

Curriculum Vieta

Personal Information



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Place of Birth: Thakurgong, Bangladesh | Date of Births: August 17, 1960

Nationality: Bangladeshi

Education

1991

PhD in Nutritional Biochemistry

School of Medicine, Kumamoto University (Japan).

Thesis title: *Biochemical Demonstration of Endocytosis and Subsequent Resecretion of High Density Lipoprotein by Rat Peritoneal Macrophages.*

1985

(of 1981 session)

MSc in Biochemistry

University of Dhaka (Bangladesh).

Thesis title: *Studies on Immune Response in Vitamin C Deficient Guineapigs.*

1982

(of 1980 session)

BSc in Biochemistry (Honors)

University of Dhaka (Bangladesh).

Post Doc. Training

2014

Purification, Identification and Evaluation of Anti-hyperlipidemic Compounds in Agricultural Products

National Food Research Institute, Tsukuba, Japan.

2005

Production and Use of Food Composition Data in Nutrition

Wageningen University, the Netherlands.

2001

Meeting the Challenges in Global Nutrition Using Information Technology

Uppsala University, Sweden.

2001

Nutrition of Fitness-Excellence in Performance

Indian Institute of Technology, Bombay, India.

1995

Epidemiological Approach to Reproductive Health

Bangladesh Institute of Research for Promotion of Essential & Reproductive Health and Technologies (BIRPERHT), Dhaka, Bangladesh.

Award, Scholarship, & Fellowship

2015	The 'INFOOD Success Story Award 2015' from FAO for the remarkable contribution in updating the 'Food Composition Table in Bangladesh' Ref: http://www.fao.org/bangladesh/news/detail-events/en/c/342736/ .
2015	The 'United Nation University (UNU)-Kirin Fellowship 2014-2015'.
2005	The 'United Nation University (UNU) Fellowship 2005'.
2001	The 'Swedish International Development Agency (SIDA) Fellowship 2001'.
1996	The 'MONBUSHO (Ministry of Education, Govt. of Japan) Research Scholarship 1986.
1973-1981	School, undergraduate, and graduate university studentship merit awards.

Employment History

2008 – till date	Professor Institute of Nutrition and Food Science , University of Dhaka, Bangladesh.
1996 – 2008	Lecturer, Assistant Professor, and Associate Professor Institute of Nutrition and Food Science , University of Dhaka, Bangladesh.
1985 – 1996	Research Associate Institute of Nutrition and Food Science , University of Dhaka, Bangladesh.
1986 – 1987	Research Fellow Dept. of Biochemistry, School of Medicine, Kumamoto University, Japan

Professional Experiences

- Honorary Professor, Dept. Community Nutrition
Bangladesh University of Health Sciences (BUHS), Mirpur, Dhaka, Bangladesh (*in situ*).
- House Tutor
Sir Salimullah Muslim Hall, University of Dhaka, Bangladesh for 10 years.
- Academic Council Member, University of Dhaka, Bangladesh (*in situ*)
- Member, Board of Governors, Institute of Nutrition and Food Science, DU (*in situ*).
- Member, C&D Committee, Institute of Nutrition and Food Science, DU (*in situ*).
- Team Leader, Self Assessment Entity-INFS, Institutional Quality Assurance Cell (IQAC) Higher Education Quality Enhancement Project (HEQEP) by UGC & World Bank. University of Dhaka for 2 years.
- Chairman, Cereals and Pulses Sub-committee, BSTI, GoB (*in situ* since 2016).
- Executive Committee Member, Bangladesh Medical Research Council (BMRC) for 4 years

- Expert Member, Bangladesh Food Safety Authority (BFSA) for 1 year.
- Executive Editor, Bangladesh Journal of Nutrition for 5 years.
- Training Consultant, Training programme of field investigators and monitoring of data collection under Universal Salt Iodization Project 1999-2001 by INFS, DU.
- Training Consultant, Training programme of field investigators and monitoring of data collection under National IDD Survey 1998-2001 Project by INFS, DU.
- Committee Chairman, MPhil and PhD syllabus review committee for 1 year.
- Conducted field courses/field trips for INFS students in Community Nutrition programmes in different parts of the country specially Char & Slum areas.
- Participated in various meetings with donor agencies viz., WFC, FAO, HKI, CIDA, etc.
- Expert reviewer of UGC, BBS, PSC, etc. for various paper/report/project evaluation.
- Reviewer of several national and international journals.

Research Grants & Project Consultancy

2021	PKSF, Palli Karma-Sahayak Foundation 2021 (Jul 21- Jun 22); Nutrition Consultant Topic: Baseline Survey of Pathways to Prosperity for Extremely Poor People (PPEPP) Project
2021	FAO-CIRDAP Research Project 2021 (Mar15 -May 31); CoPI Topic: A review of agricultural and non-agricultural real income for investigating Food and Nutrition Security Policy in Bangladesh
2020	FAO-BAU Research Project 2020 (Jan 2020 – June 2021); CoPI Topic: Linkages between Women’s Empowerment, Children’s Diet and Nutrition under Rapid Urbanization in Bangladesh
2016	UNU-Kirin Follow-up Research Grant (ICA No.611UU-872); PI Topic: Screening, Quantification and Property Analysis of Bangladeshi Indigenous Cereals for Bioactive Phenolics’ (Reported, 2017).
2016	Solidaridad Study 2016; Nutrition Consultant Topic: Understanding Stunting and the Common Characteristics of Households with a Stunted Child (November, 2016). Solidaridad, Available at SSRN: https://www.solidaridadnetwork.org/publications
2012	GoB Research Grant (Special Allocation for Science and Technology, MOSICT); PI Topic: A Study of Selected DF Rich Cereal and Grain Products on Glycemic, Insulinemic, and NEFA Index’ (Reported, 2013).
2012	UGC Research Grant 2012; PI Topic: Anti-oxidant nutrient density of local foods: Content of vitamin C in selected fruits and vegetables (Reported, 2013).
2011	FAO-DU Research Project 2011; CoPI Topic: ‘Food Composition Tables for Bangladesh’ (Reported, 2012).
2010	Islamic Relief Worldwide Grant 2010 to SRDS; Nutrition Consultant

2009 Topic: Baseline Study on Nutritional Status of under Five Children of Unregistered Rohingya Camp and Host Communities [conducted by Society for Research and Development Steps (SRDS)] (Reported, 2010).

World Fish Centre, (Bd) Research Project 2009; PI

Topic: Impact of aquaculture related activities on food and nutrition situation of the *Adivasi* (indigenous) people in northern and northwestern Bangladesh (Reported, 2010).

PhD, MPhil, and MSc thesis supervision

- Supervising 3 PhD students
- Supervised 6 MPhil students and currently supervising 6 students
- Supervised >60 MSc thesis students

International Conferences

- Keynote Presentation, International Conference on Scientation and Technology for Celebrating the Birth Centenary of Bangabandhu, March 12, 2021, Dhaka, Bangladesh
- Invited Session Speaker, 61th Annual Meeting of the Japanese Society for Food Science and Technology, 28 August, 2014, Fukuoka, Japan.
- 9th International Symposium on Aquatic Weeds, September 12-16, 1994, Dublin, Ireland.
- 31st International Conference on the Biochemistry of Lipids, September 4-7, 1990, Munster, FR Germany.
- 2nd International Conference on Atherosclerosis, October 12, 1989, (Poster Session), Towada, Japan.
- 8th International Symposium on Atherosclerosis, October 9-13, 1988 (Poster Session), Rome, Italy.
- 4th International Kupffer Cell Symposium, September 25-29, 1988, Titise, FR Germany.

Publications

Books & Book Chapters

1. Shaheen N, **Rahim ATMA**, Mohiduzzaman M, Banu CP, Bari ML, Tukun AB, Mannan MA, Bhattacharjee L, and Stadlmayr B. *Food Composition Table for Bangladesh*. 1st Edn., June 2013, University of Dhaka, Dhaka-1000, Bangladesh.
2. Mamun AA, Sarwar H, Bhuyan AH, and **Rahim ATMA**. *Impact of Micro Credit on Food Consumption and Nutritional Status of Selected Rural Poor*. 1st Edn., 2003, Bangladesh Academy for Rural Development (BARD), Kotbari, Comilla, Bangladesh
3. Horiuchi S, Takata K, **Rahim ATMA**, Miyazaki A, Araki N and Morino Y. *Lipoprotein receptor of sinusoidal liver cells*. In "Cells of the Hepatic Sinusoid 1989" vol 2, p 99-104 (Wisse E, Knook D & Decker K Ed). Kupffer Cell Foundation, Netherlands, 1989.

1. Rupa AZ and **Rahim ATMA** (2022). Ethnographic survey on cereal and pseudocereal in Bangladesh perspective. *Food Res.* (Accepted).
2. Shaheen N, Tukuna AB, **Rahim ATMA**, Mohiduzzaman M, Islam S, Stadlmayr B, Bhattacharjee L, and Longvahe T (2022). Development of a new food composition table: An updated tool for estimating nutrient intake in Bangladeshi population. *Food Chemistry* 395 (2022) 133544. <https://doi.org/10.1016/j.foodchem.2022.133544>.
3. Mahmood S, Kawser M, Akther S, and **Rahim ATMA**. Effectors of income-child health gradient: Role of dietary diversity on child nutritional status in selected slums of Dhaka city. *J Bangladesh Acad Sci* 2021; 45(1): 85-94.
4. Khan IN, Akhter KT, Nandi R, Hasan SMA, **Rahim ATMA**, Bhattacharjee L, and Shaheen N. Dietary intake pattern of lactating mother and under five children in selected districts of southern Bangladesh. *Bangladesh J Nutr* 2018; 28-31:26-31.
5. Rashid R, Dilruba NN, and **Rahim AMTA**. Urban diabetes: a cross-sectional study in a ward of Dhaka metropolitan city. *Bangladesh J Nutr* 2018; 28-31:47-53.
6. Mina M, **Rahim ATMA**, Haque MN, and Md. Khan MSH. Proximate and Water Soluble Vitamin Contents in Some Selected Bangladeshi Fruits and Vegetables. *J Sci Res Rep* 2016; 119(6):1-8. Article no. JSRR. 28541; doi: 10.9734/JSRR/2016/28541
7. Shaheen N, Ahmed MK, Islam MS, Habibullah-Al-Mamun M, Tukun AB, Islam S, and **Rahim ATMA**. Health risk assessment of trace elements via dietary intake of 'non-piscine protein source' foodstuffs (meat, milk and egg) in Bangladesh. *Environ Sci Pollut Res* 2016; 23:7794-7806. doi:10.1007/s11356-015-6013-2
8. **Rahim ATMA**, Takahashi Y, and Kohji Y. Mode of pancreatic lipase inhibition activity in vitro by some flavonoids and non-flavonoid polyphenols. *Food Res Int* 2015; 75: 289-94. doi: 10.1016/j.foodres.2015.05.017
9. Bhuiyan FR and **Rahim ATMA**. Consumer's Sensory Perception of Food Attributes: A Survey on Flavor. *J Food Nutr Sci (Special Issue: Food Processing and Food Quality)* 2015; 3(1-2): 157-60. doi: 10.11648/j.jfns.s.2015030102.40
10. Shaheen N, **Rahim ATMA**, Mohiduzzaman M, Tukun AB, Islam S, and Ahmed K. Heavy metals content of selected key foods in Bangladesh. *The FASEB Journal*, 2013; 27:lb253-lb253.
11. Mamun MAA, Ara R, Shekhar HU, **Rahim ATMA**, and Bari ML. Effect of cooking on selected nutritional and functional properties of red amaranths. *Agric Food Anal Bacteriol* 2012; 2(4): 291-296.
12. Rahman F, Fatema K, **Rahim ATMA**, and Ali L. Glucose, Insulin and Non-Esterified Fatty Acid Responses to Ladies Finger and Pointed Gourd in type 2 Diabetes Mellitus. *Asian J Clin Nutr* 2011; 3(1): 25-32.
13. Islam MS, Rahman SMM, Jerin I, and **Rahim ATMA**. Estimation of the Total Sugar and Total Dietary Fiber in Bangladeshi Cook Foods Prepared by Customary Cooking Process. *Dhaka Univ J Sci* 2009; 57(1): 33-37.
14. **Rahim ATMA**, Moushumi S, and Khan N. Consumption Behaviour and Nutrient Quality of Fast Foods: Development of a Healthy Eating Index for Bangladeshi Consumers. *South Asian J Population Health* 2008; 1(2): 137-47.

15. **Rahim ATMA.** A Survey on Nutrition Knowledge of Practicing Physicians in Selected Urban Areas of Bangladesh. *South Asian J Population Health* 2008; 1(1): 53-61.
16. **Rahim ATMA, Jerin I, and Rahman SMM.** Total Dietary Fiber Content and Retention Factors of Bangladeshi Foods Prepared by Customary Cooking Process. *Dhaka Univ J Biol Sci* 2008; 17(1): 9-16. 2008
17. Meher-un-Nessa, **Rahim ATMA,** and Kabir Y. Fatty Acid Profile of Fast Foods and Traditional Snack Foods of Bangladesh. *Khulna Univ. Studies* 2008; 9(1): 85-90.
18. Rashid R, **Rahim ATMA,** Fatema K, Ahmed S, and Ali L. Glycemic, NEFA and Insulinemic Responses to Molasses Based and Sucrose Based Cakes (Pithas) in Type 2 Diabetic Subjects. *Bangladesh J Nutr* 2007-08; 20-21:41-49.
19. **Rahim ATMA** and Choudhury R. Perceived Role of Dietary Fiber in Healthy Diet and its Intake Pattern among Educated Urban Population. *Bangladesh J Nutr* 2006; 18-19: 61- 68.
20. **Rahim ATMA,** Akter S, and Ahmed N. Enzymatic-Gravimetric Estimation of the Content and Composition of Insoluble Dietary Fiber in Selected Cereals, Pulses, and Starchy Roots and Tubers. *Bangladesh J Nutr* 2006; 18-19: 69-75.
21. Rahman SMM, Nadia M, and **Rahim ATMA.** Sugar Composition of Low Molecular Weight Carbohydrate and Dietary Fiber of Some Bangladeshi Fruits. *Bangladesh J Nutr* 2004; 17: 37-42.
22. Meher-un-Nessa, **Rahim ATMA,** Shaheen N and Kabir Y. Commercial fast food and traditional snack food of Bangladesh: I. Content of cholesterol and triacylglycerol. *Bangladesh J Nutr* 2002; 15: 69-77.
23. **Rahim ATMA,** Islam M, Gulshan Ara, Meher-un-Nessa, and Shaheen N. Commercial fast food and traditional snack food of Bangladesh: II. Content of proximate nutrients, sodium, potassium, dietary fiber and energy. *Bangladesh J Nutr* 2002; 15: 79-89.
24. Huq F, Fatema K and **Rahim ATMA.** Content and composition of dietary fiber in some Bangladeshi vegetables. *Diab Endocr J* 2001; 29(2): 61-66.
25. **Rahim ATMA,** Aziz F, Shaheen S, and Bhuyan MAH. Perception and preference of fast food and traditional snack food by selected urban population. *Bangladesh J Physiol Pharmacol* 2001; 17(2): 58-62.
26. **Rahim ATMA,** Rayhan QA and Ahmed F. Analysis of nutrient content and quality evaluation of grafted tomato grown over wild eggplant *S. sisymbirifolium*, by a novel grafting technique. *Bangladesh J Nutr* 1999; 12(1-2): 33-40.
27. **Rahim ATMA** and Sheikh MDH. Assessment of working children of some selected areas for formulating a nonformal education programme. *Teacher's World* 1997; 17-20: 27-31.
28. **Rahim ATMA,** Islam QR, Jesmin T and Rahman M. Proximate composition and nutritional potential of the aquatic plant food *Aponogeton undulatus* Roxb. (Ghechu). *Dhaka University J Biol Sci* 1996; 5(2): 179-83.
29. Khan MAR, Begum ZNT, **Rahim ATMA,** and Salamatullah Q. A comparative study on the proximate composition and mineral contents of three freshwater green algae. *Bangladesh J Bot* 1996; 25(2): 189-96.
30. **Rahim ATMA** and Bhuyan MAH. Students' perception towards the fattening and dieting foods. *J Asiat Soc Bangladesh, Sci* 1995; 21(2): 233-41.

31. **Rahim ATMA**, Mohiduzzaman Md., Islam N and Ahmed F. Inter-relationship between serum retinol and alpha-tocopherol levels in Dhaka University students. *Int J Food Scin Nutr* 1993; 44: 21-27.
32. **Miyazaki A, **Rahim ATMA**, Ohta T, Morino Y, and Horiuchi S. High density lipoprotein mediates selective reduction in cholesteryl esters from macrophage foam cells. *Biochim Biophys Acta* 1992; 1126(1): 73-80.
33. ****Rahim ATMA**, Miyazaki A, Morino Y and Horiuchi S. Biochemical demonstration of endocytosis and subsequent resecretion of High Density Lipoprotein by rat peritoneal macrophages. *Biochim Biophys Acta* 1991; 1082: 195-203.
34. **Miyazaki A, **Rahim ATMA**, Araki S, Morino Y and Horiuchi S. Chemical cross-linking alters high density lipoprotein to be recognized by a scavenger receptor in rat peritoneal macrophages. *Biochim Biophys Acta* 1991; 1082: 143-51.
35. **Ohta T, **Rahim ATMA**, Miyazaki A, Horiuchi S, Morino Y, and Matsuda I. The Effects of Subspecies of Apo A-I Containing Lipoproteins on Cholesterol Efflux from Macrophage Foam Cells. *Arteriosclerosis* 1990; 5:A808-A808
36. **Araki N, Horiuchi S, **Rahim ATMA**, Takata K and Morino Y. Micro-quantification of cholesterol and cholesteryl esters in rat peritoneal macrophages by reverse-phase high performance liquid chromatography. *Anal Biochem* 1990; 185: 339-45.
37. **Shinohara M, **Rahim ATMA**, Miyazaki A, Araki N, Motowaki S, Morino Y and Horiuchi S. Effect of cholesterol loading on the translocation of cholesterol between the intracellular pool and the cell surface pool. *Anal NY Acad Scin* 1990; 598: 558-9.
38. Choudhury CR, Mohiduzzaman Md., Ahmed K and **Rahim ATMA**. Serum zinc level and cell mediated immunity among patients with oral squamous cell carcinoma. *Bangladesh J Nutr* 1990; 10: 247-52.
39. **Takata K, Horiuchi S, **Rahim ATMA** and Morino Y. Receptor-mediated internalization of high density lipoprotein by rat sinusoidal liver cells: Identification of a nonlysosomal endocytic pathway by fluorescence-labelled ligand. *J Lipid Res* 1988; 29: 1117-26.
40. *Majumder MSI and **Rahim ATMA**. Cell-mediated immune response of scorbutic guineapigs. *Nutr Res* 1987; 7: 611-16.

* Article based on MSc thesis work; ** Article based on PhD thesis work.

Memberships

- Life member, Bangladesh Nutrition Society (BNS).
 - Life member, Bangladesh Society for Biochemistry and Molecular Biology (BSBMB).
 - Member, Bangladesh Dietetic Association.
 - Associate Member, Bangladesh Botanical Society
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References

Professor Dr. A AMS Arefin Siddique Chairman, Board of Trustees Bangladesh National Museum & Former Vice Chancellor, University of Dhaka Dhaka-1000, Bangladesh Tel : +880 1552348894; E-mail : aams.arefin@gmail.com	Professor Dr. Md. Nazmul Hasan Chairman, Islamic Bank Ltd., BD. & Former Director, Institute of Nutrition and Food Science, University of Dhaka Dhaka-1000, Bangladesh Tel : +880 1715107744 E-mail : nhassan@bangla.net
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Personal Information

- Full Certificate Name : Abu Torab Md. Abdur Rahim
 - SSC Examination 1975 : Dinajpur Municipal High School, Dinajpur-5200
 - HSC Examination 1977 : Dinajpur Govt. College, Dinajpur-5200
 - Marital Status : Married
 - Family Status : Father of two children
 - Mailing Address (Res.) : C/4, Shahid ANA Muniruzzaman Bhaban, Fuller Road
Dhaka University R/A, Dhaka-1000
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