

Resume of Dr. Mohammad Abu Hena Mostofa Jamal



Professor,

Dept. of Biotechnology and Genetic Engineering, Islamic University, Kushtia, Bangladesh.

Ph.D in Medical Science

Chonbuk National University(JBNU), Jeonju, South Korea

M.Sc. and B.Sc. (Hons.) in

Biotechnology and Genetic Engineering

Islamic University, Kushtia, Bangladesh.

Contact:

☎ +8801716-370862

Email: jamalbtg@gmail.com, ahmjamal@btge.iu.ac.bd

Research Laboratory

Medical and Environmental Biotechnology Laboratory

Dept. of Biotechnology and Genetic Engineering, Islamic University, Kushtia-7003, Bangladesh.

Web: <http://www.mebtlabiu.org>

Office Address

Dept. of Biotechnology and Genetic Engineering, Islamic University, Kushtia-7003, Bangladesh.

Web: https://iu.ac.bd/index.php/site/dept_mainmenu/BGE/70

Residential Address

Golpoguccho,380/1, Trimohoni Road (Dadapur Road),

Baradi, Kushtia-7000

Kushtia, Bangladesh.

Work Experience:

Professor: April 2022-Present

Associate Professor: 2018-April 2022

Assistant Professor: 2013-2018

Lecturer: 2010-2013

Research Experience:

Post Doc: 2017-18

Ph.D Research Fellow: 2014-2017

**Director: Medical and Environmental Biotechnology Lab, IU
2020- Present (Web: <http://www.mebtlabiu.org>)**

Research gate:

<https://www.researchgate.net/profile/Mohammad-Abu-Jamal-2>

Google Scholar:

<https://scholar.google.com/citations?user=zuGjao4AAAAJ&hl=en>

ORCID ID :

<https://orcid.org/0000-0003-0542-4323>

ACADEMIC DATA			
UNDERGRADUATE	SCHOOL/COLLEGE	COUNTRY	YEAR
S.S.C	Police Line High School, Kushtia	Bangladesh	1996
H.S.C	Kushtia Government College, Kushtia	Bangladesh	1998
GRADUATE	UNIVERSITY	COUNTRY	YEAR
B.Sc (Hons.)	Islamic University, Kushtia	Bangladesh	2003
POST GRADUATE	UNIVERSITY	COUNTRY	YEAR
Masters	Islamic University, Kushtia	Bangladesh	2004
Ph.D	UNIVERSITY	COUNTRY	YEAR
PHD	Chonbuk National University	South Korea	2017
Post Doc	Chonbuk National University	South Korea	2017- 18

Ph.D.	
Title	Dual Neuroprotective role of HtrA2/Omi against PrP ^{Sc} and α -Synuclein aggregates
Achievement	Development of hOmi and α -Syn co-expressing <i>Drosophila</i> , Establishment of High throughput colony PCR, 4 publications in SCIE journal
M.Sc.	
Title	In vitro regeneration of medicinal plant <i>Vitex nigundo</i> and <i>Ocimum Sanctum</i> on a commercial scale
Achievement	Micropropagation of medicinal plants and two articles were published from the thesis.

PUBLISHED ARTICLES:

Total Published Article: 52
 First Author: 12
 Corresponding Author: 13
 Total citation: 1051 (According to Google Scholar)
 h-index- 19
 i10 index- 25

Supervision of Research

- Ph.D – 2
- M. Phil- 3
- MS- 16

AWARD:

First Author	Outstanding Poster Award for ‘Serine Peptidase dSp2 can specifically degrade Neurotoxic Prion Protein PrP ^{Sc} <i>in vivo</i> in <i>Drosophila</i> .’ At the 13 th Korea- Japan International Symposium on Microbiology. South Korea”
Corresponding Author	Champion for Microbial profiling of high salt tolerance plant growth promoting mangrove rhizosphere bacteria to reduce salt stress for plant growth: In vitro and Genome-wide Association study. At the 36 th Bangladesh Society for Microbiology (BSM) Conference, Sylhet
Corresponding Author	Runners Up for Study of Bacterial Diversity of Rhizosphere Soil in High-saline and Low-saline Areas of Bangladesh Using Metagenomics Approach at the 5 th International Conference on Biotechnology in Health and Agriculture (ICBHA), 2023, University of Dhaka, Dhaka
Corresponding Author	Champion for Study of Bacterial Diversity of Rhizosphere Soil in High-saline and Low-saline Areas of Bangladesh Using Metagenomics Approach at the International Conference on Biotechnology in Sustainable Development, Khulna University, Khulna
Corresponding Author	Champion for the Development of Industrial Wastewater Driven Microbial Fuel Cell for Power Generation and Bioremediation at the International Conference on Biotechnology in Sustainable Development, Khulna University, Khulna

RESEARCH ACTIVITIES:

- Molecular screening of human gut bacteria from different aged people as a therapeutic option
- Green synthesis of silver nanoparticles to control antibiotic resistance pathogen
- Metagenomic profiling of Antibiotic resistance human gut bacteria
- Molecular Docking-Simulations to screen therapeutic molecules
- Comparative genomic study: Whole genome sequencing
- Role of Rhizosphere bacteria to reduce soil stress

Scholarship and Fellowship

- Post Doc research fellowship, JBNU, Jeonju, South Korea.
- BK21+ scholarship for Ph.D , Chonbuk National University, South Korea.
- UGC Scholarship during Undergraduate

RESEARCH INTEREST:

1. Human Gut bacteria based Molecular precision of Neurodegeneration: *In vitro* and *In vivo* study in *Drosophila* Model
2. In vitro and molecular screening of human gut bacteria as treatment option of hyperlipidemia
3. Green approach to control multiple drug resistance UTI pathogen of type 2 diabetic patient: Biosynthesis of silver nanoparticle and essential oil.
4. Antibiotic-resistance pattern of respiratory tract infection from post-COVID-19 condition and control by green synthesized silver nanoparticles
5. Molecular Screening of Electricity-Producing Bacteria from Municipal Waste-Driven Microbial Fuel Cells for Power Generation and Bioremediation
6. Identification of high salt and heavy metal tolerance PGPR bacteria isolated from wild-type varieties of coastal areas of Bangladesh to reduce the effect of soil salinity
7. Study chemical composition using chromatographic methods to evaluate their antimicrobial activity based on Molecular Dynamics Simulation and Docking

PRIOR EXPERIENCE IN IMPLEMENTING RESEARCH PROJECT:

1. Metagenomic screening of high salt tolerance exoelectrogenic and methanogenic bacteria from microbial fuel cells for power generation and waste management in the coastal area of Bangladesh.
Ref- 37.20.0000.004.33.020.23-5-27, LS20232358, BANBEIS, Ministry of Education, Bangladesh, 2023-2026
2. Molecular Screening of Probiotics from human gut bacteria of the different aged child to evaluate their biomedical application: In vitro and comparative genomic analysis, Ref-37.01.0000.073.03.004.23.257, UGC, Bangladesh, 2021-22
3. Molecular Screening of Heat Shock Protein in Human Gut Bacteria as a Treatment Option for Parkinson's Disease, (GO No. 39.0000.009.99.023.23-01/ SRG-235594), Ministry of Science and Technology, Bangladesh, 2023-24
4. Evaluation of Antibiotic Resistance Pattern of Human Gut Bacteria based on Metagenomic Analysis, 39.00.000.009.14.019.21-745/ MS-563/1310, Ministry of Science and Technology, Bangladesh, 2021-22

5. Identification of salt tolerance and salt absorbing bacteria isolated from wild-type varieties of coastal area of Bangladesh to reduce the soil salinity, GO No. 39.00.0000.009.06.009.20-1331/361/ES, Ministry of Science and Technology, Bangladesh, 2020-21
6. Screening of Probiotics from antibiotic susceptible gut bacteria of different aged people, (Ref. No. 141/Edu. /IU-2021/689/17 Date: 25-08-2021) UGC and Islamic University, Bangladesh. 2021-22
7. High throughput Screening of Proteolytic Bacteria from diarrheal-associated patients of Kushtia, Bangladesh involved in pathogenicity and multiple drug resistance. (Ref. No. 141/Edu. /IU-2019/385 Date: 16-11-2019), UGC and Islamic University, Bangladesh 2019-20.

Administrative skill and Expertise

- Syndicate Member of Islamic University, Bangladesh
- Director, International Affairs Cell, Islamic University, Bangladesh
- Administrator, Islamic University Printing Press
- House Tutor, Lalon Shah Hall, Islamic University, Bangladesh
- Assistant Proctor, Islamic University, Bangladesh

Extra Curriculum and Social Leadership Activities

- Executive Member, Global Network of Bangladeshi Biotechnologist.
- Chairman, Autism Research and Welfare Society
- Founder, Shoishob Shikkha Autism School.
- General Secretary, Chakrabak Abritti Sangsad (A poem reciting group)
- Advisor, IAAS, IU and Abritti Abritti. IU

Reviewer

- Journal of Biomolecular Structure and Dynamics
- Anti-Infective Agents
- Network Modeling and Analysis in Health Informatics and Bioinformatics Journal

LIST OF PUBLISHED ARTICLES:

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First Author: 12

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Total citation: 1051 (According to Google Scholar)

h-index- 19

i10 index- 25

Sl.	TITLE OF ARTICLE	NAME OF JOURNAL	FIRST/CORRESPONDING AUTHOR	IMPACT FACTOR
1.	Integrated gene expression profiling and functional enrichment analyses to discover biomarkers and pathways associated with Guillain-Barré syndrome and autism spectrum disorder to identify new therapeutic targets	Journal of Biomolecular Structure and Dynamics (2023): 1-23 DOI: 10.1080/07391102.2023.2262586	Corresponding Author	4.4
2.	The function of bacterial HtrA is evolutionally conserved in mammalian HtrA2/Omi.	Scientific Report 2020,10, 5284 DOI: 0.1038/s41598-020-62309-z	First Author as an equal contribution (Part of Ph.D thesis)	4.379
3.	Intestinal removal of free fatty acids from hosts by Lactobacilli for the treatment of obesity	FEBS Open Bio,6 (2016) 64–76. DOI:10.1002/2211-5463.12024	Co-Author (During PhD)	2.79
4.	Natural defense against multi-drug resistant <i>Pseudomonas aeruginosa</i> : <i>Cassia occidentalis</i> L. in vitro and in silico antibacterial activity	RSC Advances, 2023, 13(41): 28773-28784, DOI: 10.1039/D3RA03923D	Co-Author	3.9
5.	Green Synthesis of Silver Nanoparticles Using <i>Cinnamomum tamala</i> (Tejpata) Leaf and Their Potential Application to Control Multidrug Resistant <i>Pseudomonas aeruginosa</i> Isolated from Hospital Drainage Water	Heliyon, 2022, 8(4):e09920, DOI: 10.1016/j.heliyon.2022.e09920	Corresponding Author	3.776
6.	Combined effect of salt stress and <i>Xanthomonas axonopodis</i> pv citri on citrus (<i>Citrus aurantifolia</i>).	Heliyon.(Cell press) 2020;6(2):e03403. Published 2020 Feb 12. doi:10.1016/j.heliyon.2020.e03403	Corresponding Author	3.776

7.	Programmable Molecular Scissors: Applications of a New Tool for Genome Editing in Biotech.	Mol Ther Nucleic Acids. 2019 Mar 1;14:212-238 DOI:10.1016/j.omtn.2018.11.016	First Author as equal contribution	8.886
8.	A computational biology approach for the identification of potential SARS-CoV-2 main protease inhibitors from natural essential oil compounds	F1000 Research, 2021, 10:1313, doi.org/10.12688/f1000research.73999.1	Corresponding Author	2.297
9.	Rainwater-driven microbial fuel cells for power generation in remote areas	Royal Society Open Science, 2021, 8: 210996, https://doi.org/10.1098/rsos.210996	Co-Author	3.653
10.	Anolyte in-situ functionalized carbon nanotubes electrons transport network as novel strategy for enhanced performance microbial fuel cells	Applied Energy, 2018, vol. 228(C), pages 167-175. DOI:10.1016/j.apenergy.2018.06.035	Co-Author	11.446
11.	Ultra-High Efficient Colony PCR for High Throughput Screening of Bacterial Gene	Indian J Microbiol. 2017 Sep;57(3):365-369, DOI: 10.1007/s12088-017-0665-1	First Author (During Ph.D)	2.461
12.	Antibacterial Properties and Chemical Composition of Essential Oil from <i>Aegle marmelos</i> (L.) Corr. Leaves Growing in Bangladesh,	Journal of Essential Oil Bearing Plants, 2017, 20:1, 155-174, DOI: 10.1080/0972060X.2017.1308276	First Author (During Ph.D)	2.1
13.	Chemical composition and antifungal properties of the essential oil and various extracts of <i>Mikania scandens</i> (L.) Willd	Arabian Journal of Chemistry. 2017, S1878-5352(13)00250-5 doi.org/10.1016/j.arabjc.2013.07.050	Co-Author	6.0
14.	Antibacterial activity of <i>Nymphaea nouchali</i> (Burm. f) flower.	Annals of Clinical Microbiology and Antimicrobials, 2013, (12:27)DOI:10.1186/1476-0711-12-27	Corresponding Author	3.89
15.	Minimum Inhibitory Concentration Analysis of <i>Nerium oleander</i> against Bacterial Pathogens	Asian Pacific Journal of Tropical Biomedicine, Volume 2, Issue 3, Supplement, 2012, Pages S1664-S1666. DOI: 10.1016/S2221-1691(12)60473-0	First Author	1.79
16.	Assessment of the Antimicrobial Activities of Wood Apple (<i>Aegle marmelos</i> L.) Seed Extracts Against Selected Fungal and Bacterial Strains,	Anti-Infective Agents, 2017, Vol. 15, Issue. 1 , Pages 33 – 37 (5), DOI: 10.2174/2211352515666170213100820	First Author (Equal Contribution)	0.42

17.	Biogenic synthesis of Silver Nanoparticles using <i>Azadirachta indica</i> (Neem) leaf extract targeting inhibitory action against antibiotic resistance bacteria	Anti-Infective Agents January 2021 DOI: 10.2174/2211352519666210120085253	First Author as Equal contribution	0.42
18.	Discovering Biomarkers and Pathways Shared by Alzheimer's Disease and Ischemic Stroke to Identify Novel Therapeutic Targets	Medicina (Kaunas, Lithuania), 2021, DOI: 10.3390/medicina55050191	Co-Author	2.43
19.	Arsenic Remediation in Bangladeshi Rice Varieties with Enhance Plant Growth by Unique Arsenic-Resistant Bacterial Isolates Article	Geomicrobiology, 2021, 37(2):130-142 DOI: 10.1080/01490451.2019.1666938	Co-Author	2.308
20.	Prognostic significance of the Cdk5 gene in breast cancer: an in silico study.	Netw Model Anal Health Inform Bioinforma 9, 19 (2020) DOI: 10.1007/s13721-020-0225-1	First Author as Equal contribution	1.20
21.	Clinicopathological and prognostic significance of GPC3 in human breast cancer and its 3D structure prediction.	Network Modeling Analysis in Health Informatics and Bioinformatics, 2020, 9(1):27 DOI: 10.1007/s13721-020-00234-x	Co-Author	1.20
22.	Comparative Analysis of Chemical Composition and Antibacterial Activities of Essential Oils from Two <i>Ocimum</i> Species	Anti-Infective Agents, 2023, 10.2174/0122113525274800231120065500	Corresponding Author	0.18
23.	<i>In vitro</i> callus induction and plantlet regeneration of <i>Achyranthes aspera</i> L., a high value medicinal plant	Asian Pacific Journal of Tropical Biomedicine. 2014; 4(1): 40-46 DOI: 10.1016/S2221-1691(14)60206-9	Corresponding Author	1.79
24.	Role of Rhizosphere Bacteria Isolated from Wild-type Varieties of Sundarbans to Endure Salt Tolerance	Journal of Science and Technology Research, 2023, 4(1):71-80, DOI:10.3329/jscitr.v4i1.67370	Corresponding author	N/A
25.	<i>Syzygium aromaticum</i> as a possible source of SARS-CoV-2 main protease inhibitors: Evidence from a computational investigation	J Adv Biotechnol Exp Ther. 2022 Jan; 5(1): 218-228 eISSN: 2616-4760, https://doi.org/10.5455/jabet.2022.d109	Corresponding Author	NA
26.	In vitro efficiency of crude extract of <i>Ricinus communis</i> ,	African Journal of Agricultural Research	Corresponding Author	NA

	<i>Abroma augusta</i> , and <i>Bombax ceiba</i> seed on brinjal shoot and fruit borer, <i>Leucinodes orbonalis</i> Guenee	Vol. 18(2), pp. 73-79, February, 2022 DOI: 10.5897/AJAR2021.15833		
27.	<i>HTRA1</i> and <i>HTRA2</i> expression differentially modulate the clinical prognosis of cancer: a multi-omics analysis using bioinformatics approaches	Journal of Advanced Biotechnology and Experimental Therapeutics, 2022 5(2): 358-380 DOI: 10.5455/jabet.2022.d121	Corresponding Author	NA
28.	Isolation and Identification of Fungal Pathogens from Five Flowering Plants in Jashore Region of Bangladesh	American Journal of Pure and Applied Biosciences, 2022, DOI: 10.34104/ajpab.022.036040	Co-Author	N/A
29.	Antifungal and antibacterial activity of the different parts of mature <i>Benincasa hispida</i> against various microbial infectious agents	African Journal of Microbiology Research, Vol. 15(7), pp. 349-359, July, 2021 DOI: 10.5897/AJMR2021.9518	Co-Author	NA
30.	Alternative medicine as a treatment option for COVID-19	Current Traditional Medicine, 2021, DOI: 10.2174/2215083807666210104142934	Co-Author	NA
31.	Effects of Phytohormone and Regulators on Shoot Tip and Nodal Explants for In Vitro Shoot and Root Clonal Propagation of <i>Vitex negundo L</i>	American Journal of Pure and Applied Biosciences, 2021, DOI: 10.34104/ajpab.021.065078	Co-Author	N/A
32.	In vitro regeneration for mass propagation in commercial scale of medicinal plant <i>Vitex nigundo L</i>	Journal of Bio-science, 2021, 18, 140-145, DOI: 10.3329/jbs.v18i0.8790	First author	N/A
33.	Screening of antagonistic potential bacteria from rhizosphere soil against phytopathogenic fungi related to selected vegetable crops	Journal of Advanced Biotechnology and Experimental Therapeutics, 2020, DOI: 10.5455/jabet.2021.d104	Co-Author	NA
34.	Biocontrol Activity of Soil Bacteria against <i>Colletotrichum melongenae</i> of Wheat (<i>Triticum aestivum L.</i>) Seed Germination	EC Microbiology 15.6 (2019): 430-435.	Co-Author	N/A

35.	Assessment and Biomonitoring of the Effect of Rapeseeds Oil on Wister Rat Organs	Am. J. Pure Appl. Sci., 2019, 1(4), 20-29. https://doi.org/10.34104/ajpab.019.0192029	Co-author	NA
36.	<i>In vitro</i> regeneration of a common medicinal plant, <i>Ocimum sanctum</i> L. for mass propagation	African journal of Biotechnology, 2016, Vol 15(24),PP 1269-1275 https://doi.org/10.5897/AJB2015.15200	First Author (M.Sc. thesis)	N/A
37.	A Review of Phytochemical and Pharmacological Profile of <i>Moringa oleifera</i> Lam	Journal of Life Science and Biotechnology, 2016	Corresponding author	N/A
38.	Antibacterial Activity of <i>Argemone mexicana</i> L. against Water Borne Microbes	Research Journal of Medicinal Plant, 2014, DOI: 10.3923/rjmp.2011.621.626	Co-Author	N/A
39.	A comparative study on microscopy, RDT, and RT-PCR for detection of malaria parasites,	International Journal of Biosciences, 2014, ISSN: 2220-6655 (Print) 2222-5234, DOI: 10.12692/ijb/5.9.366-371	Co-Author	N/A
40.	Solid state fermentation of <i>Lathyrus sativus</i> and sugarcane bagasse by <i>Pleurotus sajor-caju</i>	International Journal of Agronomy and Agricultural Research Vol. 4, No. 5, p. 1-9, 2014	Co-Author	N/A
41.	Analysis of antimicrobial activity of <i>Calendula arvensis</i> against bacterial pathogens	International Journal of Phytotherapy Research, 2014	First author	N/A
42.	Characterizations and Correlation coefficient analysis of snake gourd (<i>Trichosanthes anguina</i> L)	Journal of Research in Agriculture and Animal Science, Issue 9 (2014) pp: 01-06	Corresponding author	N/A
43.	Sterilization factors affect seed germination and proliferation of <i>Achyranthes aspera</i> cultured in vitro Introduction	Environmental and Experimental Biology, 2013, 11:119-123	Co-Author	N/A
44.	In vitro sterilization protocol for micropropagation of <i>Achyranthes aspera</i> L. node	International Research Journal of Biotechnology Vol. 4(5) pp. 89-93, 2013	Co-Author	N/A
45.	<i>Ocimum sanctum</i> L.: A review of phytochemical and Pharmacological Profile	American Journal of Drug Discovery and Development 2011, DOI: 10.3923/ajdd.2011	Co-Author	N/A

46.	In vitro regeneration for mass propagation in commercial scale of medicinal plant <i>Vitex nigundo</i> L	Journal of Bio-Science 18 DOI: 10.3329/jbs.v18i0.8790	First Author	N/A
47.	Antidiabetic activity of <i>centella asiatica</i> (L.) Urbana in Alloxan-induced type 1 diabetic model rats	Journal of Biological Sciences, 19: 23-27, 2011	Co-Author	N/A
48.	Control of coliform bacteria detected from diarrhea-associated patients by extracts of <i>Moringa oleifera</i>	Nepal Medical College Journal, 2010; 12(1): 12-19	Co-Author	N/A
49.	Anti-bacterial Evaluation and Minimum Inhibitory Concentration Analysis of <i>Oxalis corniculata</i> and <i>Ocimum santum</i> against Bacterial Pathogens	Biotechnology, 2010, DOI: 10.3923/biotech.2010.533.536 · Source: DOAJ	Co-Author	N/A
50.	In vitro Antibacterial Activity of Methanol Seed Extract of <i>Elettaria cardamomum</i> (L.) Maton	Agriculturae Conspectus Scientificus Vol. 75 (2010) No. 3 (113-117)	Co-Author	N/A
51.	Impact of Water and Soil Salinity on Coastal Agriculture in Bangladesh: Insights and Mitigation Strategies	American Journal of Multidisciplinary Research and Innovation, Vol. 3 No. 4 (2024) DOI: 10.54536/ajmri.v3i4.2927	Corresponding Author	N/A
52.	Antibiotic Resistance Pattern of <i>Lactobacillus reuteri</i> , <i>Lactobacillus salivarius</i> , and <i>Enterococcus hirae</i> Isolated from Gastrointestinal and Respiratory Tract in Commercial Broiler Chickens	International Journal of Veterinary Medicine and Animal Science, Volume 1 Issue 1, (2024)	Corresponding Author	N/A

Conference Paper:

Serial	Bibliography
1.	Mohammad Abu Hena Mostofa Jamal , Hyeon-Jin Kim and Seong-Tshool Hong, Serine Peptidase Spd2 can specifically degrade Neurotoxic Prion Protein PrP ^{Sc} in vivo in <i>Drosophila</i> . 1 st Pan American Parkinson's Disease and Movement Disorders Congress Miami, FL, USA. 2017
2.	Mohammad Abu Hena Mostofa Jamal , Hyeon-Jin Kim and Seong-Tshool Hong, In vivo degradation of neurodegenerative Prion protein by <i>Drosophila</i> serine protease, 2nd International Conference on Parkinson's Disease and Movement Disorders. Phoenix, USA.
3.	Mohammad Abu Hena Mostofa Jamal , Outstanding Poster Award for 'Serine Peptidase dSp2 can specifically degrade Neurotoxic Prion Protein PrP ^{Sc} in vivo in <i>Drosophila</i> .' At the 13 th Korea- Japan International Symposium on Microbiology."
4.	Mohammad Abu Hena Mostofa Jamal , Md. Saidul Islam ¹ , Hyeon-Jin Kim ² and Seong Tshool Hong ¹ , Dual Neuroprotective role of Hsp2 against α -Synuclein aggregates, XXII World Congress on Parkinson's Disease and Related Disorders, November 12-15, 2017 in Ho Chi Minh City, Vietnam.
5.	Mohammad Abu Hena Mostofa Jamal and Seong Tshool Hong, Neuroprotection against α -Synuclein aggregates by HspA2 , 20th annual Meeting of the Korean Society for Brain and Neural Sciences (KSBNS) and the Korean Society for Neurodegenerative Disease (KSND), Seoul , South Korea
6.	Mohammad Abu Hena Mostofa Jamal and Seong Tshool Hong, Dual Neuroprotective role of HspA2 against PrP ^{Sc} , 20th annual Meeting of the Korean Society for Brain and Neural Sciences (KSBNS) and the Korean Society for Neurodegenerative Disease (KSND),, seoul , South Korea
7.	Mohammad Abu Hena Mostofa Jamal and Seong-Tshool Hong, Intestinal removal of free fatty acids from hosts by Lactobacilli for the treatment of obesity, Asian Conference on Lactic Acid Bacteria, Gwanju, South Korea 2017.
8.	Study of the Sensitivity of different Species of Bacteria Against <i>Portulaca oleracea</i> Extracts.Md. Saidul Islam, Md. Khasrul Alam, Anzana Parvin, S. K. Biswas, Mohammad Abu Hena Mostofa Jamal , Dr. Md. Rezuhanul Islam*. An International Conference on Green Chemistry for Sustainable Development, 2012, Jessore Science & Technology University, Jessore, Bangladesh.
9.	Fungal Conversion of Agrowaste into Nutritionally Enriched Animal Feed through Solid State Fermentation .Md. Rezaul Karim, Harun or Rashid, Zinat Mahal Safia Iqbal, Md. Rezuhanul Islam ¹ Md. Shahedur Rahman, Mohammad Abu Hena Mostofa Jamal * An International Conference on Green Chemistry for Sustainable Development, 2012, Jessore Science & Technology University, Jessore, Bangladesh.
10.	In Vitro Regeneration for Mass Propagation in Commercial Scale of Medicinal Plant <i>Ocimum Sanctum</i> L. Mohammad Abu Hena Mostofa Jamal , A.N.M. Rubaiyath-Bin Rahman, Dipak Kumar Paul and Md. Rezuhanul Islam. An International Conference on Green Chemistry for

	Sustainable Development, 2012, Jessore Science & Technology University, Jessore, Bangladesh.
11.	In vitro Clonal Propagation of <i>Vitex negundo</i> L. – An Important Native Medicinal Plant. Safia Iqbal, Md. Rezaul Karim, A.N.K. Mamun, Md. Rezuhanul Islam, <u>Mohammad Abu Hena Mostofa Jamal</u> , A.K.M Nazmul Huda. An International Conference on Green Chemistry for Sustainable Development, 2012, Jessore Science & Technology University, Jessore, Bangladesh.
12.	In vitro Regeneration of <i>Helianthus annuus</i> . Mahmuda Yeasmin, Deepika dey, Md. Azizul Islam, Saidul Islam Md. Nazmuzzaman, <u>Mohammad Abu Hena Mostofa Jamal</u> * An International Conference on Green Chemistry for Sustainable Development, 2012, Jessore Science & Technology University, Jessore, Bangladesh.
13.	Study of Bacterial Diversity of Rhizosphere Soil in High-saline and Low-saline Areas of Bangladesh Using Metagenomics Approach, Abu Reza, Md. Anisul Kabir, Apon Chandra Paul, Robayet Bin Anwar Ratul, Mobinul Islam, <u>Mohammad Abu Hena Mostofa Jamal</u> , Md. Rezuhanul Islam ^{1,3*} , 5 th International Conference on Biotechnology in Health and Agriculture (ICBHA), 2023, University of Dhaka, Dhaka
14.	Screening of Exoelectrogenic Bacteria from Saline Water Driven Microbial Fuel Cell for Power Generation and Therapeutic Application, Shovon Shaha, Tanvir Ahmmed, Md. Monir Hossen, Mahadi Hasan Sojoll, <u>Mohammad Abu Hena Mostofa Jamal*</u> , The 20 th Young Scientist Seminar (YSS), 2023, Yamaguchi University, Japan
15.	Phytochemical Analysis and Molecular Dynamics Simulation-Based Antimicrobial Screening of Essential Oil from <i>Cymbopogon nardus</i> to Evaluate Its Therapeutic Potential against SARS CoV-2, Md. Jannatul Ferdous Parvez, Rzone Al Hasib, Shovon Shaha, Zinia Afrin, Monira Akter Moni, Md. Mynul Islam, Nilufa Akhter Banu, Anzana Parvin, <u>Mohammad Abu Hena Mostofa Jamal*</u> , IEEE CS BDC Summer Symposium, 2023, Islamic University, Kushtia
16.	An Integrated Bioinformatics and Multi-omics investigation of the Sirtuin family to identify their prognostic importance in human Cancers, Abu Reza, Rzone Al Hasib, Md. Rezanur Rahman, Polash Kumar Biswas, Munzura Khatun, Md. Habibur Rahman, <u>Mohammad Abu Hena Mostofa Jamal</u> , Md. Shahedur Rahman*, IEEE CS BDC Summer Symposium, 2023, Islamic University, Kushtia
17.	An Integrated Gene Expression Profiling and Functional Enrichment Analyses for Discovering Biomarkers and Pathways Associated with Guillain-Barre Syndrome and Autism Spectrum Disorder to Identify Novel Therapeutic Targets, Rzone Al Hasib, Md. Chayan Ali, Md. Habibur Rahman*, Sabbir Ahmed, Shaharin Sultana, Sadia Zannat Summa, Mst. Sharmin Sultana Shimu, Zinia Afrin, <u>Mohammad Abu Hena Mostofa Jamal*</u> , IEEE CS BDC Summer Symposium, 2023, Islamic University, Kushtia
18.	High Salt Tolerant Phosphate Solubilizing Bacteria Can Promote Plant Growth in Salt Stress Condition, Fateha Nahum Tahia, Naeema Salatia Hoque, Abu Reza, Md. Hazrat Ali Sohel, Md. Anisul Kabir, Nilufa Akhter Banu ¹ , Md. Khasrul Alam, <u>Mohammad Abu Hena Mostofa Jamal</u> , 5 th

	International Conference on Biotechnology in Health and Agriculture (ICBHA), 2023, University of Dhaka, Dhaka
19.	Development of Industrial Wastewater Driven Microbial Fuel Cell for Power Generation and Bioremediation, Tanvir Ahmmed, Shovon, Noby Hasan, MD. Muhiminur Rahman, <u>Mohammad Abu Hena Mostofa Jamal*</u> , International Conference on Biotechnology in Sustainable Development, 2023, Khulna University, Khulna
20.	Genome-wide association studies of high salt tolerance Rhizosphere bacteria of mangrove forest having a role in seed germination and plant growth at salt stress condition, Sabbir Ahmed, Md. Anisul Kabir, Fateha Nahum Tahia, Abu Reza, <u>Mohammad Abu Hena Mostofa Jamal*</u> The 20 th Young Scientist Seminar (YSS), 2022, Yamaguchi University, Japan
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Personal Information	
Name	Dr. Mohammad Abu Hena Mostofa Jamal
Father's Name	Mohammad Abdul Hamid
Mother's Name	Mrs. Selima Begum
Date of Birth	10 June 1981
National ID Number	640 298 6654
Passport Number	A05726982
Sex	Male
Blood Group	AB+
Marital Status	Married
Religion	Islam
Family Member	Mashuda Pervin (Wife) Ayona Ibnat (Daughter)

References

1. Professor Dr. Seong-Tshool Hong
Department of Biomedical Sciences and Institute of Medical Science
Jeonbuk National University Medical School, JBNU,
Jeonju, South Korea
seonghong@jbnu.ac.kr
2. Professor Dr. Md. Rezuanul Islam
Department of Biotechnology and Genetic Engineering
Islamic University, Kushtia, Bangladesh
rezwaniu@gmail.com