

CURRICULUM VITAE

A. H. M. Nurun Nabi, PhD

Professor

Department of Biochemistry and Molecular Biology
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ACADEMIC QUALIFICATIONS

1. Doctor of Philosophy in Biochemistry from the laboratory of Animal Biochemistry, United Graduate School of Agricultural Science, Gifu University, Japan, 2006.
2. Master of Philosophy in Biochemistry from the Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh, 2000.
3. Master of Science in Biochemistry from the Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh, 1996 (First Class).
4. Bachelor of Science in Biochemistry from the Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh, 1995 (First Class).
5. Higher Secondary Certificate in Science, Rajshahi College, Rajshahi, 1992 (First Division).
6. Secondary School Certificate in Science, Rajshahi Collegiate School, Rajshahi, 1990 (First Division).

PROFESSIONAL ATTACHMENTS

1. Professor, Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh, October 2013 – present.
2. Joint Secretary, The Bangladesh Society for Biochemistry and Molecular Biology, 2016 – present.
3. Student Advisor, Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh, December 2010 – 2018.
4. Honorary Visiting Professor, Faculty of Applied Biological Sciences, Gifu University, Japan, April 2014 – present.
5. Associate Professor, Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh, June 2011 – October 2013.
6. Visiting Associate Professor, Faculty of Applied Biological Sciences, Gifu University, Japan, October 2009 – October 2010.
7. Assistant Professor, Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh, August 2006 – June 2011.
8. Lecturer, Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh, March 2001 – July 2006.
9. Honorary Teaching Staff, Department of Genetic Engineering and Biotechnology, University of Dhaka, Bangladesh, January – June 2007.
10. Honorary Teaching Staff, Department of Biochemistry and Molecular Biology, Jahangirnagar University, Bangladesh, June 2002 – August 2003 and November 2006 – August 2007.
11. Research Fellow, Bangladesh Institute of Research and Rehabilitation in Diabetes, Endocrine and Metabolic Disorders (BIRDEM), Dhaka, Bangladesh, January 2000 – February 2001.
12. Research Fellow, Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh, September 1996 – August 1998.

MEMBERSHIPS IN PROFESSIONAL BODIES

1. Asiatic Society of Bangladesh (Membership #2605).
2. Bangladesh JSPS Alumni Association (Life Member).
3. Japanese Universities Alumni Association in Bangladesh (Life Member).
4. Biomolecular Research Foundation (Life Member).
5. Dhaka University Alumni Association (Life Member).
6. Bangladesh Society of Biochemistry and Molecular Biology (Life Member).
7. Graduate Biochemist Association of Bangladesh (Life Member).
8. Bangladesh Biosafety and Biosecurity Society (Life Member).
9. Bangladesh Association of Clinical Biochemists (Life Member).

MEMBERSHIPS IN ACADEMIC BODIES

1. International Advisory Board Member, Reviews in Agricultural Sciences.
2. Editorial Board Member, Asian-Australasian Journal of Bioscience and Biotechnology.
3. Editorial Board Member, International Journal of Biochemistry & Physiology.
4. Editorial Board Member, Biojournal of Science and Technology.

AWARDS

1. Merit Scholarship, People's Republic of Bangladesh, 1990–92.
2. Merit Scholarship, People's Republic of Bangladesh, 1992–95.
3. Ph.D. Scholarship, Government of Japan, 2003–2006.
4. JSPS Postdoctoral Fellowship, Japan Society for the Promotion of Science, 2007–2009.
5. Fellowship, Japan Student Services Organization (JASSO), 2018.

RESEARCH EXPERIENCE

1. Heterologous expression of proteins in *E. coli*, protein purification and characterization.
 2. In vitro protein expression, protein-protein interaction via nanobiotechnology techniques, protein purification, cell culture and angiogenesis studies; functional studies of renin, prorenin and (pro)renin receptor binding mechanisms.
 3. Protein purification, cell culture, gene expression and functional studies on the cell membrane.
 4. Assessment of biochemical and cellular health status of garage workers and awareness-building on occupational health hazards.
 5. Collection and analysis of human samples from arsenic-endemic regions to study nutritional, biochemical and immunological effects of chronic arsenic exposure in the Bangladeshi population.
 6. Functional studies of human neutrophils (chemotaxis, locomotion, adhesion, NBT dye reduction, phagocytosis) in response to *Klebsiella pneumoniae* lipopolysaccharide; completed project "Phagocytosis and Superoxide Dismutase Activity by the Polymorphonuclear Neutrophils in Type 2 Diabetic Nephropathy Patients."
 7. Handling of experimental animals and development of diabetic (Long Evans) rats for functional neutrophil studies.
 8. Functional genomics of non-communicable disease pathogenesis (type 2 diabetes, hypertension) in Bangladeshi individuals.
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RESEARCH COLLABORATIONS

1. Prof. Akio Ebihara, Laboratory of Biological Chemistry, Faculty of Applied Biological Science, Gifu University, Japan.
2. United Graduate School of Agricultural Science, Gifu University, Japan.
3. Dr. Mohammad Nasir Uddin, Associate Professor, Texas A&M University Health Science Center College of Medicine, Texas, USA.
4. Prof. Yutaka Kuroda, Department of Biotechnology and Life Sciences, Graduate School of Engineering, Tokyo University of Agriculture and Technology.
5. Prof. Dr. Zakir Hossain Howlader, Prof. Dr. Md. Riazul Islam, and Prof. Dr. Md. Rakibul Islam, Department of Biochemistry and Molecular Biology, University of Dhaka.

RESEARCH GRANT AWARDING BODIES

1. The World Academy of Sciences (TWAS).
2. United Graduate School of Agricultural Science, Gifu University, Japan.
3. Japan Society for the Promotion of Science.
4. Ministry of Science and Technology, Bangladesh.
5. Ministry of Education, Bangladesh.
6. Bangladesh Medical Research Council.
7. University Grants Commission, Bangladesh.
8. ICT Division, Bangladesh.
9. Incepta Pharmaceuticals Ltd., Bangladesh.

RESEARCH AWARDS

1. Dean's Research Award (2018–19 to 2019–20) as best researcher under the professor category for outstanding research in life science, Faculty of Biological Sciences, University of Dhaka.
2. Best Poster prize for “Genetic landscape of the ACE2 receptor gene in COVID-19 patients with different degrees of disease severity in the Bangladeshi population: a functional genomics approach,” 6th South Asian Biotechnology Conference (BSBMB-SABC-OMC International Conference 2023), Dhaka, 3–5 February 2023.
3. Best Poster prize for “Plasma IFN- γ correlates with persistently high anti-SARS-CoV-2 IgG titre in COVID-19 vaccinated adults among the Bangladeshi population,” 6th South Asian Biotechnology Conference (BSBMB-SABC-OMC International Conference 2023), Dhaka, 3–5 February 2023.
4. Best Poster Award, Faculty of Biological Science, first Research-Publication Fair 2022, University of Dhaka Centenary celebrations.
5. Best Oral Presentation prize for “Trp64Arg gene variant is not associated with the risk of type 2 diabetes and diabetic nephropathy with reference to the Bangladeshi population,” 4th IPFS-ICBHA GNOBB International Conference 2019, University of Dhaka.
6. Best Oral Presentation prize for “Genetic association studies of APOA1 missense variant rs121912717 and APOA2 nonsense variant rs373056577 in Bangladeshi type 2 diabetic patients with regard to body weight,” 4th IPFS-ICBHA GNOBB International Conference 2019, University of Dhaka.
7. 3rd Prize, Best Oral Presentation, “Association analyses of genotypic and allelic frequencies of β -3 adrenergic receptor gene Trp64Arg variant in Bangladeshi type 2 diabetic patients with and without nephropathy,” BSBMB Conference 2019, University of Chittagong.
8. 2nd Prize, Best Oral Presentation, “Analyses of missense rs121912717 variant of ApoA-1 and nonsense rs373056577 variant of ApoA-2 genes in Bangladeshi type 2 diabetic patients irrespective of body weight,” BSBMB Conference 2019, University of Chittagong.
9. 2nd Prize, Best Oral Presentation, “Analyses of genetic variations of tumor suppressor p53 gene at codon 72 in Bangladeshi tannery workers and healthy controls,” National Conference on Biochemistry, Industry and Sustainable Economy, BSBMB.

10. 1st Prize, Best Poster, "Prediction of cluster of B and T cell epitopes from invasive, virulent and membrane-associated proteins of *Campylobacter jejuni*," ICBHA 2015, Global Network of Bangladeshi Biotechnologists.
11. 3rd Prize, Poster, "Analyses of genetic variations of glutathione-S-transferase (GST) mu1, theta1 genes and GST activity in Bangladeshi tannery workers and healthy controls," ICBHA 2015.
12. Best Oral Presentation, "In silico prediction of epitope clusters for vaccine development and putative drugs against pathogenicity-associated glycoproteins of Epstein-Barr Virus," SQUARE-ACI International Conference on Biotechnology in Health and Agriculture 2017.
13. 2nd Best Oral Presentation, "Validation of non-synonymous single nucleotide polymorphism rs1805097 in IRS2 and intronic variant rs841853 in GLUT1 for their association with type 2 diabetes," SQUARE-ACI International Conference on Biotechnology in Health and Agriculture 2017.
14. Best Poster (Institute for Developing Science and Health Initiatives – ideshi) and 2nd Best Poster Award, "Glutathione peroxidase-1 and Apolipoprotein E gene polymorphisms in Bangladeshi population with pre-diabetes and diabetes," SQUARE-ACI International Conference on Biotechnology in Health and Agriculture 2017.
15. Travel Award, European Society of Hypertension, 20th European Society of Hypertension Conference, Milan, Italy, 2009.
16. Travel Award, European Society of Hypertension, joint conference of the International Society for Hypertension and European Society of Hypertension, Berlin, Germany, 2008.
17. Travel Award, Korean Society of Medical Oncologists, 12th Annual Meeting of the Korean Society of Medical Oncology & 2019 International Conference, Seoul, South Korea, 7–8 November 2019.

RESEARCH STUDENTS SUPERVISED

PhD: 3 completed, 4 ongoing · MPhil: 1 completed · MSc: 37 completed, 3 ongoing.

INVOLVEMENT WITH QUALITY ASSURANCE IN HIGHER EDUCATION

Member of the Self-Assessment Team (nominated by the Academic Committee), Department of Biochemistry and Molecular Biology, University of Dhaka; actively involved in preparing the department's course curriculum and its Post Self-Assessment Improvement Plan (PSAIP).

TRAINING / WORKSHOPS ATTENDED (AS PARTICIPANT)

QA Area / Training	Organized By	Year / Duration
Workshop on Role of IQAC in Coordinating Skill, Knowledge and Competence in Higher Education	Institutional Quality Assurance Cell (IQAC), University of Dhaka	14 September 2022
Workshop on Survey Method and Reporting	Institutional Quality Assurance Cell (IQAC), University of Dhaka	16 November 2016
Workshop on Self-Assessment Process	Institutional Quality Assurance Cell (IQAC), University of Dhaka	24 July 2016
Training Program on SPSS for Biological Sciences	Institute of Statistical Research and Training (ISRT), University of Dhaka	21 July – 19 August 2003
South East Asian Training Course on Bioinformatics Applied to Tropical Diseases	World Health Organization, at ICGB, New Delhi, India	26 April – 9 May 2002
Application Training on Analyzer for Clinical Chemistry Assays and Quality Assurance	Cell and Molecular Biology Laboratory, Research Division, BIRDEM, Dhaka	7–11 October 2000

Training / Workshops Organized (as Resource Person)

QA Area / Training	Organized By	Year
Workshop on Self-Assessment Process	Self-Assessment Entity, University of Dhaka	December 2016
Workshop on Self-Assessment Report Writing	Self-Assessment Entity, University of Dhaka	December 2016
Workshop on Self-Assessment	Institutional Quality Assessment Committee, University of Dhaka	September 2022

EXPERIENCE IN EXTERNAL QUALITY ASSESSMENT / PEER REVIEW

External Peer Reviewer evaluating the self-assessment program of the Department of Biochemistry and Molecular Biology, Shahjalal University of Science and Technology, Sylhet, 2017.

RESEARCH PROJECTS COMPLETED AS PRINCIPAL INVESTIGATOR

Project / Research Activity	Donor / Sponsor	Position	Duration
Double Blind Placebo Controlled Randomized Phase III Trial to Evaluate the Efficacy of Eltrombopag to Correct Thrombocytopenia and Prevent Fluid Leakage in Moderate Dengue Patients	Incepta Pharmaceuticals Limited, Bangladesh	Principal Investigator	2022–2024
Exploring Genetic and Epigenetic Landscape of IFN- γ Proximal Promoter Drawing Correlation between Plasma Levels of IFN- γ and IgG in Bangladeshi Population Vaccinated against SARS-CoV-2	University of Dhaka	Principal Investigator	2022–2023
Levels of Antibody Developed against Novel SARS-CoV-2 in Bangladeshi Individuals Living in Different Geographical Locations of Bangladesh	The City Bank Limited, Bangladesh	Principal Investigator	2021–2022
Functional Genomics of Angiotensin Converting Enzyme 2 in COVID-19 Patients with Different Degree of Disease Severity with respect to Bangladeshi Population	University of Dhaka	Principal Investigator	2020–2021
Whole Exome Analyses of Nucleophosmin 1 Gene in Bangladeshi Patients with Bladder Cancer	University Grants Commission	Principal Investigator	2020–2021
Investigation of the Efficacy and Safety of Eltrombopag to Correct Thrombocytopenia in Moderate to Severe Dengue Patients – A Phase II Randomized Controlled Clinical Trial	Incepta Pharmaceuticals Limited, Bangladesh	Co-Principal Investigator	2019–2020
Determination of Calcium Homeostasis and Genetics with respect to SLC25A12 and SLC25A13 Genes in Autism Spectrum Disorders	Ministry of Science and Technology, Government of Bangladesh	Principal Investigator	2019–2020
Capacity Building Initiatives for Bioinformatics Facilities to Assist Biological Research in Bangladesh	ICT Division, Ministry of Posts, Telecommunications and Information Technology, Government of Bangladesh	Principal Investigator	2019–2021
Genetic Profiling of Gamma-Aminobutyric Acid Receptor and Serotonin Transporter Genes in Autism Spectrum Disorders with reference to Bangladeshi Population	Ministry of Science and Technology, Government of Bangladesh	Principal Investigator	2018–2019
Association Study of Type 2 Diabetes with Telomere Length and Telomerase Gene Polymorphism in Bangladeshi Population	The World Academy of Sciences	Principal Investigator	January 2016 – June 2017

Project / Research Activity	Donor / Sponsor	Position	Duration
Determination of Genotypic and Allelic Frequencies of Reactive Oxygen Species Neutralizing Enzyme Genes and Tumor Suppressor Gene in Heavy Metal Exposed Bangladeshi Population	Ministry of Science and Technology, Government of Bangladesh	Principal Investigator	2013–2014
Determination of Association of Tumor Growth Factor- $\alpha 1$ (TGF- $\alpha 1$) Gene Polymorphisms in Bangladeshi Hypertensive and Healthy Control Subjects	Bangladesh Medical Research Council	Principal Investigator	2012–2013
Evaluation of DNA Damage and Genotypic Analyses of Glutathione-S-Transferase Omega and p53 Genes in Individuals Living in Industrial Effluent Endemic Regions	University Grants Commission, Bangladesh	Principal Investigator	2012–2013
Determination of Renin and Angiotensin Converting Enzyme Gene Polymorphisms and the Levels of Renin in Plasma of Bangladeshi Hypertensive Population	Ministry of Science and Technology, Government of Bangladesh	Principal Investigator	2011–2012
Phagocytosis and Superoxide Dismutase Activity by the Polymorphonuclear Neutrophils in Type 2 Diabetic Nephropathy Patients	Biotechnology Research Center, Dhaka University	Principal Investigator	2006–2007
Study of Polymorphonuclear Neutrophil Dysfunctions in Streptozotocin-Induced Type 1 Diabetic Rats	Center for Advanced Studies, Dhaka University	Principal Investigator	2002–2003

SEMINARS AND CONFERENCES ATTENDED

- Presented poster “Missense variant rs75603675 within TMPRSS2 gene is associated with the increased risk of severe form of COVID-19,” 26th IUBMB–17th FAOBMB Congress, Melbourne, Australia, 22–26 September 2024.
- Presented poster “A comprehensive transcriptomics analysis for identifying potential hub genes and molecular mechanisms in breast cancer microenvironment,” 26th IUBMB–17th FAOBMB Congress, Melbourne, Australia, 22–26 September 2024.
- Presented poster “Evaluating the association of circulating levels of plasma 25(OH) vitamin D with the anti-SARS-CoV-2 IgG levels and seropositivity in Bangladeshi children,” 26th IUBMB–17th FAOBMB Congress, Melbourne, Australia, 22–26 September 2024.
- Invited Speaker, “Investigating the gene polymorphisms in candidate loci in Bangladeshi population with prediabetes and type 2 diabetes,” BCSIR Congress 2023, Dhaka, 8–10 March 2024.
- Presented poster “Gender specific association of ApoE and β -3 adrenergic receptor variants in a Bangladeshi population with and without diabetic nephropathy,” 30th FAOBMB International Conference, Bangkok, Thailand, 22–25 November 2023.
- Attended the 11th UGSAS-GU Roundtable Meeting, joint lecture and joint poster presentation session, United Graduate School of Agricultural Science, Gifu University, Japan, 8 November 2023 (in person).
- Public Lecture (Visiting Scholar), “Genetics of type 2 diabetes and prediabetes in South Asian population,” University of KwaZulu-Natal, Pietermaritzburg Campus, South Africa, 3 May 2023.
- Invited Lecture (Visiting Scholar), “Investigating the gene polymorphisms in candidate loci in South Asian population with prediabetes and type 2 diabetes,” University of KwaZulu-Natal, Westville Campus, Durban, South Africa, 3 May 2023.
- Attended the 10th UGSAS-GU Roundtable Meeting, joint lecture and joint poster presentation session, Gifu University, Japan, 9 November 2022 (online).
- Key Note Speaker, “Functional Genomics of Angiotensin Converting Enzyme 2 in COVID-19 Patients with Different Degree of Disease Severity with respect to Bangladeshi Population,” BCSIR Congress 2022, Dhaka, 2–4 September 2022.
- Invited Speaker, “Seroprevalence of SARS-CoV-2 IgG antibody and evaluation of the association of vitamin D with SARS-CoV-2 seropositivity in Bangladeshi children and COVID-19 vaccinated and non-vaccinated adults,” ICEPSD-2022, Dhaka, 2–4 September 2022.
- Invited Speaker, “Understanding the action of eltrombopag in correcting thrombocytopenia dengue patients by exploring entire MPL genome,” 6th International Conference on Climate Change 2020, Sebelas Maret University, Indonesia, May 2021.

13. Key Note Speaker, "Elucidation of MPL exome variation to comprehend action of thrombopoietin receptor agonist in correcting thrombocytopenia: understanding eltrombopag response mechanism in a phase II clinical trial in dengue patients," ICSTB-2021, BCSIR, Dhaka, 11–13 March 2021.
14. Attended the 8th UGSAS-GU Symposium, Gifu University, Japan, 10 November 2020 (online).
15. Invited Speaker, 4th IPFS-ICBHA GNOBB International Conference 2019, University of Dhaka, 11–13 November 2019.
16. Presented poster "Mutations within exonic regions of nucleophosmin 1 in patients with lung cancer, bladder cancer and acute lymphoblastic leukemia with reference to Bangladeshi population," 12th Annual Meeting of the Korean Society of Medical Oncology & 2019 International Conference, Seoul, South Korea, 7–8 November 2019.
17. Attended the 7th UGSAS-GU Symposium, Gifu University, Japan, 9–10 October 2019.
18. Invited Speaker, National Conference on Life Sciences in Achieving Sustainable Development Goals, BSBMB, University of Chittagong, 27–28 April 2019.
19. Attended the 24th IUBMB and 15th FAOBMB Congress 2018, Seoul, South Korea, 4–8 March 2018; presented oral and poster presentations.
20. Oral Talk, 6th UGSAS-GU Symposium, Gifu University, Japan, 9–10 October 2017.
21. Invited Speaker, Third International South Asian Biotechnology Conference 2017, Nepal Biotechnology Association, Kathmandu, Nepal, 16–18 March 2017.
22. Invited Lecture, "Immunoinformatics: Continuation of an Old Saga with a New Rhythm," 5th UGSAS-GU Symposium, Gifu University, Japan, 29–31 August 2016.
23. Attended the National Conference on Biochemistry and Molecular Biology for Life Sciences, BSBMB, University of Dhaka, 10 December 2016.
24. Invited Lecture, Second International South Asian Biotechnology Conference 2016, University of Dhaka with South Asian University, New Delhi, 5–6 February 2016.
25. Oral Talk, 4th UGSAS-GU Symposium, Gifu University, Japan, 25–27 August 2015.
26. Attended the National Conference on Biochemistry, Industry and Sustainable Economy, BSBMB, University of Dhaka, 21 March 2015.
27. Attended ICBHA 2015, Global Network of Bangladeshi Biotechnologists, University of Dhaka, 9–10 January 2015.
28. Attended and presented at the 3rd UGSAS-GU Symposium, Gifu University, Japan, 4–6 August 2014.
29. Oral Talk, 2nd UGSAS-GU Symposium, Gifu University, Japan, 2–5 July 2013.
30. Attended and presented a poster at the 1st UGSAS-GU Symposium, Gifu University, Japan, 19–20 July 2012.
31. National Conference on Current Trends in Biochemistry and Molecular Biology Research in Bangladesh, BSBMB, Rajshahi, 25–26 February 2012.
32. Oral Talk, 3rd (Pro)renin Receptor Forum (PRR Forum), Tokyo, Japan, 2010.
33. Poster, 33rd Annual Scientific Meeting of the Japanese Society of Hypertension, Fukuoka, Japan, 15–17 October 2010.
34. Poster, 23rd Scientific Meeting of the International Society of Hypertension, Vancouver, Canada, 26–30 September 2010.
35. Poster, 20th Scientific Meeting of the European Society of Hypertension, Oslo, Norway, 18–21 June 2010.
36. Poster, 32nd Annual Scientific Meeting of the Japanese Society of Hypertension, Otsu, Shiga, Japan, 1–3 October 2009.
37. Poster, 19th Scientific Meeting of the European Society of Hypertension, Milan, Italy, 12–16 June 2009.
38. Oral Talk, 2nd (Pro)renin Receptor Forum (PRR Forum), Tokyo, Japan, 2009.
39. Poster, VIII European Symposium of the Protein Society, Zurich, Switzerland, 14–18 June 2009.
40. Poster, Annual Meeting of the Molecular Biology Society of Japan and 81st Conference of the Japanese Biochemical Society, Kobe, Japan, 9–12 December 2008.
41. Poster, 62nd High Blood Pressure Research Conference 2008, American Heart Association, Atlanta, Georgia, 17–20 September 2008.

42. Poster, 31st Annual Scientific Meeting of the Japanese Society of Hypertension, Sapporo, Hokkaido, Japan, 9–11 September 2008.
43. Poster, 21st Scientific Meeting of the International Society of Hypertension, Berlin, Germany, 14–19 June 2008.
44. Poster, 18th Scientific Meeting of the European Society of Hypertension, Berlin, Germany, 14–19 June 2008.
45. Poster, Scientific Meeting of the Japan Society for Bioscience, Biotechnology and Agrochemistry, Nagoya, Japan, 26–29 March 2008.
46. Oral Talk, 21st Scientific Meeting of the International Society of Hypertension, Fukuoka, Japan, 16–20 October 2006.
47. Poster, 20th International Congress on IUBMB, Kyoto, Japan, 18–23 June 2006.
48. Poster, 11th International Congress on FAOBMB, Kyoto, Japan, 18–23 June 2006.
49. Poster, 18th Scientific Meeting of the European Society of Hypertension, Milan, Italy, 17–21 June 2005.
50. Poster, 78th Conference of the Japanese Biochemical Society, Kobe, Japan, 19–22 October 2005.
51. Poster, 41st Society for Hypertension Related Disease Model Research, Hokkaido, Japan, 2–3 September 2005.
52. Poster, 77th Conference of the Japanese Biochemical Society, Yokohama, Japan, 19–22 October 2004.
53. Poster, 1st Pacific-Rim International Conference on Protein Science, Yokohama, Japan, 14–18 April 2004.
54. Poster, 3rd General Meeting of the International Proteolysis Society, Nagoya, Japan, November 2003.
55. Poster, International Conference on Aspartic Proteases and Inhibitors 2003, Kyoto, Japan, 14–16 November 2003.
56. Poster, Diabetes in Asia, Chennai, India, February 2001.
57. Poster, Annual Symposium of the Bangladesh Biochemical Society, Dhaka, Bangladesh, 29 January 2000.
58. Attended the 10th Asian Symposium on Medicinal Plants and Other Natural Products (ASOMPS X), Dhaka, Bangladesh, 18–23 November 2000.
59. Attended the Second Conference of DIMEMSEA (Diabetes in Middle East, Eastern Mediterranean and South East Asia), Dhaka, 2–4 March 2000.
60. One Day Seminar, Bangladesh Endocrine Society, “Management of Thyroid Disorders,” Dhaka, 6 October 2000.
61. Attended the Novo Nordisk Update and 6th Diabetes & Endocrine Conference, 24–26 November 2000.
62. Attended the Third International Seminar on “Plant Materials as a Source of Antidiabetic Agents,” Dhaka, 16–17 November 2000.

PUBLICATIONS

Total publications: 114 · Edited books: 2 · Book chapters: 9 · Review articles: 9 · Research articles: 94

Edited Books

1. **Nabi AHMN** and Shekhar HU. (2026). *Biotechnological Advances in Healthomics (Interdisciplinary Biotechnological Advances)*. Springer Nature Singapore.
2. Kabir Y, Shahed SN, Ahmed M, **Nabi AHMN**, Hasan AKMM (Eds). (2022). *Biochemistry and Molecular Biology: In Quest of Education and Innovative Research for Better Tomorrow*. University Press.

Chapters in Books

1. Akter H, Uddin M, **Nabi AHMN**. (2026) *Advances of Genomic Medicine in Neurodevelopmental Disorders*. In Nabi AHMN, Shekhar HU (Eds). *Biotechnological Advances in Healthomics*. Springer Nature Singapore.
2. Chakraborty S, **Nabi AHMN**. (2022). *Achieving Sustainable Development Goals through Diverse Applications of Biochemistry and Molecular Biology*. In Kabir Y, Shahed SN, Ahmed M, Nabi AHMN, Hasan AKMM (Eds). *Biochemistry and Molecular Biology: In Quest of Education and Innovative Research for Better Tomorrow*. pp. 104–126. University Press.

3. **Nabi AHMN**, Ebihara A. Diabetes and Renin-Angiotensin-Aldosterone System: Pathophysiology and Genetics. Book chapter in Renin-Angiotensin Aldosterone System, IntechOpen, 2021. DOI: 10.5772/intechopen.97518
4. Sayed S, **Nabi AHMN**. Diabetes and Genetics: A Relationship between Genetic Risk Alleles, Clinical Phenotypes and Therapeutic Approaches. Adv Exp Med Biol. 2020 Apr 21. DOI: 10.1007/5584_2020_518
5. Afruza R, Suzuki F, **Nabi AHMN**. Pharmacogenomics in Personalized Medicine: Role of Gene Polymorphisms in Drug Response. In Biotechnology and Bioinformatics – Current Trends and Future Perspective (Eds. Thangadurai D, Sangeetha J). Chapter 2, pp. 35–72, July 2014. ISBN: 9781771880015. DOI: 10.1201/b17104-3
6. Hasan AKM, Chakrobarty S, Chakrovorty R, **Nabi AHMN**. Application of Biotechnology and Bioinformatics in Drug Discovery. In Biotechnology and Bioinformatics – Current Trends and Future Perspective (Eds. Thangadurai D, Sangeetha J). Chapter 14, pp. 356–389, July 2014. ISBN: 9781771880015. DOI: 10.1201/b17104
7. **Nabi AHMN**, Suzuki F, Inagami T. Renin. In Rawlings ND, Salvesen GS (Eds). Handbook of Proteolytic Enzymes. Oxford: Academic Press, 2013, pp. 71–82. ISBN 978-0-12-382219-2. DOI: 10.1016/B978-0-12-382219-2.00011-9
8. **Nabi AHMN**, Kuehl TJ, Uddin MN. Role of Interleukin-6 in Cardiovascular Diseases. In Interleukin-6: Genetics, Clinical Applications and Role in Disease (Eds. D'Aquino J, DeVito EN). Chapter 4, pp. 151–178. Nova Publishers, April 2013. ISBN: 978-1-62417-592-3
9. **Nabi AHMN**, Suzuki F. Biochemical, Structural and Pathophysiological Aspects of Prorenin and (Pro)renin Receptor. In Protein-Protein Interaction (Eds. Cai J, Wang RE). Chapter 13, pp. 243–274. InTech, 2012. ISBN 978-953-51-0244-1. DOI: 10.5772/38553

Review Articles

1. **Nabi AHMN**, Ebihara A, Shekhar HU. Impacts of SARS-CoV-2 on diabetes mellitus: a pre- and post-pandemic evaluation. World J Virol. 2023, 12(3): 151–171. DOI: 10.5501/wjv.v12.i3.151
2. Akther J, **Nabi AHMN**, Ebihara A. Heavy metals as environmental risk factors for cardiovascular diseases: from the perspective of the renin angiotensin aldosterone system and oxidative stress. Rev Agric Sci. 2019, 7: 68–83. DOI: 10.7831/ras.7.0_68
3. Biswas KB, **Nabi AHMN**, Ebihara A, Nakagawa T, Iddamalagoda A, Suzuki F. Renin angiotensin system-dependent and -independent functions of (pro)renin receptor and the roles of its blockers. Rev Agric Sci. 2014, 2: 37–47. DOI: 10.7831/ras.2.37
4. **Nabi AHMN**, Biswas KB, Ebihara A, Nakagawa T, Suzuki F. Renin angiotensin system in the context of renin, prorenin and (pro)renin receptor. Rev Agric Sci. 2013, 1: 43–60. DOI: 10.7831/ras.1.43
5. **Nabi AHMN**, Suzuki F. Biochemical, Enzymatic and Molecular Properties of Renin/Prorenin Mediated by (Pro)Renin Receptor. Immunol Endocr Metab Agents Med Chem. 2012, 12(1): 53–63. DOI: 10.2174/187152212799857673
6. **Nabi AHMN**, Biswas KB, Arai Y, Nakagawa T, Ebihara A, Islam LN, Suzuki F. (Pro)renin receptor and prorenin: their plausible sites for protein-protein interaction on the basis of current in vitro studies. Front Biosci. 2012, 17: 389–395. PMID: 22201750
7. Ebihara A, Nakagawa T, Nakane C, **Nabi AHMN**, Suzuki F. Towards three-dimensional structural analysis of (pro)renin receptor. Front Biosci (Elite Ed). 2012, 4: 1150–1156. PMID: 22201942
8. **Nabi AHMN**, Suzuki F. Biochemical properties of renin and prorenin binding to the (pro)renin receptor. Hypertens Res. 2010, 33(2): 91–97. PMID: 19942927
9. Uddin MN, Nabi AHMN, Nakagawa T, Ichihara A, Inagami T, Suzuki F. Non-proteolytic activation of prorenin: activation by (pro)renin receptor and its inhibition by a prorenin prosegment, “decoy peptide.” Front Biosci. 2008, 13: 745–753. PMID: 17981584

Research Articles

1. Sayem M, Rimon RA, Alam S, Saba AA, Sanyal M, Sayem M, Tabassum CT, Amin MR, Chakraborty S, Kabir A, **Nabi AN**. (2026). Genetic variability in thrombopoietin receptor and GATA1 influences response to eltrombopag in dengue-induced thrombocytopenia. Sci Rep. 16(1): 7918. DOI: 10.1038/s41598-026-37871-7

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I hereby declare that the particulars provided here are true to the best of my knowledge.

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