophys Rep*. 25: 101526.

12. Nairuz T, Mahmud Z, Manik RK, **Kabir Y** (2023). Cancer stem cells: an insight into the development of metastatic tumors and therapy resistance. *Stem Cell Rev and Rep.* 19(6): 1577-1595. https://doi.org/10.1007/s12015-023-10529-x.

13. Nessa A, Rahman MM, Rahman MT, **Kabir Y** (2023). Association of NAT2, GSTT1, and GSTM1 gene polymorphisms with prostate cancer risk in Bangladeshi population. Gene 868:147368. doi: 10.1016/j.gene.2023.147368.

14. Tasdika TE, Choudhury N, Hossain QMI, **Kabir Y** (2022). Association of glutathione S-transferase M1 and T1 polymorphisms on the susceptibility of diabetic retinopathy in the Bangladeshi population. *J Diabetes Metab Disord*.22, 325-332. https://doi.org/10.1007/s40200-022-01142-9.

15. Nesa A, Rahman TM, **Kabir Y** (2022). Assessment of lipid peroxidation and antioxidant status in a sample of prostate cancer patients of Bangladeshi population. *Bangladesh Medical Res Counc Bull* 48(1), 22-26.

16. Al Mamun NMA, Quyyum SA, Bashar K, **Kabir Y**, Rahman M, Islam MMT (2022). Comparison of different blood biomarkers of cervical cancer patients with control subjects. *J Bangladesh Acad Sci*. 46(1); 117-128:

17. Mahmud Z, Rahman A, Mishu ID, **Kabir Y** (2022). Mechanistic insights into the interplays between neutrophils and other immune cells in cancer development and progression. *Cancer and Metastasis Rev. 41, 405-432*. https://doi.org/10.1007/s10555-022-10024-8.

18. Mohiuddin M, Rokeya B, Al-Shoeb MA, **Kabir Y** (2022). Sodium benzoate in locally available soft drinks and its effect on DNA damage and liver function in rats. *Dhaka Univ J Biol Sci* 30(3), 371-383.

19. Nairuz T, Bushra MU, **Kabir Y** (2021). Effect of XPD and TP53 polymorphisms on the risk of platinum-based chemotherapy induced toxicity in Bangladeshi lung cancer patients. *Asian Pac J Cancer Prev* 22(12), 3809-3815. doi: 10.31557/APJCP.2021.22.12.3809

20. Hosen MB, Khaleque N, Chakrabarty S, Mahtab MA, **Kabir Y** (2021). MDM2 (T309G) gene polymorphism determines the susceptibility of hepatocellular carcinoma in Bangladesh. *Asian Pac J Cancer Biol* 6(3), 213-217. DOI 10.31557/APJCB.2021.6.3.213-217

21. Chatterjee D, Chowdhury UF, Shohan MUS, Mohasin M, **Kabir Y** (2021). *In-silico* predictions of deleterious SNPs in Human ephrin type-A receptor 3 (EPHA3) gene. *Inform Med Unlocked*, 26, 100728.

22. Shawon J, Rahman MM, Nahar Z, **Kabir Y** (2021). Glutathione S -transferase (*M1* and *T1*) and Angiotensin-converting enzyme gene polymorphisms and chronic kidney disease in Bangladeshi population. *Meta Gene* 30, 100981. DOI:10.1016/j.mgene.2021.100981

23. Sultana T, Akter A, Zohra FT, Rahman MQ, **Kabir Y** (2021). Serum zinc and vitamin E levels in Bangladeshi acne patients. *J Bangladesh Acad Sci.* 45(1), 49-58.

24. Hasan MK, Ara I, Mondal MSA, **Kabir Y** (2021) Phytochemistry, pharmacological activity, and potential health benefits of *Glycyrrhiza glabra. Heliyon* 7, e07240.

25. Alauddin M, Sultana A, **Kabir Y** (2021). Potential of Nutraceutical in Preventing the Risk of Cancer and Metabolic Syndrome: From the Perspective of Nutritional Genomics. *Cancer Plus* 3(2), 12-27. DOI:10.18063/cp.v3i2.291

26. Bappy SS, Shibly AZ, Sultana S, Mohiuddin AKM, **Kabir Y** (2021). Designing potential siRNA molecule for the nucleocapsid (N) gene silencing of different SARS-CoV-2 strains of Bangladesh: Computational approach. *Comput Biol Chem* 92, 107486. doi:https://doi.org/10.1016/j.compbiolchem. 2021.

27. Sonia JA, Kabir T, Islam MMT, **Kabir Y** (2021). Catechol-O-methyltransferase and dopamine receptor D4 gene variants: possible association with substance abuse in Bangladeshi male. *PLoS ONE* 16(2): e0246462. https://doi.org/10.1371/journal.pone.0246462.

28. Hosen MB, Rahman MM, Zakir MZH, **Kabir Y** (2021). Assessment of angiotensin converting enzyme gene polymorphism in preeclampsia mothers of Bangladesh. *J Obstet Gynaecol* 41(7), 1032-1035.

29. Rahman MM, Miah S, Tamanna S, Hosen MB, Akter T, Johra TH, **Kabir Y**, Howlader MZH (2020). Association of maternal vitamin D with neonatal vitamin D status and birth weight in urban population of Bangladesh: A cross sectional study. *Acta Sci Paediatr* 3(12), 19-26.

30. Siddiquee MA, Buffo RA, Chowdhury NH, **Kabir Y** (2020). Nutrient content of traditional and high-yielding varieties of rice grown in Bangladesh. *Ann Food Sci. Tech* (21(3), 614-622.

31. Sanyal M, Gomes RR, **Kabir Y**, Chakraborty S (2020). Patient risk stratification and demographic profile based on serum vitamin-D levels: A cross-sectional observational study. *J Intern Med.* 3(2), 04-11.

32. **Kabir Y**, Akasaka-Hashimoto Y, Kubota K, Komai M (2020). Volatile compounds of black cumin (*Nigella sativa* L.) seeds cultivated in Bangladesh and India. *Heliyon* 6, e05343 (6 pages).

33. Nessa MU, Rahman MA, **Kabir Y** (2020). Plant-produced monoclonal antibody as immunotherapy for cancer. *Biomed Res Int.* 2020: Article ID 3038564, 10 pages. https://doi.org/10.1155/ 2020/ 3038564.

34. Nairuz T, Rahman MM, Bushra MU, **Kabir Y** (2020). TP53 Arg72Pro and XPD Lys751Gln gene polymorphisms and risk of lung cancer in Bangladeshi patients. *Asian Pacific J Cancer Prev* 21(7), 2091-2098.

35. Jannaty T, Raknuzzaman M, Masum ASMHA, Ara KJ, Ahmed MA, **Kabir Y** (2020). Nutrients composition in selected key foods of animal origin of Bangladesh. *Eur J Phar Med Res* 7(5), 42-51.

36. Tamanna N, **Kabir Y** (2020). Solid waste exposure effects on serum minerals, antioxidant vitamins and oxidative stress among waste pickers of Dhaka, Bangladesh. *Pharm Biosci J* 8(4), 16-20.

37. Hosen MB, Hasan MM, Hossain D, Rahman MM, Khanam J, Akter A, **Kabir Y**, Howlader MZH (2020). Association of angiotensin-converting enzyme and nitric oxide synthase genes polymorphisms with the risk of myocardial infarction in Bangladesh. *J Expt Clin Med* 37(4), 127-134.

38. Hosen MB, Abdullah ATM, Zakir MZH, **Kabir Y** (2020). Dietary exposure of heavy metals, minerals and trace elements through cereals commonly consumed by Dhaka city residents. *Curr Nutr Food Sci* 16 (5), 815-823.

39. Chakraborty S, Chakravorty R, Alam S, **Kabir Y**, Mahtab M, Islam MA, Yusuf MAK, Raihan R, Mahtab MA, Akbar SMF (2019). A dynamic mathematical modeling revelation about the impact of vaccination on hepatitis B virus-induced infection and death rate in Bangladesh. *Euroasian J Hepato-Gastroenterol* 92, 84-90.

40. Islam J, **Kabir Y** (2019). Measurement of DNA damage in bladder cancer patients by the alkaline comet assay. *Ann Urol Oncol* 2(2), 15-21.

41. Sultana T, Bin Manjur OH, Omar Md, **Kabir Y** (2019). HIV Landscape in Bangladesh and a comparison to the global context. *Int J AIDS Res* 6(2), 189-195.

42. **Kabir Y**, Shirakawa H, Komai M (2019). Nutritional composition of indigenous cultivar of black cumin seeds from Bangladesh. *Progress in Nutri* 21 (Suppl. 1), 428-434.

43. Akther L, Rahman MM, Bhuiyan MES, Hosen MB, **Kabir Y** (2019). Association of Glutathione S-transferase theta 1 (GSTT1) and Glutathione S-transferase mu 1 (GSTM1) gene polymorphism with the risk of preeclampsia during pregnancy in Bangladesh. *J Obstet Gynaecol Res* 45(1), 113-118.

44. Rahman MM, Hosen MB, Howlader MZH, **Kabir Y** (2019). Lead molecule prediction and characterization for designing MERS-CoV 3C-like protease inhibitors: an in silico approach. *Curr Computer-Aided Drug Design* 15(1), 82-88.

45. Hasan MM, Hosen MB, Rahman MM, Howlader MZH, **Kabir Y** (2019). Association of ATP Binding Cassette Transporter 1 (ABCA 1) Gene Polymorphism with Type 2 Diabetes mellitus (T2DM) in Bangladeshi Population. *Gene* 688, 151-154.

46. Ahmed SM, Alam MJ, Khanam A, Rashid M, Islam S, **Kabir Y**, Raqib R, Steinhoff MC (2018). Vitamin A supplementation during pregnancy enhances pandemic H1N1 vaccine response in mothers, but enhancement of transplacental antibody transfer may depend on when mothers are vaccinated during pregnancy. *J Nutr* 148(12), 1968-1975.

47. Bhowmik A, Mossihuzzaman M, **Kabir Y**, Rokeya B (2018). Antihyperglycemic activity of Swertia chirata on nSTZ-T2DM rats: A chronic study. *J Pharmaceut Res Intl* 22(5): 1-11, 2018; Article no. JPRI.41878.

48. Hosen MB, Zubayer A, **Kabir Y**, Howlader MZH (2018). Rate of DNA damage in Bangladeshi preeclampsia patients. *Biojournal Sci Technol* 6, m180002.

49. Rahman MM, Hosen MB, Faruk MO, Hasan MM, **Kabir Y**, Howlader MZH (2017). Association of vitamin D and vitamin D binding protein gene polymorphism with type 2 diabetes mellitus in Bangladesh. *Gene* 636, 42-47.

50. Siddiquee MA, Jahan S, **Kabir Y**, Shozib HB (2017). BRRI Dhan31 generate elevated level of bioactive component, γ-aminobutyric acid (GABA) at pre-germinated brown rice condition. *Int J Scientific Res* 6(7), 4-6.

51. Jahan I, Ahammad RU, Farzana KS, Khalid MM, Islam MB, Rahman MI, Nahar S, **Kabir Y**, Mohmmad QD, Islam Z (2017). Tumor nacrosis factor-alpha-863C/A polymorphism is associated with Guillain–Barre´ syndrome in Bangladesh. *J Neuroimmunol* 310, 46-50.

52. Rabbani MAG, Howlader MZH, **Kabir Y** (2017). Detection of multidrug resistant (MDR) bacteria in untreated waste water disposals of hospitals in Dhaka city, Bangladesh. *J Global Antimicrob Resist*. 10, 120-125.

53. Zafar TA, **Kabir Y** (2017). Chickpeas suppress postprandial blood glucose concentration and appetite and reduce energy intake at the next meal. *J Food Sci Technol* 54(4), 987-994.

54. Rakib M, Siddiquee MA, **Kabir Y** (2016). Combined effect of cadmium, chromium and lead upon accumulation of heavy metals in rice (oryza sativa L.) plant. *J Biodivers Conserv Bioresour Manag* 2(2), 13-19.

55. Sha FR, M. Moyen Uddin PK, Sarkar MKI, Talukder RI, Siddique AH, Nahar K, Saiedullah M, **Kabir Y** (2016). Hepatitis B vireamia in hepatitis B surface antigenemic patients in Bangladesh. *Am J Biomed Sci* 8(4), 288-296.

56. Bhowmik A, Mossihuzzaman M, **Kabir Y**, Rokeya B (2016). Glycemic, insulinemic, lipidemic and antioxidant status of nSTZ rats after chronic administration of Cicer arietinum extract. *Metabolomics (Los Angel)* 6: 179.

57. Ahmad SM, Alam J, Afsar NA, Huda N, **Kabir Y**, Qadri F, Raqib R, Stephensen CB (2016). Comparisons of the effect of naturally acquired maternal pertussis antibodies and antenatal vaccination induced maternal tetanus antibodies on infant's antibody secreting lymphocyte responses and circulating plasma antibody levels. *Hum Vaccines Immunother* 12(4), 886-893.

58. Moyen Uddin PK, Alam SAA, Nisa MJ, Rahman MT, Eamen S, Islam MS, **Kabir Y**, Mannan MA (2016). Comparison of body mass index in the evaluation of overall obesity in Finnish and Bangladeshi undergraduate students aged 18-35 years: a pilot study. *Intl J Med Sci Public Health* 5(8), 1439-1446.

59. Ahmad SM, Hossain MB, Monirujjaman M, Islam S, Huda MN, **Kabir Y**, Raqib R, Lönnerdal BL. (2016). Maternal zinc supplementation improves hepatitis B antibody responses in infants but decreases plasma zinc level. *Eur J Nutr* 55(5), 1823-1829.

60. Taniya AJ, **Kabir Y**, Hoque MM (2016). Occurrence of emerging food borne pathogens in fast foods and its control by essential oils (EOs). *J Biodivers Conserv Bioresour Manag* 2(1), 19-28.

61. Moyen Uddin Pk, Roy T, Jabunnisa M, Islam MS, **Kabir Y**, Rahman MM, Absar N (2015). Scattering of Rubella IgG titer in cytomegalovirus IgG sero-positive adult women in Bangladesh. *Curr Res Virology* 4(1), 12-15. https://doi.org/10.3844/ajvsp.2015.12.15

62. Haque MM, **Kabir Y** (2015). Is diabetes increasing among ethnic people? *EC Diabetes Metab Res* 1.1, 1.

63. Moyen Uddin PK, Halim A, **Kabir Y** (2015). Risk factors of being acute hepatitis B surface antigenemia in Bangladeshi adult patients. *Am J Innov Res Appl Sci* 1(8), 274-279.

64. Hosen MB, Islam MR, Begum F, **Kabir Y**, Howlader MZH (2015). Oxidative stress induced sperm DNA damage, a possible reason for male infertility. *Iran J Reprod Med* 13(9), 525-532.

65. Hosen MB, Salam MA, Islam MF, Hossain A, Howlader MZH, **Kabir Y** (2015). Association of p53 gene polymorphisms with susceptibility of bladder cancer in Bangladeshi population. *Tumor Biology* 36(8), 6369-6374.

66. Ahmad SM**,** Hossain MI**,** Bergman P**, Kabir Y**, Raqib R (2015)**.** The effect of postpartum vitamin A supplementation on breast milk immune regulators and infant immune functions: study protocol of a randomized, controlled trial**.** *Trials* 16, 129.

67. Hosen MB, Rabby MA, **Kabir Y**, Howlader MZH (2015). Oxidative stress and preeclampsia: during pregnancy and after delivery. *Am J Pharm Health Res* 3(2), 121-129.

68. Rabby A, Rasel AM, Islam TMM, **Kabir Y**, Islam MR (2015). Identifying antibiotics posing potential health risk: Microbial resistance scenario in Bangladesh. *Int J Med Health Sci* 4(1), 90-97.

69. Hosen MB, Islam J, Salam MA, Islam MF, Howlader MZH, **Kabir Y** (2015). N-acetyltransferase 2 gene polymorphism as a biomarker for susceptibility to bladder cancer in Bangladeshi population. *Asia-Pac J Clin Oncol* 11, 78-84.

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Edited Books

1. Biochemistry and Molecular Biology: In Quest of Education and Innovative Research for Better Tomorrow. **Kabir Y** (ed.). Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh.
2. *Functional Foods in Cancer Prevention and Therapy.* **Kabir Y** (ed.). Academic Press, Elsevier Inc. USA, 2020.
3. *Exploring the Nutrition and Health Benefits of Functional Foods*. Shekhar HU, Hawlader MZH, **Kabir Y** (eds.). IGI Global Publication, Hershey, PA, USA, 2017.

Lead Guest Editor: Special Issue of a Journal

- BioMed Research International: Pharmaceutics. Special issue series titled "Plant-Derived Anticancer Agents as an Option for Cancer Treatment 2021". Hindawi, 2021.
- BioMed Research International: Pharmaceutics. Titled "Plant-Derived Drugs as an Alternative Therapeutic Option for Cancer Treatment". Hindawi, 2020.

Guest Associate Editor: Special Issue of a Journal

- Frontiers in Oncology: Stimulating effects of bioactive food components on immune responses to fight cancer. Frontiers, 2023.

Thesis

Kabir Y. (1990). *The Physiological Role of Octacosanol and its Biodistribution and Metabolism in Rats*. Ph.D. Thesis, Faculty of Agriculture, Tohoku University, Japan.

Kabir Y. (1983). *Biochemical Studies on Neurolathyrism and Protective Role of Vitamin C*. M.Sc. Thesis, Department of Biochemistry and Molecular Biology, University of Dhaka, Dhaka, Bangladesh.

Other Publication Activities

Written a number of popular scientific articles of general interest on **Health and Nutrition** in various Bengali and English daily News Papers to create awareness among the population.

(Yearul Kabir)