

CURRICULUM VITAE

MD. ABDUS SAMAD, PhD

Designation : **Senior Most Professor**
Dept. of Applied Nutrition & Food Technology
Faculty of Biological Sciences
Islamic University, Kushtia-7003
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Faculty of Biological Sciences
Islamic University, Kushtia-7003, Bangladesh

President : **Islamic University Teachers and Officers Club**
Islamic University, Kushtia-7003
Bangladesh.

Ex-Dean : **Faculty of Biological Sciences**
(14-11-2020 to 13-11-20022) Islamic University, Kushtia-7003
Bangladesh.

Ex-Chairman : **Dept. of Applied Nutrition & Food Technology**
(04-11-2012 to 03-11-2015) Islamic University, Kushtia-7003
Bangladesh.

Acting Chairman : **Dept. of Applied Nutrition & Food Technology**
(20-10-2009 to 19-02-2010) Islamic University, Kushtia-7003
Bangladesh.

Co-ordinator: Islamic University Admission Test Committee (D-Unit)-2008 (for admission of undergraduate students for the BSc (Hons) academic session 2008-2009).

Co-ordinator: Islamic University Admission Test Committee (D-Unit)-2012 (for admission of undergraduate students for the BSc (Hons) academic session 2012-2013)

Co-ordinator: Masters in Nutritional Sciences and Food Technology (Evening program)
Dept. of Applied Nutrition and Food Technology, Islamic University, Kushtia-7003, Bangladesh.

Principal in Charge : Bogura Agriculture College, Bogura
(23-02-1998 to 30-04-1998)

Vice-president:

Biochemistry Student Association, Rajshahi University, Rajshahi, Bangladesh (1995-97)

Joint Convenor:

Oushud Shlpe Boishommo Birodhi Satrosongram Parishad (1996)

Organizer and Convener

First International Conference on *"Role of Nutrition in Health and Development"*

IU Campus, Kushtia, Bangladesh. May 6, 2017

Organizer and Convener

Training on *"Capacity building and Effective-learning"* of Academic Staffs of the department of Applied Nutrition and Food Technology. ANFT department, IU Campus, March 01-13, 2016.

Organizer and Convener

Workshop on "Academic and Administrative Skill Development" for the Academic and non academic staffs of Department of Applied Nutrition and Food Technology. ANFT conference room, IU Campus, February 02, 2016.

Organizer and Convener

First Islamic University-Nagasaki University Joint Symposium on "Role of Microbial Proteases in their own metabolism and Host Infection". IU Campus, Kushtia, Bangladesh. September 15, 2015.

Organizer and Convener

Workshop on "Curricula Improvement" for the department of Applied Nutrition and Food Technology. Islamic University (IU) Academic council conference room, IU Campus, May 31, 2015.

KEY INTERNATIONAL CONFERENCE SPEAKERS/PRESENTOR

1. **Samad*, MA.** Involvement of Host Protein B23 in the multiplication of Adenoviral Life Cycle. 1st Islamic University-Nagasaki University Joint Symposium on "Role of Microbial Proteases in their own metabolism and Host Infection. September 15, 2015. **IU Campus, Bangladesh.**
2. **Samad*, MA.,** and Nagata, K. B23/nucleophosmin, a multifunctional cellular protein involved in the dynamic regulation of viral chromatin. Conference of the Bangladesh Society for Biochemistry and Molecular Biology, 25-26 February, 2012; **Rajshahi University Campass, Bangladesh,**
3. **Samad*, MA** and Nagata, K. Involvement of B23/nucleophosmin, as a chaperone for adenovirus core proteins, in the dynamics of viral chromatin. ASBMB Special Symposia 2010 on 'Transcriptional regulation by chromatin and RNA polymerase II' Sep. 30- Oct. 4, 2010, Granlibakken Resort, Tahoe city, CA, **USA.**
4. **Samad*, MA,** Okuwaki, M., Haruki, H., and Nagata, K. Physical and functional interaction between B23/nucleophosmin, a nucleolar histone chaperone, and adenovirus core proteins. Cold spring harbor laboratory meeting on the mechanism of eukaryotic transcription, Aug 29 through Sep 2, 2007, NY, **USA.**
5. **Samad*, MA.,** Okuwaki, M. and Nagata, K. Function of B23 on Adenovirus Life Cycle. 20th IUBMB International Congress of Biochemistry and molecular Biology and 11th FAOBMB Congress; 5P-B-063,237, 2006, Kyoto, **Japan,**

World Bank and Government of Bangladesh Funded Mega Project
Implementation as Sub-Project Manager (SPM)

Sub-Project Title: Quality Enhancement of Teaching and Learning on Nutritional Science and Food Processing through Integration of Modern Technology.
Higher Education Quality Enhancement Project (HEQEP), CP-3338

Alternative Project Director

Project Title: Quantification of pesticides in harvested vegetables and fruits and find out the suitable process to reduce their load; Science Project: BS-83;
Ministry of Science and Technology, Government of Bangladesh.

Project Director

Project Title: Study of Antidiabetic Activity and Evaluation of Haemoglobin Glycosylation by α -Glucosidase from Herbal Plant Extract.
University Grant Commission Project through Islamic University. 2019-20

AWARDS

Gold Medel from Rajshahi University, Rajshahi, Bangladesh, for the brilliant result in B.Sc.(Hons).

FELLOWSHIP

JSPS (Japan Society for Promotion of Science) Post doc Fellow: NGATA Lab., Department of Infection Biology, Graduate School of Comprehensive Human Sciences, Institute of Basic Medical Sciences, University of Tsukuba, Japan. May, 2009- April, 2011.

Japan Government (Monbukagakusho: MEXT) Scholarship: MEXT (Ministry of Education, Culture, Sports, Science and Technology). During the period of Doctoral Degree (October, 2003 to March 2008).

University Grant Commission (UGC) Scholarship: During the study period of M.Sc. in University of Rajshahi, Rajshahi, Bangladesh for the brilliant result for the brilliant result of the B.Sc. (Hons) examination.

University Grant Commission (UGC) Scholarship: During the study period of B.Sc. (Hons) in University of Rajshahi, Rajshahi, Bangladesh for the brilliant result in H.S.C examination.

Society Member

American Society for Microbiology,
Bangladesh Society for Biochemistry and Molecular Biology,
Rajshahi University Biochemists Alumni Association

EDUCATIONS

Post Doc: Post Doctoral Research Certificate with awarded of JSPS (Japan Society for Promotion of Science) Fellowship: Laboratory of Virology and Molecular Biology, Department of Infection Biology, Graduate School of Comprehensive Human Sciences, Institute of Basic Medical Sciences, University of Tsukuba, Japan. May, 2009- April, 2011.

PhD: Doctoral degree in Medical Sciences (conferred on 25 March, 2008): Nagata Laboratory, Department of Infection Biology, Graduate School of Comprehensive Human Sciences and Institute of Basic Medical Sciences, University of Tsukuba, 305-8575, Japan.

Major: Doctoral program in Community and Environmental Medicine.

Non Degree research student (Kenkyosei): From October, 2003 to March, 2004: Nagata Laboratory, Graduate School of Infection Biology, Graduate School of Comprehensive Human Sciences and Institute of Basic Medical Sciences, University of Tsukuba, 305-8575, Japan.

M.Sc.: Masters of Science in Biochemistry (Thesis group) in 1993 (conferred May, 1998) and placed in the first class from the University of Rajshahi, Bangladesh.

Major courses: Human Nutrition & dietetics, Clinical Biochemistry, Endocrinology, Microbiology, Molecular Biology and Genetics, Immunology, Cell Physiology, Human Physiology, Biochemistry of specialized Tissues, Endocrinology, Microbiology, Protein chemistry, Enzyme Kinetics, Biomolecules, Bioenergetics, Biosynthetic pathways, and Biochemical techniques.

B.Sc. (Honors): Bachelor of Science (Honors) in Biochemistry in 1992 and placed in the first class from the University of Rajshahi, Bangladesh.

Major courses: Human Nutrition & Dietetics, Clinical Biochemistry, Immunology, Cell Physiology, Human Physiology, Biochemistry of specialized Tissues, Endocrinology, Microbiology, Protein chemistry, Molecular Biology and Genetics, Organic chemistry, Enzyme Kinetics, Biomolecules, Bioenergetics, Biosynthetic pathways, Biophysical chemistry, and Biochemical techniques.

H.S.C. (equivalent to A level): Higher Secondary Certificate (Science Group) in 1988 and placed in the first division from Rajshahi Education Board, Bangladesh.

S.S.C. (equivalent to O level): Secondary School Certificate (Science Group) in 1986 and placed in the first division from Rajshahi Education Board, Bangladesh.

JOB EXPERIENCES

September 7, 2012 to up-to-date

Professor

Dept. of Applied Nutrition & Food Technology
Faculty of Applied Science & Technology,
Islamic University, Kushtia-7003, Bangladesh.

May 11, 2011 to October 5, 2011

Associate Professor

Dept. of Applied Nutrition & Food Technology
Faculty of Applied Science & Technology,
Islamic University, Kushtia-7003, Bangladesh.

May 15, 2009 to May 10, 2011

Visiting Professors/researcher/

JSPS (Japan Society for Promotion of Science) Post doc Fellow

Virology and Molecular Biology Lab. (Nagata Lab)
Department of Infection Biology
Graduate School of Comprehensive Human Sciences
University of Tsukuba, Japan.

September 21, 2008 to May 14, 2009

Associate Professor

Dept. of Applied Nutrition & Food Technology
Faculty of Applied Science & Technology,
Islamic University, Kushtia-7003, Bangladesh.

March 26, to September 20, 2008

Assistant Professor

Dept. of Applied Nutrition & Food Technology
Faculty of Applied Science & Technology,
Islamic University, Kushtia-7003, Bangladesh.

October 1, 2003 to March 25, 2008

Ph.D. Research:

Nagata Laboratory, Department of infection Biology, Graduate School of Comprehensive Human Sciences and Institute of Basic Medical Sciences, University of Tsukuba, Japan.

May 21, 2001 to September 30, 2003

Assistant Professor

Dept. of Applied Nutrition & Food Technology
Faculty of Applied Science & Technology,
Islamic University, Kushtia-7003, Bangladesh.

April 4, 1999 to May 20, 2001

Lecturer

Dept. of Applied Nutrition & Food Technology
Faculty of Applied Science & Technology
Islamic University, Kushtia-7003, Bangladesh.

May 19, 1998 to April 03, 1999

Lecturer

Department. of Biochemistry
Bogura Agriculture College
Bogura
(later Banga Bandhu SK Mujib Agriculture College,
presently abolished)

MAJOR COURSES TAUGHT

Microbiology, Molecular Biology & Genetics, Research Methodology, Basic Nutrition, Basic Biochemistry, Clinical Biochemistry, Metabolism, Applied Nutrition and Dietetics, Community Nutrition and Public Health, Biostatistics.

MAJOR RESEARCH PUBLICATIONS

1. Alam, K., Sheikh,H., and **Samad, MA.** Clinical Effect of Poly Herbal Unani Formulation on Dyslipidemia-A Randomized Trial. *Turkish Journal of Agriculture-Food Science and Technology* (2023). **11 (10): 1892-1904**
2. Sheikh,H., Alam, K., and **Samad, MA.** Comprehensive Evaluation of the Clinical Efficacy of an Anti-Diabetic Polyherbal Formulation. *Turkish Journal of Agriculture- Food Science and Technology* (2023). **11 (10): 1905-1916**
3. Reza, HM*, Karim, MR., and **Samad, MA.** Comparison of socio-demographic and nutritional status between male and female diabeticsattending to District level diabetic center: Assessment by anthropometric measurement with special reference to socioeconomic status. *IOSR Journal of Nursing and Health Science (IOSR-JNHS)* 2320–1940 7,(4) 59-66,**2018**
4. Alam, MK., Nyeem, MAB., and **Samad, MA.** Effects of garlic on hyperlipidemia: A review. *Journal of Medicinal Plants Studies* 2018; 6(2): 44-48
5. Reza, HM., Karim, MR., and **Samad*, MA.** Socio-demographic characteristics, dietary habits and physical activity influence on nutritional status of the diabetics: a cross sectional study. *Asian J. Med. Biol. Res.* **4 (1), 2018.**
6. Islam,MM., Kamruzzaman,M., Islam,MS., Elahi,MT., Rahman,SS., Dipak K. Paul, DK., Md. A.Z. Chaudhury,MAZ., Rouf, SA.,and **Samad, MA.** Impact of Bread Made from Mix Cereals and Pulses on the Glycemic Profile in Type 2 Diabetic Patients - A Randomized Controlled Trial. *Current Nutrition & Food Science*, **11, 136-144, 2015.**
7. Talukdar, MI., Rahman, S., Akhtaruzzaman, M., and **Samad, MA***. A comparative study on the Nutritional Quality of 5 (five) Varieties of Bangladeshi Jujubes (*Zizyphus Mauritianus*). *American Journal Nutrition and Food Science*, **1 (2), 32 36; 2014. doi:10.12966/ajnfs.04.03.2014.**
8. Islam, M., Rahman, S., Kamruzzaman, M., Islam, M., **Samad*, MA.** Effect of maternal status and breastfeeding practices on infant nutritional status - a cross sectional study in the south-west region of Bangladesh. *The Pan African Medical Journal*.**16:139, 2013. doi:10.11604/pamj.2013.16.139.2755.**
9. **Samad, MA., Komatsu,K., Okuwaki, M and Nagata, K.** **B23/Nucleophosmin is involved in regulation of adenovirus chromatin structure at late infection stages, but not in its replication and transcription. J. Gen. Virol. 93 (6), 1328-38, 2012.**
10. Rahman, SMS., Paul,T., Mazumdar, NR and **Samad*, MA.** Comperison of

Proximal Composition and Mineral Content of Some common Pulses of Bangladesh. J. Appl. Sci. Tech. **8(1)**, 1-6, 2012.

11. Islam,S., **Samad***, **MA**, Akand, ASMAH., Islam, K., Chowdhury, MNK., Islam,MA. Oral health status of dental subjects with autism in Rajshahi, Bangladesh. J. Appl. Sci. Tech. **8(1)**, 25-29, 2012.
12. Khan,MMH., Islam, MM., Meftahuddin,AM., Parvin,S., Rahman, MM., Karim, MR., Islam, MS., Akand, ASMAH, **Samad, MA.**, and Islam, MA. Inretaction of Hilsha Fish Oil (*Tenuialosa Ilisha*) and Conjugated Linoleic Acid in Allaxan Induced Diabetes Mellitus Wester Strain Rats. J. Appl. Sci. Tech. **8(1)**, 30-38, 2012.
13. Hossain, MK., Haque, MS., **Samad***, **MA.**, Haque, ASMAH., and Islam, MA., Interaction of Cold and Arsenic on the Regulation of Root Protein Level in Growing Paddy. J. Appl. Sci. Tech. **8(1)**, 39-43, 2012.
14. **Samad***, **MA.**, Akand, ASMAH and Azhar, BS. Impact of Alcohol Consumption and its Corelation between Islam and Science. Journal of Islamic Education and Research Vol.7, 2012.
15. Azhar,BS,. and **Samad, MA.** Study on Knowledge and practice of weaning of Mothers in Chuadanga District. *Journal of Islamic Education and Research*, **7 (2)**, 2012.
16. Islam,S., **Samad, MA.**, Akand, MAH., Islam, K., Sarkar, AM., Almamunurrashid, M., Mostofa, MG, and Islam, MA. Association of socio-demographic characteristics with dental caries among the primary school children of Puthia Upazila, Rajshahi. J. Appl. Sci. Tech. **8(2)**, 65-70, 2012.
17. Alam, MM., Mondal, MZH., Paul, DK., **Samad, MA**, Mamun, MA and Chowdhory, MAZ. Determination of Pesticide Residue (Cartap) in Brinjal. Proc. Pak. Acad. Sci. **48(2)**: 89-93, 2011.
18. **Samad, MA., Okuwaki, M., Haruki, H., and Nagata, K. Physical and functional interaction between a nucleolar protein nucleophosmin/B23 and adenovirus basic core proteins. FEBS let.581: 3283-3288, 2007.**
19. Tang, KA., **Samad, MA.**, Akand, AH., Azhar, BS., and Absar, N. Nutritional Changes of Four Varieties of Mulberry Leaves Infected with Fungus (*Pyllactinia corylea*). Pakistan Journal of Biological Sciences, 9 (3): 355-359, 2006.
20. Azhar, BS, Rouf, SMA, Kashem, MMA., **Samad, MA.**, and Reza, MS. A Study on

the Nutritional Status of Primary School Children of Kushtia District Town. *J. app. Sci Tech.* 04 (02), 2006.

21. Tang, MAK., Salam, KA., **Samad, MA.**, and Absar, N. Nutritional changes of Four Varieties of Mulberry Leaves Infected with Fungus (*Cercospora moricola*). Pakistan Journal of Biological Sciences, 8 (1): 127-131, 2005.
22. Tang, MAK., **Samad, M.A.** , Akand, AH, Azhar, BS.,and Abser, N. Study on stability of Biological activity of lentil(*Lens Esculenta*) lectin, in Presence of Physico-chemical Agents. Journal of Applied Science & Technology, **3(02)**: 71-74, 2003.
23. **Samad, M.A.**, Absar, N and Rahman, W., A comparative study on the physio-chemical composition and some enzyme content in four different varieties lentil seeds. Journal of Applied Science & Technology, **02 (01)**: 41-46, 2001.
24. **Samad, M.A.**, and Absar,N., "Purification and characterization of two lectins from Lenil (*Lens esculenta* Moench) seed. J. bio-sci, **9**: 91-96, 2001.

PERSONAL INFORMATION:

Father's name: Late Abdul Quddus

Date of birth: 15th January, 1972

Nationality: Bangladeshi by birth

Marital Status: Married

Religion: Islam

PERMANENT ADDRESS

Village:-Kuthibari,

Post Office:-Gobindagonj,

District: Gaibandha, Bangladesh.

PRESENT ADRESS:

Nilofar Nir (Present Permanent Home)

Advocate Abdul Baki Sarak

Jaleswaritola, Bogura.

REFERENCES

1. Professor Kyosuke Nagata (Ph.D. supervisor and Collaborator)

President, University of Tsukuba

1-1-1 Tennohdai, Tsukuba 305-0005, Ibaraki, Japan.

Phone 81-298-53-3233 or 3134

E-mail: knagata@md.tsukuba.ac.jp

2. Professor Dr. Nurul Absar (Under graduate and Master's Supervisor)

Pro-vice Chancellor, University of Science and Technology Chittagong

Foy,s Lake, Chittagong, Bangladesh.

Email: nabsar51@yahoo.com

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3. Md. Zaidul Islam Sarker, Ph.D. (Collaborator)

Professor and State Program & Food Science Leader

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(Md. Abdus Samad)