

Curriculum Vitae

FULLNAME: SUBRINA JESMIN (Arai)



By born Bangladeshi, now with Japanese nationality

TITLE: SUBRINA JESMIN MD, Ph.D, D.Litt, FRCP, MS, FACC, FAHA, FICA, FIAECT, FIADOE, FIAEI, FIAST

Business Address:

Senior Research Scientist, Toho University School of Medicine, Tokyo, Japan

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Research gate: https://www.researchgate.net/profile/Subrina_Jesmin3

Pubmed: Search keywords Jesmin S

Linkedin: <https://www.linkedin.com/in/subrina-jesmin-arai/>

Research map: <https://researchmap.jp/7000005626?lang=en>

Short Synopsis

Throughout the 26 years of her career, Dr. SubrinaJesmin (Arai) has been taking on challenges left and right. She believes in contributing greatly to society for which, she has been working tirelessly on making universal healthcare coverage and drug discovery. For her contributions as a clinician and humanitarian, she has been awarded many times. One of her biggest goals is to improve the overall health of rural women in Bangladesh and women in other countries.

In order to achieve that goal, she has regularly created and attended workshops, seminars and more to disseminate basic health information and guidelines to these women. She is also a believer in giving her students a fair chance and has provided PhD and Master's Degree to over 100 students.

BRIEF CAREER SUMMARY

Dr. SubrinaJesmin (Arai) MD, Ph.D, D.Litt, FRCP, MS, FACC, FAHA, FICA, FIAECT, FIADOE, FIAEI, FIAST

An Outstanding Healthcare Professional with 26 years of experience Healthcare scientist and influencer

From research to product branding, Dr. Subrina has achieved global recognition awards 182 times for her immense contribution to healthcare. A non-stop creative high-level woman professional from hard to reach rural women health issues to the most advanced state of the art healthcare technology with digital transformation.

Dr. Subrina is a Japanese national (born in Bangladesh) distinguished medical researcher, scientist, writer, and licensed clinician with 26 years of experience with 182 global awards. She has published more than 300 peer-reviewed high-impact factor international journals. She has given more than 480 scientific presentations at various international medical and healthcare congresses. In addition, she made more than 67 invited talks, keynote speeches, and panelists. Dr. Subrina has also provided PhD. and Master's Degrees to more than 100 students.

She has contributed immensely to health care policy development and formulation, evaluation of MDG, on the frontline professional for SDG and Universal Healthcare Coverage.

Medical communications and strategic scientific publications

Besides her research publications, to date, she assisted client-based publications of more than 250. She is well-versed in medical communication writing like conference abstracts, presentations, slides, website content, blog, and article writing, conference organization, news publishing, etc.

A real fighter against non-communicable diseases

Dr. Subrina has done extensive work on the rising epidemic of non-communicable diseases like diabetes, heart disease, stroke, hypertension, cancer, and mental health. She works mainly on the innovation of preventive approaches to non-communicable diseases. She has been attached with several international organizations of health economics for the health-equity in developing countries.

Pioneer Figure for Women Health

Dr. Subrina is the honorary director of the Health and Disease Research Center (HRDCP), founded in 2007, to educate rural women about healthy living. She has conducted screening of more than a million rural women through the organization for a health checkup. She has assisted rural women through her own pockets, donations, and also with the help of different projects. She is the one who started working on gestational diabetes mellitus (GDM) in Bangladesh. She developed a healthcare infra-structure for rural women for GDM in Bangladesh. In addition, she has worked with Nobel Peace Laureate Professor Dr. Muhammad Yunus on rural development in Bangladesh. For her contributions to the betterment of women's health, she has been awarded the Global Peace Prize a total of 21 times, including a 100 woman Asian award.

Covid research and Diagnostics

She is attached with an USA-based diagnostic group to the innovation of a low-cost diagnostic kit for Covid-19. In addition, has conducted research covid prevalence, management, treatment outcome, vaccination frequency, vaccination success, and side effects from community level to tertiary level hospitals.

Branding and marketing influencer of healthcare products at LinkedIn

Dr. Subrina has a passion for the branding and marketing of healthcare products online, especially on LinkedIn.

Innovation of new drug

Dr. Subrina is still struggling to innovate drugs for various diseases like diabetes, menopausal syndrome, hypertension, cancer, and rare mitochondrial diseases. She already discovered an alternate substrate for estrogen for the post-menopausal syndrome, having fewer side effects. She innovated a novel molecule for diabetic complications which work cell and tissue specifically in diabetic patients. Now she is on the way to discovering therapeutic options for rare mitochondrial genetic disorders.

The distinguished translation research specialist

In her 26 years of active career with healthcare, she has some transitional research from animal to human or human to animal. In addition, she acts as a professional consultant for translational research planning and execution as a freelancer.

Outstanding professional of healthcare research management and implementation

As of now, Dr. Subrina has successfully developed, secured funding, and effectively managed more than 57 medical and healthcare research projects.

A dedicated community educator

Lastly, Dr. Subrina is a skilled clinician, patient, and community educator. She is also very collegial and a great team player. In addition, she is known for being straightforward, flexible, adjusting to any environment, and having a solid moral code.

Establishing evidence-based healthcare practice in developing countries

Dr. Subrina has already put tremendous efforts and made several initiatives to establish the healthcare practice and approach in an evidence-based way; she is a strong voice for evidence-based health practice in South Asia.

Key professional access sites:

Research gate: https://www.researchgate.net/profile/Subrina_Jesmin3

Linkedin: [linkedin.com/in/subrina-jesmin-arai](https://www.linkedin.com/in/subrina-jesmin-arai)

Research map: <https://researchmap.jp/7000005626?lang=en>

Pubmed: <https://www.ncbi.nlm.nih.gov/pubmed/?term=Jesmin+S>

EDUCATIONAL BACKGROUND:*(begin with high school education.)*

<i>Institution and location</i>	<i>Degree</i>	<i>Conferred Year</i>	<i>Field of study</i>	<i>Grade</i>
Rajshahi Govt. College, Rajshahi, Bangladesh	H S C (High school certificate)	1989	Science	Excellent
Faculty of Medicine, University of Rajshahi, Bangladesh	Bachelor of Medicine and Bachelor of Surgery(MBBS, based on British curriculum) with distinctions (equivalent to MD in Japan)	1996	Medicine	Excellent
Hokkaido University Graduate School of Medicine, Sapporo, Japan	Doctor of Philosophy (Ph.D.)	2003	Health Science	Excellent
Northern University, Bangladesh	Master of Public Health (MPH)	2009	Public Health	Excellent
School of Medicine, Tokai University, Isehara, Japan	Course completed (non-degree)	2010	Master of Clinical and Biomedical Science (MCBS)	Excellent

PROFESSIONAL EXPERIENCES

Positions held (Full time):

<i>Designation</i>	<i>Institution</i>	<i>Period</i>
Medical Resident (MD)	<i>Faculty of Medicine, University of Rajshahi, Bangladesh</i>	1997 to 1998
Postdoctoral Fellow, Health Science	<i>Hokkaido University Graduate School of Medicine, Sapporo, Japan.</i>	2003 to 2004
Postdoctoral Fellow, Human Comprehensive Health Science	<i>Medical Sciences for Control of Pathological Processes, Graduate School of Comprehensive Human Sciences, University of Tsukuba, Tsukuba, Japan.</i>	2004 to 2005

International Researcher (JSPS)	Special	<i>Research Institute, National Center for Global Health and Medicine (NCGM), Tokyo, Japan.</i>	2005 to 2007
Head, Research Institute		<i>Research Institute, National Center for Global Health and Medicine (NCGM), Tokyo, Japan.</i>	2007 to 2012
Assistant Professor		<i>Faculty of Medicine, University of Tsukuba, Japan.</i>	2012 to 2016
Senior Researcher		<i>Faculty of Health and Sports Science, University of Tsukuba, Japan</i>	2016 to 2020
Senior Healthcare Scientist		<i>TOHO University School of Medicine, Tokyo, Japan.</i>	2017 to present
Research Director		<i>Cardiology Clinic, Chiba, Japan</i>	2020 to present

Positions held (academic/teaching, part-time):

<i>Designation</i>	<i>Institution</i>	<i>Period</i>
Visiting Associate Professor	<i>Department of Emergency and Critical Care Medicine, Hokkaido University Graduate School of Medicine, Sapporo, Japan.</i>	2009 to 2011
Visiting Associate Professor	<i>Department of Community and International Health, Tokai University Graduate School of Medicine, Isehara, Japan.</i>	2009 to present
Visiting Professor	<i>Department of Public Health, TMSS Medical College, Bogura, Bangladesh.</i>	2012 to 2018
Visiting Professor	<i>Faculty of Health and Sports Science, University of Tsukuba, Japan</i>	2010 to date
Visiting Professor	<i>Department of Critical Care Medicine, Hokkaido University Graduate School of Medicine, Sapporo, Hokkaido, Japan.</i>	2012 to 2013

Positions held (Research-based, part-time/visiting):

<i>Designation</i>	<i>Institution</i>	<i>Period</i>
Executive Board Member and Researcher (honorary)	<i>Association for Village Advancement, Noagoan, Bangladesh.</i>	2005 to present
Research Director (honorary)	<i>Health and Disease Research Center for Rural Peoples (HDRCRP), Dhaka, Bangladesh.</i>	2007 to present

Research Coordinator	<i>Grameen Health (founded by Nobel Laureate Professor Muhammad Yunus), Dhaka, Bangladesh.</i>	2008 to present
Overseas Organizer	Faculty of Health and Sports Science, University of Tsukuba, Japan	2012 to 2015
Research Fellow	<i>GrameenKalyan and Healthcare Trust, Dhaka, Bangladesh</i>	2010 to present
Honorary Translational Research Consultant	<ul style="list-style-type: none"> ▪ <i>Bogura Medical College, Bangladesh (2005 to present).</i> ▪ <i>Islamia General Hospital, Bangladesh (2003 to present).</i> 	
Visiting Scientist	<ul style="list-style-type: none"> ▪ <i>Center for Tsukuba Advanced Research Alliance, University of Tsukuba, Tsukuba, Japan (2003 to present).</i> ▪ <i>Hokkaido University Graduate School of Medicine, Sapporo, Japan (2004 to 2019).</i> ▪ <i>Hokkaido Health Science University, Japan (2005 to 2010).</i> ▪ <i>Ibaraki Prefectural University, Japan (2008 to present).</i> 	

Positions held (Others):

<i>Designation</i>	<i>Institution</i>	<i>Period</i>
Frelance Medical Scientific and Content Writer	<i>Self-employed, Ibaraki, Japan</i>	Jan 2010 - present
Healthcare Product Branding and Promotion	<i>Freelance</i>	Apr 2018 - present
Medical Scientific Writer	<i>EpiConsult LLC (Dover, Delaware, United States)</i>	Jan 2020 - present
Medical Article Reviewer	<i>Health Tution</i>	Apr 2020- Present
TOP Person Ambassador	<i>TOP PERSON Magazine</i>	May 2021 - Present
Brand Ambassador	<i>Sustainable Procurement & Supply Chain (SPSC) Ambassador</i>	Jan 2022 - Present

Awards and honors:

1. Outstanding performance, dedication and immense contribution to the treatment and prevention strategies for gestational diabetes in South Asia. *Eminence Global Award 2023. Issued by the unanimous recommendation of the Awards and Recognition Committee" (ARC) of "Bestow Edutrex International"*, Mumbai, India, April, 2023.

2. *Eminent Women's Excellence Award-2023* under the professional category of "Best Women's Excellence in Research / Academic Award". Issued by "Bestow Edutrex International", Mumbai, India, March, 2023.
3. Outstanding performance and dedication in the respective domain area. *Certificate of Achievement Eminent Educational Advisor Award. Internatinal Education Excellence Awards-2022. Issued by the unanimous recomendation of the Awards and Recognition Committee" (ARC) of of "Bestow Edutrex International"*, Mumbai, India, November, 2022.
4. Outstanding performance and dedication in the respective area. *Certificate of Achievement Educational Leader of the Year Award. Internatinal Education Excellence Awards-2022. Issued by the unanimous recomendation of the Awards and Recognition Committee" (ARC) of of "Bestow Edutrex International"*, Mumbai, India, November, 2022.
5. Outstanding performance and dedication in the respective area. *Certificate of Achievement Life Time Achievement Award. Internatinal Education Excellence Awards-2022. Issued by the unanimous recomendation of the Awards and Recognition Committee" (ARC) of of "Bestow Edutrex International"*, Mumbai, India, November, 2022.
6. Vital and Professional Mission as a unique and Powerful Personality Through Extraordinary Achievements with Vision and Integrity. Hoinser Icon Award, November 2022.
7. Best Healthcare Entrepreneur Award, Global 28COE Summit Accra, Ghana. World Trade Center, Accra, November 2022.
8. Certificate of Achievement. Books for Peace International Special Award 2022. Rome, September 2022.
9. Best Educational Performer During COVID-19. *International Teachers Awards-2022*, Mumbai, India, September, 2022.
10. Excellence in Inclusive Education. *International Teachers Awards-2022*, Mumbai, India, September, 2022.
11. "Twelve Characteristics of an Effective Teacher" during the International Seminar on "Best Qualities of an Effective Teacher". *International Teachers Awards-2022*, Mumbai, India, September, 2022.
12. Most prestigious recognition for immense contribution to the education. International Teachers Awards-2022 under the exclusive individual category of "Best Educational Performer during COVID19". Mumbai, India, August, 2022.
13. *Recognition for the individual creative and innovative ideas, adaptability in business and for my contributions to sustainability Lifetime Hoinser mission Worldwide. Honoree as the best award*, Hoinser Group, August, 2022.
14. *Visionary Leader of the Year in Translational Medicineand Evidence-based Healthcare, Asian-African Iconic Brand Awards*, New Delhi, India, August, 2022
15. *Royal Noble Title Awards*, Hoinser Group, Albania, July, 2022.

16. *Fellowship Awards, International Association of Distance and Online Education (IADOE), Mumbai, India, July, 2022.*
17. *Recognition for Identified Educators and Researchers Who have Fostered Unique Capabilities in Education and Related Fields, Global Eminence Award 2022 by the Governing council of “Bestow Edutrex International”, Mumbai, India, July, 2022.*
18. *Best Overseas Education Consultants, under the Global Eminence Award 2022 by the Governing council of “Bestow Edutrex International”, Mumbai, India, July, 2022.*
19. *Lifetime Achievement Award under the Global Eminence Award 2022 by the Governing council of “Bestow Edutrex International”, Mumbai, India, July, 2022.*
20. *Eminent Educational Leadership Awards under the Global Eminence Award 2022 by the Governing council of “Bestow Edutrex International, Mumbai, India, July, 2022.*
21. *Inspirational Women Award under the Global Eminence Award 2022 by the Governing council of “Bestow Edutrex International”, Mumbai, India, July, 2022.*
22. *Iconic Women Award under the Global Eminence Award 2022 by the Governing council of “Bestow Edutrex International”, Mumbai, India, July, 2022.*
23. *Fellow Membership Awards by Governing council of “Bestow Edutrex International” as Fellow Member of the “International Association of Educators and Corporate Trainers”(IAECT) Group, Mumbai, India, May, 2022.*
24. *The Distinguished Entrepreneur of the year in Healthcare and Hospitals, Asian-African Leadership Forum & Awards, Asian-African Chamber of Commerce and Industry, New Delhi, India, April, 2022.*
25. *Distinguished Healthcare Scientist and Entrepreneur, Passion Vista Women Leaders Award-2022, Ahmedabad, Gujarat, India, March, 2022.*
26. *Award for Excellence in Research, Global 28 Credentials of Entrepreneur (28COE) Award, Dubai, March, 2022.*
27. *Award of Excellence in Research, Global Educational Leadership Award-2022, Bestow Edutrex International, Mumbai, India, February, 2022.*
28. *Healthcare Icon Awards, Hoinser Media Group Awards, 2022.*
29. *Exceptional Leader of Excellence Awards, Hoinser Group, 2022.*
30. *Creator of Success Awards, Hoinser Group, 2022.*
31. *Passion Vista – Women Leaders, Ahmedabad, India, January, 2022.*
32. *Entrepreneurship Excellence Award, Global Innovative Entrepreneurship & Startup Summit (GIESUS) 2021, India, November, 2021. (<https://www.linkedin.com/in/subrina-jesmin-arai/detail/recent-activity/shares/>)*
33. *World Women Leadership Congress & Awards (Asia’s Women Leaders), Mumbai, India, October, 2021.*

[\(https://www.facebook.com/WorldWomenLeadershipCongress/photos/a.229771418604715/458902692358252/\)](https://www.facebook.com/WorldWomenLeadershipCongress/photos/a.229771418604715/458902692358252/)

34. *Hoinser Book Award*, 2021. (<https://online.pubhtml5.com/nplsp/iynq/#p=1>)
35. *The World Book of Hoinser Queens, on an outstanding work in record time in fulfilling the goal of empowering women*, October, 2021. (<https://online.pubhtml5.com/nplsp/awdn/#p=1>)
36. *Special Award 2021(A Recognition of Tremendous Impact on Health Services to Establish a Pollution Free Environment and Society)*, Social Advancement Program And Networking Organization (SAPNO), Bogura, Bangladesh, October 2021. (<https://www.linkedin.com/in/subrina-jesmin-arai/detail/recent-activity/shares/>)
37. *Annual Award 2021 (The Honor Of Dedication To Addiction Free Society And Suicide Prevention)*, Astha Drug addiction treatment center, Bogura, Bangladesh, September 2021
38. *International Special Award 2021*, Books for Peace, September 2021
39. *International Literary Competition Special Award for A Culture of Peace*, Books for Peace, BFUCA UNESCO BRASIL, WFUCA, June 2021
40. *Ambassador Books for Speech Award (Appreciation as Humanitarian supporter for Promoting Culture of the Books for Speech International Award)*, Books For Peach International Awards, Brasil, June, 2021.
41. *28 Credentials of Entrepreneur (28COE) Award (Community of Discipline, Council of Result Oriented, Community of Ownership)*, Faculty of Medicine, Toho University, Tokyo, Japan, 2021. (<https://www.facebook.com/28CredentialsOfEntrepreneur/photos/582414293192479>)
42. *Ambassador of Peace Award*, Institute of Peace and Development (INSPAD), Islamabad, Pakistan, September 2021. (<https://www.linkedin.com/in/subrina-jesmin-arai/detail/recent-activity/shares/>)
43. *Investigator Award*, 11th Asia Pacific Congress on hypertension, Bali, Indonesia, June, 2015
44. *Young Investigator Travel Grant Award*, The 3rd International Congress on Lipid Metabolism & Atherosclerosis (ICLA 2014), Seoul, Korea, September, 2014.
45. *An award by HDRCRP Bangladesh for Contribution to gestational diabetes in Bangladesh*, January, 2014.
46. *2013 best rural-based women researcher award(unparallel contribution to rural women health in Bangladesh)*, Association for village advancement, Bangladesh, November, 2013.
47. *Young Investigator Award*, 13thInternational Conference on Endothelin, Japan, September, 2013.
48. *The honor of best ten publications in estrogen field (exploration of the role of estrogen on microcirculation)*, May, 2012.
49. *Distinguished Top 100 Asian Women Award* (contribution to improve rural health in Asia), Asian Rural Women's Coalition (ARWC), October, 2011.
50. *Kanazawa Medical Foundation Award* (women health research), Tokyo, Japan, December, 2008.
51. *Young Investigator Award*, 10thInternational Conference on Endothelin, Italy, September, 2007.

52. *Young Investigator Award*, Ninth International Conference on Endothelin, Salt Lake City, Utah, U.S.A., September, 2005.
53. *Young Investigator Outstanding Achievement Award*, 8th Annual Meeting of Cardiovascular Forum, Tokyo, Japan, August 20, 2005.
54. *Young Histochemist Award*, Society for Histochemistry, the Netherlands, April, 2005.
55. *Vector Laboratory Young Investigator Award*, Joint Congress of the Histochemical Society (USA) and the Society for Histochemistry (Europe), the Netherlands, April, 2005.
56. *Travel Grant Award*, Histochemical Society (USA), The Netherlands, April, 2005.
57. *Travel Grant Award*, 3rd international congress of Nitric Oxide, Nara, Japan, May, 2004.
58. *Clerk Distinguished Medical Scientist Award* (best young researcher in Graduate School of Medicine, Hokkaido University), Hokkaido University, Sapporo, Japan, July, 2003.
59. *Hypertension and Metabolism Research Grant Award*, Tokyo, Japan, June, 2003.
60. *Young Investigator Award (YIA)*, the 67th Annual Scientific Meeting of the Japanese Circulation Society, Fukuoka, Japan, March, 2003.
61. *International honor for the top ten basic medical research publications* (vasculoprotective action of estrogen for postmenopausal women through VEGF signaling cascade), *February, 2003*.
62. *Kajiwara Award*, 38th Annual Meeting of Society for the Spontaneously Hypertensive Rat (SHR), Wakayama, Japan, October, 2002.
63. *Hypertension Research Grant Award*, Tokyo, Japan, June 2001.
64. *Rotarian Fellowship Award* (best contribution to medicine) by the Government of Australia, 1995.
65. *Honor* (Forensic Medicine), *Faculty of Medicine*, University of Rajshahi, Bangladesh, 1994.
66. *Honor* (Community Medicine), *Faculty of Medicine*, University of Rajshahi, Bangladesh, 1994.
67. *Best Ten High School Student President Award*, Dhaka, Bangladesh, November 1989.
68. *Outstanding Student President Award* (country-wide top ten), Dhaka, Bangladesh, September 1987.

Fellowships: (National and International)

- ❑ *Awarded a medical scholarship (MBBS)* by the Government of Bangladesh, Faculty of Medicine, Rajshahi University, Rajshahi, Bangladesh, 1991-1996.
- ❑ *Awarded a Rotarian Fellowship* by the Government of Australia to study Medicine. Faculty of Medicine, Rajshahi University, Rajshahi, Bangladesh 1995.
- ❑ *Awarded a Postgraduate Fellowship* by the Japanese Government (Monbusho, Ministry of Education & Science) in Medicine/Health Science, 1998-2003.
- ❑ *Awarded a Postdoctoral Fellowship* by the Japanese Society of Pharmacopoeia in Cardiovascular Medicine, 2003-2004.
- ❑ *An International Special Fellowship* in Medicine (Preventive) under the sponsorship of The Japan Society for the Promotion of Science (JSPS), 2005-2007.
- ❑ *Online Training on Diversity & Inclusion in the Workplace* by- JOHNSON GEORGE, Mumbai, India, August, 2022.

Professional membership

Regular member:

- ❑ Bangladesh Medical and Dental Council, 1998-present.
- ❑ Japanese Circulation Society, Society Awarded, 2002-present.
- ❑ Society of Hypertension Related Disease Model Research, Society Awarded, 2002-present.
- ❑ Japanese Association for Acute Medicine, 2004-present.
- ❑ International Society for Experimental Biology and Medicine, USA, 2005-present.
- ❑ Japanese College of Cardiology, 2009-present.
- ❑ Japanese Society of Sports Medicine and Physical fitness, 2016-present
- ❑ Japanese Pharmacological Society, 2003-2005.

Lifetime member:

- ❑ International Epidemiological Association (IEA), Since 2009.
- ❑ Faculty Senate at Mc Stem Eduversity, USA, Since April 2023.

Premium Professional member:

- ❑ American Heart Association (AHA), USA, 2009-present.

Executive Board Member:

- ❑ Health and Disease Research Center for Rural Peoples (HDRCRP), Dhaka, Bangladesh, 2007-present.

Ethical and Research Review Committee member:

- ❑ Grameen Health Ethical and Research Review Committee, Distinguished Member, 2008-present.
- ❑ Health and Disease Research Center for Rural Peoples (HDRCRP), Dhaka, Bangladesh, 2007-present.

Honorary Member:

- ❑ Hoinser Club Honorary Member, 2021-present.
- ❑ Asian-African Chamber of Commerce and Industry, 2022-present.

Fellow/International Fellow:

- ❑ Royal Society of Medicine, United Kingdom (UK), 2009-present.
- ❑ Royal College of Physicians of Edinburgh, United Kingdom (UK), 2009-present.
- ❑ American Heart Association, United States (US), 2009-present.
- ❑ International College of Angiology, United States (US), 2009-present.
- ❑ American College of Cardiology, United States (US), 2009-present.
- ❑ Fellow Membership of IAECT, Mumbai, India, June, 2022-present
- ❑ Fellow Membership of International Association of Scientist and Technocrats (IAST), May, 2022-present
- ❑ Fellow Membership of the “International Association of Educators and Corporate Trainers”(IAECT) Group, Mumbai, India, May 2022-present.
- ❑ Fellow Membership of the “International Association of Entrepreneurs and Innovators” (IAEI), Mumbai, India, 16 August 2022-present.
- ❑ Fellow Membership of the “International Association of Distance and Online Education” (IADOE), Mumbai, India, July 2022-present.
- ❑ Premium Fellow Member of the "Global Consortium of Professionals & Researchers" (GCPR), USA, April 2023-present

Online Teaching:

Professional Summary:

Certified healthcare professional with 20+ years of teaching experience aiming to secure a position to teach online.

Teaching Experience:

General Research:

- Planning and delivering classes to students about the ethics and scope of research
- Managing assessments of students
- Showcasing the do's and don'ts of basic research guidelines

Cardiology:

- Teaching real life, useful clinical reasoning & approach for practicing clinical cardiology
- Allow sufficient time to students for engaging with me and ask specific questions
- Disseminate updated information in interesting manner with clinically usable setting

International Medicine:

- Teaching about the necessity of staying safe against COVID-19
- Teaching about common orthopaedic condition
- Discussing about infectious diseases and more

Licensure and Special Skills:

<i>Name of license</i>	<i>Society of achievement</i>	<i>Year of achievement</i>
Medical practicing license (MD)	Bangladesh Medical and Dental Council	1998
Fellow (FRCP)	Royal College of Physicians of Edinburgh, United Kingdom (UK)	2009
Fellow (FRSM)	Royal Society of Medicine, United Kingdom (UK)	2009
Fellow (FAHA)	American Heart Association, United States (US)	2009
Fellow (FICA)	International College of Angiology, United States (US)	2009
Fellow (FACC)	American College of Cardiology, United States (US)	2010

RESEARCH ACTIVITIES

Research Achievements (Summary, details in achievement list):

A. Scientific publications (1998-2022)	First-author	Co-author
I. Paper reviewed and published in high impact factor international journals (impact factor more than 600)	88	143
II. Local journals (Japan and Bangladesh, reviewed and non-reviewed)	3	8
III. Book chapter	8	1
IV. Review articles	0	1
V. Proceedings	72	39
B. Grants obtained	PI	Co-PI
• 2001-2022	22	24
C. Presentations (1999-2022)	Presenter	Co-presenter
I. Invited talks (both national and international)	71	Not listed
II. Participation in international congresses	112	117

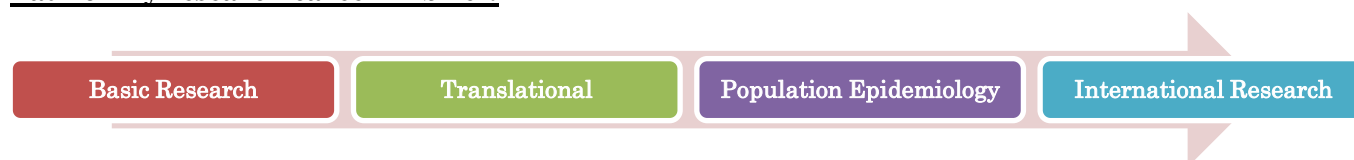
III. Participation in domestic congresses (Japan)	84	77
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Overview of my research career:

- ❑ **Research duration:** I have been actively involved in biomedical/health science research for the past 26 years.
- ❑ **Research field:** Global health, women health, community health, sports medicine, non-communicable disease, preventive medicine, vascular biology, cardiology
- ❑ **Primary research interest:** is elucidating the key pathogenesis mechanism of life-style related non-communicable diseases that have a high social impact, such as diabetes mellitus, hypertension, stroke, and postmenopausal syndrome and their lifestyle interventions.
- ❑ **Research type:** Innovative
- ❑ **Research approaches:** have been broadly multidisciplinary, including primary, clinical, translational, population-based, epidemiological, international.
- ❑ **Key research objectives:** a) Innovation of advanced technology through elucidation and clarification of mechanistic insights of global warning health crises (risk prediction, diagnostic and prognostic purposes for human health); b) Development of therapeutic including lifestyle strategies for prevention and therapeutic targets for emerging global health problems for low-income countries.

Research Achievements (for details, please refer to achievement list and grant list)

Path of my research career in brief:



A. Scientific Publication(1998-2022):

(I) Peer-reviewed international journal publication (total impact factor more than 600)

1. **Jesmin, S.;** Shima, T.; Shimojo, N.; Yamaguchi, N.; Kawano, S.; Moroi, M.: Looking Back at the Impact Left by the Delta Variant When Delta Became Global Threat. *Journal of* (in press) 2022.
2. Shima, T.; Kawabata-Iwakawa, R.; Onishi, H.; **Jesmin, S.;** Yoshikawa, T.: Light-intensity exercise improves memory dysfunction with the restoration of hippocampal MCT2 and miRNAs in type 2 diabetic mice. *Metabolic Brain Disease*, 38:245–254, 2023. <https://doi.org/10.1007/s11011-022-01117-y>
3. **Jesmin, S.;** Maqbool, A.: Screening for Gestational Diabetes Mellitus and its Prevalence in Bangladesh. *Gynecol Obstet Open Acc*, 6(1), 150, 2022. DOI: 10.29011/2577-2236.100150
4. Maqbool, A.; **Jesmin, S.;** Shimojo, N.; Moroi, M.: Omicron Transmissibility, Severity, Vaccines, and Future Perspectives. *Microbiology & Infectious Disease*, 6(4), 1-6, 2022.
5. Azab, A, **Jesmin, S.,** Sohael, F.; Bangash, R.: Epigenetic regulation of the genome through transposable elements and its related non-coding small RNA. *International Journal of Biology Sciences*, 4(2), 19-27, 2022.
6. **Jesmin, S.;** Maqbool, A.; Rahman, M.A.; Sohael, F.; Matsuishi, Y.; Shima, T.; Shimojo, N.; Kawano, S.; Yamaguchi, N.; Masao, M.: Community survey, knowledge and attitude of Bangladeshi people during the time of Omicron Variant emergence. *International J Biomed Res Prac*, 2(2), 1-5, 2022.
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 111. Sakuma, I.; **Jesmin, S.**: Effects of Estriol on Coagulation and Fibrinolysis in Postmenopausal Women with Coronary Risk Factors. (*Circulation*), *Proceeding of the American Heart Association 72nd Scientific Session*, vol.100, 826, 1999

B. Research grants (in details):

MEXT / Japan Society for the Promotion of Science

Grant Title	Funding Source	Duration	Status	Amount (JPY)
Role of exercise in diabetic Organ complications	Japan Ministry of Science and Education for Established Researcher (Kiban C)	2019-2021	PI	5,000 千円

Exploration of mechanisms underlying organ protective role of a blockade of protease activated receptor 2 in sepsis through the modulation of VEGF angiogenic system and associated microcirculation	Japan Ministry of Science and Education for Established Researcher (Kiban C)	2016-2018	PI	5,000 千円
Exploration of the role of environmental chemical (arsenic) in the development of diabetes and the related metabolic disorders for South Asian Countries: A multi-faceted multi-disciplinary investigation	Japan Ministry of Science and Education for Established Researcher (Overseas Kiban B)	2015-2017	Co-PI	20000 千円 (Jesmin part: 50% of the total grant)
Assessment of low HDL levels and Risk of a First Myocardial Infarction Among Bangladeshi population: A comparison with the data of the Japanese population	Japan Ministry of Science and Education for Established Researcher (Kiban C)	2015-2017	Co-PI	5,000 千円 (Jesmin part: 70% of the total grant)
Comprehensive Assessment of Prevalence and Trends of Gestational Diabetes Mellitus among Bangladeshi Rural Women: A multidisciplinary investigation from basic epidemiology to genetic screening	Japan Ministry of Science and Education for Established Researcher (Overseas Kiban B)	2013-2015	PI	20,000 千円
International comparative study of polymorphism on DIC related genes in trauma and sepsis	Japan Ministry of Science and Education for Established Researcher (Overseas Kiban B)	2013-2015	Co-PI	20,000 千円 (Jesmin part: 50% of the total grant)
Exploration of mechanisms underlying organ-specific aberrant VEGF signaling in sepsis and development of innovative therapeutic approaches based on microcirculation	Japan Ministry of Science and Education for Established Researcher (Kiban C)	2013-2015	PI	5,000 千円
Estrogen receptor and VEGF signaling abnormalities in a mouse model of post-menopause and diabetes.	Japan Ministry of Science and Education for Established Researcher (Kiban C)	2013-2015	Co-PI	5,000 千円 (Jesmin part: 80% of the total grant)

Association between environmental pollutant and non-communicable diseases (NCDs) in Bangladesh	Japan Society for Promotion and Science (JSPS) and University Grant Commission (UGC), Bangladesh	2013-2014	Co-PI	6,000 千円 (Jesmin part: 35% of total grant)
Comprehensive Analysis of Emerging Risk Factors of Coronary Heart Disease in Young Population of South Asia: a multidisciplinary and multifaceted investigation for prevention strategy	Japan Ministry of Science and Education for Established Researcher (Overseas Kiban B)	2012-2014	Co-PI	20,000 千円 (Jesmin part: 80% of total grant)
Role of HIF-1 in sepsismechanism	Scientific research priority grant (Houga), Japan Ministry of Education and Science	2012-2013	Co-PI	5,000 千円 (Jesmin part: 50% of total grant)
Clinical validation of VEGF as a potential novel biomarker to predict the risk of developing diabetes and its cardiovascular complications in	Japan Ministry of Science and Education for Established Researcher (overseas Kiban B)	2011-2013	Co-PI	17,000 千円 (Jesmin part: 90% of total grant)
Investigation of chronic kidney disease in rural Bangladeshi population	Japan Ministry of Science and Education for Established Researcher (overseas Kiban B)	2011-2013	Co-PI	16,500 千円 (Jesmin part: 70% of total grant)
Designing appropriate health microinsurance products for providing maternal and child healthcare in rural Bangladesh	Japan Ministry of Science and Education for Established Researcher (overseas Kiban B)	2011-2013	Co-PI	16,000 千円 (Jesmin part: 90% of total grant)
VEGF as a Potential Candidate for Developing Novel Therapy and Diagnosis for MODS in Sepsis: Development of microcirculation-based therapeutic and diagnostic approach in sepsis	Japan Ministry of Science and Education for Young Researcher (Wakate B)	2011-2012	PI	5,000 千円 (Jesmin part: 100% of total grant)
Assessment of Prevalence and Trends of Metabolic Syndrome among Bangladeshi Rural Women: From basic epidemiology to genetic screening	Japan Ministry of Science and Education for Established Researcher (Overseas Kiban B)	2010-2012	Co-PI	20,000 千円 (Jesmin part: 90% of total grant)

Diagnostic innovation for sepsis and emerging infectious diseases through microcirculatory approach	Japan Ministry of Science and Education for Established Researcher (Kiban A)	2009-2013	Co-PI	50,000 千円 (Jesmin part: 80% of total grant)
Role of VEGF in acute respiratory distress syndrome (ARDS) in sepsis	Japan Ministry of Science and Education for Young Researcher (Wakate B)	2008-2009	PI	4,200 千円 (Jesmin part: 100% of total grant)
The relationship between VEGF and protease activated receptors in the pathogenesis of multi-organ dysfunction syndrome in sepsis	Japan Ministry of Science and Education for Established Researcher (Kiban B)	2007-2008	Co-PI	18,320 千円 Combinedly, used
Role of protease activated receptors in the pathogenesis of multi-organ dysfunction syndrome in sepsis	Japan Ministry of Science and Education for Established Researcher (Kiban B)	2005-2006	Co-PI	19,000 千円 Combinedly used
Role of endothelin in cardiovascular complications and associated therapeutic strategies in diabetes	Japan Society for Promotion and Science (JSPS)	2005-2006	PI	2,400 千円 (Jesmin part: 100% of total grant)
Role of estrogen in cardio-cerebrovascular protection in postmenopausal women	Japan Ministry of Science and Education for Established Researcher (Kiban B)	1999-2001	Co-PI	20,000 千円 Combinedly used

Japanese Foundation / Company

Grant Title	Funding Source	Duration	Status	Amount (JPY)
Role of estrogen and estrogen receptors in diabetes development in postmenopausal women	Naito Memorial Foundation, Tokyo, Japan	2017-2019	PI	6,000 千円
Clarification of role of pitavastatin in diabetic cardiomyopathy	Kowa pharmaceutical company, Osaka, Japan	2011-2012	Co-PI	2,000 千円 (Jesmin part: 100% of total grant)
Genetic epidemiological studies of metabolic syndrome of rural women in Bangladesh	Uehara Memorial Foundation, Tokyo, Japan	2011-2012	PI	2,000 千円
Research on the role of estrogen in cardiac protection in post-menopausal women	Kanzawa Medical Foundation, Tokyo, Japan	2009	PI	1,000 千円

Investigation of defect of VEGF system in hypertensive cardiac tissues	Japanese Society of Hypertension and Metabolism	2003	PI	100 千円
Role of endothelin in the pathogenesis of stroke	Hokkaido University Clerk Research Fund	2003	PI	500 千円
Calcium channel blocker and diabetic cardiac complications	Kyowa Hakko Pharmaceutical Company, Tokyo	2001-2003	Co-PI	11,838 千円 Combinedly used
Development of artificial red blood cells for ischemic brain diseases	The New Energy and Industrial Technology Development Organization (NEDO)	2001-2003	Co-PI	50,000 千円 Combinedly used
Therapeutic option by angiotensin II type I receptor blockade for diabetic cardiomyopathy	Takeda Pharmaceutical Company	2001-2002	Co-PI	10,000 千円 Combinedly used

Japan Institutional

Grant Title	Funding Source	Duration	Status	Amount (JPY)
Prevention of cognitive decline in type 2 diabetes through longer duration of exercise through hippocampal glycogen-MCT2 pathway	ARHHIP research project (the University of Tsukuba, Faculty of Health and Sports Science)	2018	PI	280 千円
Development of an exercise prescription method for prevention and treatment of diabetic complications based on the state of internal microcirculation system and VEGF system	ARHHIP research project (The University of Tsukuba, Faculty of Health and Sports Science)	2017	PI	300 千円
Can exercise enhance women's cognitive function with estrogen depression?: Involvement of hippocampal neurons and angiogenesis via the VEGF system	ARHHIP research project (University of Tsukuba, Faculty of Health and Sports Science)	2016	PI	400 千円
Exploration of role of estrogen/estrogen receptors in VEGF angiogenic signaling in diabetic cardio/cerebrovascular	National Center for Global Health and Medicine (NCGM), Tokyo, Japan, local fund	2013-2015	Co-PI	16,800 千円 (Jesmin part: 60% of total grant)

Role of the estrogen / co-receptor-VEGF angiogenic baseline in the pathology of diabetic cardiovascular disease	National Center for Global Health and Medicine (NCGM), Tokyo, Japan, local fund	2011-2013	PI	6,500 千円
Studies on cardiovascular diseases in metabolic syndrome	National Center for Global Health and Medicine (NCGM), Tokyo, Japan, local fund	2011	PI	1,700 千円
Identification of Social Innovative Approaches beyond MDGs	National Center for Global Health and Medicine (NCGM), Tokyo, Japan (funding for international research cooperation)	2011	Co-PI	7,000 千円 (Jesmin part: 30% of total grant)
Mechanism of diabetes development of postmenopausal women	Local grant, National Center for Global Health and Medicine (NCGM), Tokyo, Japan	2010	PI	2,000 千円 (Jesmin part: 100% of total grant)
Diabetes and cardiovascular complications in rural women in Bangladesh	Funding for international cooperation, International Medical Center of Japan (IMCJ), Tokyo, Japan	2009	Co-PI	7,000 千円 (Jesmin part: 30% of total grant)
Research on pathogenesis and therapeutic strategies of diabetes mellitus	Local grant, International Medical Center of Japan (IMCJ), Tokyo, Japan	2008	PI	1,980 千円 (Jesmin part: 100% of total grant)
Diabetes and cardiovascular diseases in women	Local grant, International Medical Center of Japan (IMCJ), Tokyo, Japan	2007	PI	2,000 千円 (Jesmin part: 100% of total grant)

Global

Grant Title	Funding Source	Duration	Status	Amount (JPY)
Gestational Diabetes advocacy and capacity building in Bangladesh	World Diabetes Foundation, Denmark.	2011-2014	PI	31,500 千円
Investigation of the role of Vascular Endothelial Growth factor in cervical remodeling	The Academy of Sciences for the developing world, TWAS Research grants	2011-2012	PI	1,450 千円

Role of estrogen in cerebral protection	Appalachian State University Research Grant- USA	2006	Co-PI	500 千円 Combinedlyused
Role of VEGF in cervical ripening	Northeastern Ohio Univ. NEOUCOM Research Challenge Grant-USA	2005	Co-PI	1,300 千円 Combinedlyused

C. Presentation

(I). Invited talk:

1. **Jesmin, S.:** *Guest of Honor, Global Eminence Award 2022, India, July, 2022.*
2. **Jesmin, S.:** Online lecture: Diabetes, complications and erectile dysfunction (Symposium arranged by Sonar Desh Clinic, Bogra, Bangladesh, February 22, 2022).
3. **Jesmin, S.:** Online oral presentation: Exercise regimen on DM prevention: a classical example from Bangladeshi rural women: Oral presentation arranged by Bangladesh Association for Rural Health Development, November 11, 2021.
4. **Jesmin, S.:** Online oral presentation: Diabetes and memory: A special online conference arranged by HDRCRP, Bangladesh, July 19, 2021.
5. **Jesmin, S.:** Online lecture: Lifestyle Medicine and Diabetes: Symposium, Diabetes Education, Bogra, May 13, 2021.
6. **Jesmin, S.:** Online lecture: Diabetes and erectile dysfunction (invited by Diabetes Prevention Society, Bangladesh, January 29, 2021).
7. **Jesmin, S.:** Invited on line lecture: What we can do diabetes prevention (invited by Bogra Medical College, Bangladesh), December 27, 2020.
8. **Jesmin, S.:** Online poster presentation: Exercise regimen on DM prevention: an example from Bangladeshi rural women: Poster presentation arranged by Bangladesh physical activity association, December 15, 2020.
9. **Jesmin, S.:** Online oral presentation: Diabetes and memory complications: A special online conference arranged by HDRCRP, Bangladesh, September 19, 2020.
10. **Jesmin, S.:** Online lecture: Effects of exercise on diabetic complications: Symposium: Diabetes Education, June 2020.
11. **Jesmin, S.:** Role of supervisor for the University students at scientific medical article writing, Conference on Global Educational Leadership, Mumbai, India, March, 2022.
12. **Jesmin, S.:** Inspirational speech, Conference on Global Educational Leadership, Mumbai, India, March, 2022.
13. **Jesmin, S.:** Leadership speech invited by Passion Vista, International women day, India, 8th March, 2022.
14. **Jesmin, S.:** Motivational speech, 28 *Credentials of Entrepreneur (28COE) Award Ceremony*, Dubai, U.A.E, March, 2022.
15. **Jesmin, S.:** Motivational speech, Discussion with 11 Women Scientists on their upcoming book "Nature CURE's: Trusting The Bio Molecules", International Women's Day, 8th March, 2022.
16. **Jesmin, S.:** International Women's Day Panel discussion: Gender Equality Today For A Sustainable Tomorrow, 8th March, 2022.
17. **Jesmin, S.:** UN speaker for women's empowerment. *Amity International Literature Festival (AILF 3.0)*, Amity University, India (Online), 23rd-26th June, 2022.
18. **Jesmin, S.:** Address by guest of honor, *Amity International Literature Festival (AILF 3.0)*, Amity University, India (Online), 23rd June, 2022.

19. **Jesmin, S.:** Panelists, Out of the esoteric to the exoteric A Celebrit's congregation, *Amity International Literature Festival (AILF 3.0)*, Amity University, India (Online), 26th June, 2022.
20. **Jesmin, S.:** Panelists, Formulation of Global Literature, *Amity International Literature Festival (AILF 3.0)*, Amity University, India (Online), 25th June, 2022.
21. **Jesmin, S.:** Conclusion speech, *Amity International Literature Festival (AILF 3.0)*, Amity University, India (Online), 26th June, 2022.
22. **Jesmin, S.:** Informal meeting speech (post meeting), *Amity International Literature Festival (AILF 3.0)*, Amity University, India (Online), 26th June, 2022.
23. **Jesmin, S.:** Prevention of workplace bullying invited speech online webinar, India, Workplace bullying awareness week 17th - 23rd October 2021.
24. **Jesmin, S.:** The USPSC Women @ Work+Wonders:DirectorsCut Roundtable, Asia Edition, SPOTLIGHTS, Online, September 2021
25. **Jesmin, S.:** Prevention of hippocampal cognitive dysfunction from pre-diabetes through a mild d exercise prescription for four months: Involvement of astrocyte glycogen-MCT2 pathway, *2nd joint international workshop of NIPS and ARIHHP on high human performance*, Okazaki, Japan, August 2018
26. **Jesmin, S.:** Does low-intensity exercise training over 4 months since the onset of type 2 diabetes prevent hippocampal functional decline? *The 2nd ARIHHP International Forum*, March 2018
27. **Jesmin, S.:** Six weeks moderate exercise is effective in ameliorating spatial memory impairment in the estrogen-depleted female rat, *International ARIHHP Forum Science week* (selected oral presentation), University of Tsukuba, Japan, March 2017
28. **Jesmin, S.:** Effects of daily exercise on low HDL level in Bangladeshi women, *Annual meeting on disease prevention held at Bogura Medical College*, Bogura, Bangladesh, May 2017
29. **Jesmin, S.:** Can early diabetes be prevented in rural Bangladesh through a daily exercise program, *Symposium held by HDRCRP Bangladesh on Diabetes Prevention*, Dhaka, Bangladesh, July 2016
30. **Jesmin, S.:** Effects of exercise on non-communicable disease prevention in South Asia, *invited by Appalachian State University* (Department of biology, Dr. Chishimba Nathan Mowa), NC, U.S.A., August 2015
31. **Jesmin, S.:** Gestational diabetes mellitus: a neglected health issue in Bangladesh, *41st AGM & 23rd International Scientific Conference of Bangladesh Society of Obstetrics-2014*, Dhaka, Bangladesh, September 2014
32. **Jesmin, S.:** Gestational Diabetes Mellitus in Bangladesh, *A Special Seminar on Gestational Diabetes Mellitus (GDM) including Panel Discussion*, Keynote speaker, Dhaka, Bangladesh, September 2014
33. **Jesmin, S.:** National burden of non-communicable disease risk factors in Bangladesh, *Symposium held by Bogra Medical College*, Bangladesh, September 2014
34. **Jesmin, S.:** How to conduct epidemiological health research in a foreign country, *invited by Immunobion*, Sapporo, Japan, June 2014
35. **Jesmin, S.:** Innovation of Therapeutic Strategy to Restore Coronary Microcirculation and VEGF Signalling Cascade in Diabetes, *4th Annual Pharmacovigilance Asia*, Singapore, May 2013
36. **Jesmin, S.:** Maternal Health and NCDs- the links, the challenges, and Opportunities, Sponsored by WDF, *Conference of the South Asian Federation of Obstetrics and Gynaecology*, Agra, India, Feb -March 2013
37. **Jesmin, S.:** Organ-specific differential effect of landiolol hydrochloride, an ultra-short-acting β -blocker, on endothelin system in an animal model of sepsis: A new horizon of exploring the therapeutic potential of target molecule-based drug innovation in sepsis, *Annual Research Meeting Sponsored by Ono Pharmaceuticals*, Tsukuba, Japan, July 2013
38. **Jesmin, S.:** Research conduct on diabetic complications at the hospital level, *Department of Podiatry, Faculty of Health Sciences, University of Johannesburg*, South Africa, May 2013
39. **Jesmin, S.:** Current update on the management of gestational diabetes mellitus in South Asia, *1st National Level Round Table Conference on GDM*, Dhaka, Bangladesh, August 2012
40. **Jesmin, S.:** A novel approach to restore coronary microcirculation and VEGF signaling cascade in

- diabetes, *2nd Annual World Congress of Endobolism (WCE 2012)*, Beijing, China, June 2012
41. **Jesmin, S.:** Metabolic syndrome in Bangladeshi rural women: A study of basic epidemiology to biomarker assessment, *1st Annual World Congress of Diabetes (WCD 2012)*, Beijing, China, June 2012
 42. **Jesmin, S.:** Estimation of the prevalence of gestational diabetes mellitus in Rural Bangladesh, *First Euro-India International Conference on Diabetes*, Kerala, India, April 2012
 43. **Jesmin, S.:** Development of Therapeutic Strategies to Restore Coronary Microcirculation and VEGF Signaling Cascade in Diabetes: A novel approach to prevent cardiac complication in diabetes, *First Euro-India International Conference on Diabetes*, Kerala, India, April 2012
 44. **Jesmin, S.:** Role of Estrogen/Estrogen Receptors in VEGF Signaling in Female Brain, *Tokyo International conference on neuroscience*, Tokyo, Japan, March 2012
 45. **Jesmin, S.:** Deletion of Estrogen Receptor Predominantly Affects Coronary Capillary Density and Cardiac VEGF Signaling Cascade in Female Mice, *International Conference on Integrated Preventive Cardiology*, Mumbai, India, November 2011
 46. **Jesmin, S.:** Non-communicable diseases in South Asia: the current status and future needs, *World Healthcare Congress*, Washington DC, USA, April 2010
 47. **Jesmin, S.:** Effects of pitavastatin on microcirculation-based cardiac remodeling in diabetic cardiomyopathy, *Annual Research Meeting of Kowa Pharmaceuticals*, Kobe, Japan, August 2010
 48. **Jesmin, S.:** VEGF signaling is disrupted in the hearts of mice lacking estrogen receptor- α , *Annual Research Meeting of Kanzawa Medical Foundation*, Tokyo, Japan, May 2010
 49. **Jesmin, S.:** Coronary Microcirculation and Diabetes, *International Medical Center of Japan*, Tokyo, Japan, July 2009
 50. **Jesmin, S.:** Exploration of the molecular and genetic pathogenesis of the cardiovascular complication of life-style related disease: A potential approach for molecule-based drug development, *International Medical Center of Japan*, Tokyo, Japan, December 2008
 51. **Jesmin, S.:** Genetic signature approach in the prevention of diabetic cardiomyopathy, *Health Science Center, Ibaraki Prefectural University*, Ami, Japan, November 2008
 52. **Jesmin, S.:** Role of endothelins in cardiovascular remodeling in diabetes, *Health Science Center, Ibaraki Prefectural University*, Ami, Japan, November 2008
 53. **Jesmin, S.:** Role of VEGF in vascular complications in sepsis, *Hokkaido University Graduate School of Medicine*, Sapporo, Japan, October 2008
 54. **Jesmin, S.:** Cardiovascular complication and Metabolic syndrome, *Association of General Medical Practitioners*, Dhaka, Bangladesh, January 2007
 55. **Jesmin, S.:** Calcium channel blocker and cardioprotection in diabetes, *Bogra Medical College*, Bogra, Bangladesh, January 2007
 56. **Jesmin, S.:** Role of VEGF (Vascular Endothelial Growth Factor) in the Pathogenesis of Various Disease Complications: a Future Target for Therapeutic Implication, *International Medical Center of Japan*, Tokyo, Japan, November 2007
 57. **Jesmin, S.:** Endothelin antagonism in diabetic cardiovascular complication, *University of Tsukuba*, Tsukuba, Japan, September 2006
 58. **Jesmin, S.:** Estrogen and coronary capillary remodeling, *Hokkaido Health Science University*, Hokkaido, Japan, September 2005
 59. **Jesmin, S.:** The effect of Endothelin antagonism on cardiac remodeling induced by hypertension and diabetes: cross-talk with the renin-angiotensin system, *The 8th advanced circulation forum*, Tokyo, Japan, August 2005
 60. **Jesmin, S.:** Endothelin antagonism on cardiac remodeling induced by hypertension and diabetes: cross-talk with the renin-angiotensin system, *Cardiovascular Medicine 21, the 5th forum*, Tokyo, Japan, July 2005
 61. **Jesmin, S.:** Role of RAS in diabetic cardiac complications, *University of Tsukuba*, Tsukuba, Japan, March 2005

62. **Jesmin, S.:** Blockade of RAS in Diabetic Cardiac Remodeling, *Noagoan District Hospital*, Noagoan, Bangladesh, July 2004
63. **Jesmin, S.:** Role of Protease activated receptors in sepsis, *Hokkaido University Graduate School of Medicine*, Sapporo, Japan, October 2004
64. **Jesmin, S.:** Possible Molecular Mechanisms Underlying the Stroke Susceptibility of SHRSP, *Annual Lectures of Molecular Physiology Society of Japan*, Sendai, Japan, October 2003
65. **Jesmin, S.:** VEGF, its receptors and other angiogenic growth factors are altered potentially in an age-related manner in SHRSP heart, *The 67th Annual Scientific Meeting of the Japanese Circulation Society*, Fukuoka, Japan, March 2003
66. **Jesmin, S.:** Microcirculation Research in Diabetic Heart, *Immunobion*, Sapporo, Japan, October 2003
67. **Jesmin, S.:** cDNA microarray analysis of gene expression in the heart of SHRSP, *38th Annual Meeting of Society for the Spontaneously Hypertensive Rat*, Wakayama, Japan, October 2002
68. **Jesmin, S.:** Coronary Capillary Remodeling in Diabetes, *Rajshahi Medical College Hospital*, Rajshahi, Bangladesh, September 2002
69. **Jesmin, S.:** Effects of estrogen on cardiac and cerebral angiogenic signaling in middle-aged female rats, *Special lecture by the established scientist, Hokkaido University Graduate school of Medicine*, Sapporo, Japan, April 2002
70. **Jesmin, S.:** Role of estrogen in female cardiac protection, *Annual research Meeting*, Kowa, Tokyo, Japan, June 2001
71. **Jesmin, S.:** Estrogen replacement therapy may improve coronary blood flow in senile female rats: An investigation at the molecular level, *International Symposium on Medicine in the New Millennium*, Kyoto, Japan, June 2001

(II) International congress presentation:

1. Rahman, M.A.;**Jesmin, S.**; Sohael, F.; Sultana, S.N.; Islam, M.M.;Shimojo, N.; Yamaguchi, N.; Yashima, Y.; Kawano, S.; Okazaki, O.; Habib, A.K.M.A.: Comprehensive analysis of emerging risk factors of coronary heart disease in young population in Bangladesh: *European Society of Cardiology*, Singapore, 8-10 November, 2019.
2. **Jesmin, S.**; Rahman, M.A.;Sohael, F.; Sultana, S.N.; Islam, M.M.;Shimojo, N.; Yamaguchi, N.; Yashima, Y.; Kawano, S.; Okazaki, O.; Habib, A.K.M.A.: Dual endothelin (ET)-A/B receptor antagonist is better than selective ET-A receptor antagonist in ameliorating the decreased VEGF signaling and inadequate coronary collateral development in early Diabetes: *European Society of Cardiology*, Singapore, 8-10 November, 2019.
3. Rahman, M.A.;**Jesmin, S.**; Sohael, F.; Sultana, S.N.; Islam, M.M.;Shimojo, N.; Yamaguchi, N.; Yashima, Y.; Kawano, S.; Okazaki, O.; Habib, A.K.M.A.: Hypertension among the adult population in Bangladesh: Results from a nation-wide survey: *European Society of Cardiology*, Singapore, 8-10 November, 2019.
4. **Jesmin, S.**; Rahman, M.A.;Shima, T.; Takahashi, K.; Matsuishi, Y.; Iwashima, Y.; Yamaguchi, N.; Kawano, S.; Shimojo, N.; Okazaki, O.; Soya, H.: A four months exercise regimen from pre-diabetes is effective in the prevention of hippocampal spatial memory dysfunction in early type 2 diabetes: potential impact on hippocampal downregulated MCT-2: *World Congress of European Society of Cardiology*, Paris, France, 31 August- 4 September, 2019.
5. **Jesmin, S.**; Rahman, M.A.;Sohael, F.; Sultana, S.N.; Islam, M.M.;Shimojo, N.; Yamaguchi, N.; Yashima, Y.; Kawano, S.; Okazaki, O.; Habib, A.K.M.A.; Watanabe, K.: Disrupted VEGF angiogenic signaling system in metabolic syndrome subjects in rural Bangladeshi women: *World Congress of European Society of Cardiology*, Paris, France, 31 August- 4 September, 2019.

6. **Jesmin, S.**; Takafumi, M.; Fumi, T.: Profiling of nationwide noncommunicable disease risk factors in Bangladesh: *8th International Conference on Epidemiology & Public Health*, Tokyo, Japan, 21-22 October, 2019.
7. **Jesmin, S.**; Shima, T.; Soya, M.; Takahashi, K.; Omura, K.; Ogura, K.; Matsuishi, Y.; Koizumi, H.; Soya, H.: Mild exercise regimen from pre-diabetic stage prevents the onset of type 2 diabetes and its related hippocampal memory dysfunction: *The 1st International Sport Neuroscience Conference*, IBRO satellite Forum, Tsukuba, 18 - 19, September, 2019.
8. **Jesmin, S.**; Rahman, M.A.; Sohael, F.; Sultana, S.N.; Islam, M.M.; Shimojo, N.; Yamaguchi, N.; Yashima, Y.; Kawano, S.; Okazaki, O.; Habib, A.K.M.A.; Sanada, H.: A short term mild exercise program through daily walking improves circulatory low HDL level in Bangladeshi population: *World Congress of Cardiology & Cardiovascular Health*, United Arab Emirates, Dubai, 5-8 December, 2018.
9. Rahman, M.A.; **Jesmin, S.**; Sohael, F.; Sultana, S.N.; Islam, M.M.; Shimojo, N.; Naoto Yamaguchi, N.; Yashima, Y.; Kawano, S.; Okazaki, O.; Habib, AKMA.; Sanada, H.: Nationwide assessment of Hypertension among the adult population in Bangladesh: *World Congress of Cardiology & Cardiovascular Health*, United Arab Emirates, Dubai, 5-8 December, 2018.
10. Rahman, M.A.; **Jesmin, S.**; Sohael, F.; Sultana, S.N.; Islam, M.M.; Rahman, O.; Rahman, M.; Shimojo, N.; Masao Moroi, Yamaguchi, N.; Yashima, Y.; Kawano, S.; Habib, AKMA.; Sanada, H.: Higher circulatory level of endothelin-1 in Hypertensive subjects screened through a cross-sectional study in Bangladeshi women: *World Congress of Cardiology & Cardiovascular Health*, United Arab Emirates, Dubai, 5-8 December, 2018.
11. Rahman, M.A.; **Jesmin, S.**; Sohael, F.; Sultana, S.N.; Islam, M.M.; Shimojo, N.; Yamaguchi, N.; Iwashima, Y.; Kawano, S.; Okazaki, O.; Habib, A.K.M.A.; Sanada, H.: Prevalence of Hypertension and the associated risk factors in postmenopausal women in Bangladesh: a study from basic epidemiology to biomarker assessment, *27th scientific meeting of the international society of hypertension*, Beijing, China, 20-23 September, 2018.
12. Rahman, M.A.; **Jesmin, S.**; Sohael, F.; Sultana, S.N.; Islam, M.M.; Rahman, O.; Islam, K.N.; Hasan, B.; Rahman, M.; Shimojo, N.; Moroi, M.; Yamaguchi, N.; Iwashima, Y.; Kawano, S.; Habib, A.K.M.A.: Endothelin-1 levels in hypertensive subjects in rural Bangladeshi women: An investigation in South Asia, *27th scientific meeting of the international society of hypertension*, Beijing, China, 20-23 September, 2018.
13. **Jesmin, S.**; Rahman, M.A.; Sohael, F.; Sultana, S.N.; Islam, M.M.; Shimojo, N.; Yamaguchi, N.; Iwashima, Y.; Kawano, S.; Okazaki, O.; Habib, A.K.M.A.; Sanada, H.: Potential Reversal of Upregulated Renin-Angiotensin System by Endothelin Antagonism in the hypertrophied Heart of Stroke Prone Spontaneously Hypertensive Rat (SHR-SP), *27th scientific meeting of the international society of hypertension*, Beijing, China, 20-23 September, 2018.
14. **Jesmin, S.**; Shima, T.; Takahashi, K.; Omura, K.; Khatun, A.; Matsuishi, Y.; Koizumi, H.; Soya, M.; Sato, R.; Jangsoo, Y.; Kasane, O.; Matsui, T.; Iwashima, Y.; Yamaguchi, N.; Kawano, S.; Shimojo, N.; Soya, H.: Prevention of type 2 diabetes mellitus-induced hippocampal cognitive dysfunction from pre-diabetic stage through a 4 months mild exercise regimen. *International ARIHHP Forum*, University of Tsukuba, Japan, February 28, 2018.
15. Nakamura, K.; Sato, R.; Miyazaki, T.; **Jesmin, S.**; Soya, H.: Ketone body dynamics with exercise at different conditions: Usefulness of LC-MS/MS system, *Laboratory of exercise biochemistry, 1st joint international workshop of NIPS and ARIHHP on high human performance*, Okazaki, Japan, August 2018
16. **Jesmin, S.**; Takahashi, K.; Shima, T.; Omura, K.; Nakamura, K.; Soya, M.; Shimojo, N.; Kawano, S.; Iwashima, Y.; Yamaguchi, N.; Soya, H.: Six weeks moderate exercise is effective in ameliorating hippocampal spatial memory impairment in estrogen-depleted female rat: Potential involvement of hippocampal VEGF-Akt signaling pathway, *2nd joint international workshop of NIPS and ARIHHP on high human performance*, Okazaki, Japan, August 2018

17. Takahashi, K.; Shima, T.; Yook, J.S.; Soya, M.I.; Koizumi, H.; Okamoto, M.; **Jesmin, S.**; Soya, H.: Evidence for hypothalamic regulation by AVP and CRH in running-induced stress responses, *Annual meeting of American College of Sports Medicine*, USA, May, 2018
18. Nakamura, K.; Sato, R.; Miyazaki, T.; **Jesmin, S.**; Soya, H.: Ketone body dynamics across the blood-brain barrier in response to exercise at different intensities: Usefulness of LC-MS/MS system, *2nd General Meeting on Creation and Promotion of WILLDYNAMICS*, Tokyo Campus of University of Tsukuba, Japan, February 2018.
19. **Jesmin, S.**; Shima, T.; Takahashi, K.; Omura, K.; Khatun, A.; Matsuishi, Y.; Koizumi, H.; Soya, M.I.; Sato, R.; Jangsoo, Y.; Kasane, O.; Matsui, T.; Iwashima, Y.; Yamaguchi, N.; Kawano, S.; Shimojo, N.; Soya, H.: Prevention of type 2 diabetes mellitus-induced hippocampal cognitive dysfunction from pre-diabetic stage through a 4 months mild exercise regimen, *2nd General Meeting on Creation and Promotion of WILLDYNAMICS*, Tokyo Campus of University of Tsukuba, Japan, February 2018.
20. **Jesmin, S.**; Takahashi, K.; Shima, T.; Matsuishi, Y.; Soya, M.; Yook, J.S.; Ogura, K.; Shimojo, N.; Kawano, S.; Iwashima, Y.; Yamaguchi, N.; Soya, H.: Six weeks moderate exercise is effective in ameliorating spatial memory impairment in estrogen-depleted female rat, *International ARIHHP Forum Science week*, University of Tsukuba, Tsukuba, Japan, March 2017
21. **Jesmin, S.**; Shima, T.; Takahashi, K.; Matsuishi, Y.; Soya, M.; Yook, J.S.; Koizumi, H.; Soto, R.; Ogura, K.; Shimojo, N.; Kawano, S.; Iwashima, Y.; Soya, H.: A relatively longer duration of exercise regimen from pre-diabetes prevents spatial memory impairment with improvement of diabetic symptoms in a type 2 diabetic rat model, *Global Initiative for Sports Neuroscience 2017*, Tsukuba, Japan, February 2017
22. Shima, T.; **Jesmin, S.**; Takahashi, K.; Soya, M.; Oharazawa, A.; Matsui, T.; Soya, H.: Mild exercise improves memory dysfunction in a rat model of type 2 diabetes: involvement of hippocampal glycometabolism, *Global Initiative for Sports Neuroscience 2017*, Tsukuba, Japan, February 2017
23. Mamun, A.A.; **Jesmin, S.**; Rahman, M.A.; Islam, M.M.; Shimojo, N.; Sultana, S.N.; Okazaki, O.; Kawano, S.: Effects of endothelin receptor antagonism on VEGF signaling in diabetic penis: A possible clinical implication for diabetes erectile dysfunction, *The 25th AACE Annual Scientific & Clinical Congress*, Orlando, Florida, U.S.A., May 2016
24. Mamun, A.A.; **Jesmin, S.**; Rahman, M.A.; Islam, M.M.; Shimojo, N.; Sultana, S.N.; Yamaguchi, N.; Okazaki, O.; Kawano, S.: Diabetes induced cardiac VEGF system in estrogen/estrogen receptor manipulated animal model, *The 25th AACE Annual Scientific & Clinical Congress*, Orlando, Florida, U.S.A., May 2016
25. Mamun, A.A.; **Jesmin, S.**; Rahman, M.A.; Habib, A.K.M.A.; Islam, M.M.; Shimojo, N.; Sultana, S.N.; Sohael, F.; Okazaki, O.; Moroi, M.; Kawano, S.: Prevalence of metabolic syndrome components among early age onset acute in coronary syndrome patients in Bangladesh, *The 25th AACE Annual Scientific & Clinical Congress*, Orlando, Florida, U.S.A., May 2016
26. Mamun, A.A.; **Jesmin, S.**; Rahman, M.A.; Habib, A.K.M.A.; Islam, M.M.; Sultana, S.N.; Sohael, F.; Shimojo, N.; Okazaki, O.; Kawano, S.: National burden on non-communicable disease risk factors in Bangladesh, *The 25th AACE Annual Scientific & Clinical Congress*, Orlando, Florida, U.S.A., May 2016
27. Mamun, A.A.; **Jesmin, S.**; Rahman, M.A.; Islam, M.M.; Sohael, F.; Sultana, S.N.; Yamaguchi, N.; Okazaki, O.; Kawano, S.: Gestational diabetes mellitus (GDM) in Bangladesh, *The 25th AACE Annual Scientific & Clinical Congress*, Orlando, Florida, U.S.A., May 2016
28. Soya, M.; Matsui, T.; Shima, T.; **Jesmin, S.**; Soya, H.: Hippocampal glycogen supercompensation followed by glycogen loading with exhaustive exercise, *International HHP Forum*, University of Tsukuba, Japan, February 2016
29. **Jesmin, S.**; Rahman, M.A.; Akter, S.; Islam, M.M.; Khatun, T.; Sultana, S.N.; Zaedi, S.; Okazaki, O.; Iwashima, Y.; Kawano, S.: Circulatory Level of Endothelin-1 and Hypertension in Rural Women in Bangladesh: Assessment of Hypertension and the Associated Risk Factors in Postmenopausal Rural

Women in Bangladesh: A Study from Basic Epidemiology to Biomarker Assessment, *11th Asia Pacific Congress of Hypertension(APCH 2015)*, Bali, Indonesia, June 2015

30. Rahman, M.A.; **Jesmin, S.**; Islam, M.M.; Sohael, F.; Hasan, A.S.H.; Zaedi, S.; Sultana, S.N.; Yamaguchi, N.; Kawano, S.; Okazaki, O.; Habib, A.K.M.A.: Circulatory Level of Endothelin-1 and Hypertension in Rural Women in Bangladesh: A Potential Association Evidenced From a Community Based Cross-Sectional Study, *11th Asia Pacific Congress of Hypertension(APCH 2015)*, Bali, Indonesia, June 2015
31. **Jesmin, S.**; Rahman, M.A.; Islam, M.M.; Zaedi, S.; Hasan, A.S.H.; Habib, A.K.M.A.; Khatun, T.; Sultana, S.N.; Yamaguchi, N.; Okazaki, O.; Kawano, S.; Iwashima, Y.: A Nationwide Assessment of Hypertension Among the Adult Population in Bangladesh, *11th Asia Pacific Congress of Hypertension(APCH 2015)*, Bali, Indonesia, June 2015
32. **Jesmin, S.**; Rahman, M.A.; Habib, A.K.M.A.; Islam, M.M.; Sultana, S.N.; Zaedi, S.; Khatun, T.; Sohael, F.; Yamaguchi, N.; Okazaki, O.; Iwashima, Y.; Kawano, S.: Nationwide Non-Communicable Disease Risk Factors Profile in Bangladesh, *11th Asia Pacific Congress of Hypertension(APCH 2015)*, Bali, Indonesia, June 2015
33. Rahman, M.A.; **Jesmin, S.**; Sohael, F.; Ahmed, S.; Islam, M.M.; Sultana, S.N.; Hossain, O.F.S.; Habib, A.K.M.A.; Shimojo, N.; Kawano, S.: Disruption of components of VEGF angiogenic signaling system in metabolic syndrome: Findings from a study conducted in rural Bangladeshi women, *ESC Congress 2015*, London, U.K., August & September 2015
34. Rahman, M.A.; **Jesmin, S.**; Habib, A.K.M.A.; Khan, A.; Sohael, F.; Kawano, S.; Moroi, M.; Iwashima, Y.; Hossain, O.F.S.; Khatun, M.T.: Potential association of circulatory level of endothelin-1 and hypertension in rural women in Bangladesh: evidences from a community based cross-sectional study, *ESC Congress 2015*, London, U.K., August & September 2015
35. **Jesmin, S.**; Iwashima, Y.; Rahman, M.A.; Habib, A.K.M.A.; Shimojo, N.; Moroi, M.; Yamaguchi, N.; Okazaki, O.; Kawano, S.; Kawano, Y.: Nationwide prevalence, awareness, treatment and control of hypertension among the adult population in Bangladesh, *ESC Congress 2015*, London U.K., August & September 2015
36. **Jesmin, S.**; Rahman, M.A., Mamun, A.A.; Islam, M.M.; Khatun, T.; Sultana, S.N.; Sohael, F.; Sultana, S.N.; Habib, A.K.M.A.: Prevalence of Metabolic syndrome and its components among rural Bangladeshi women, *The 2nd SAFES (South Asian Federation of Endocrine Societies) Summit*, Dhaka, Bangladesh, April 2015
37. Rahman, M.A.; **Jesmin, S.**; Mowa, C.N.; Sohael, F.; Habib, A.K.M.A.; Islam, M.M.; Khatun, T.; Mamun, A.A.; Sultana, S.N.; Sultana, S.N.: Assessment of circulatory level of endothelin-1 in diabetic subjects screened through a cross sectional study from rural women in Bangladesh, *The 2nd SAFES (South Asian Federation of Endocrine Societies) Summit*, Dhaka, Bangladesh, April 2015
38. **Jesmin, S.**; Rahman, M.A.; Islam, M.M.; Sohael, F.; Sultana, S.N.; Khatun, T.; Habib, A.K.M.A.; Mamun, A.A.; Sultana, S.N.: Alteration of cardiac VEGF system in diabetic estrogen/estrogen receptor manipulated animal model, *The 2nd SAFES (South Asian Federation of Endocrine Societies) Summit*, Dhaka, Bangladesh, April 2015
39. **Jesmin, S.**; Rahman, M.A.; Mamun, A.A.; Islam, M.M.; Khatun, T.; Sultana, S.N.; Sohael, F.; Sultana, S.N.; Habib, A.K.M.A.: Assesment of metabolic syndrome prevalence and its components among rural Bangladeshi women, *Celebration of 2nd Public Health Foundation Day & Scientific Seminar*, Dhaka, Bangladesh, December 2014
40. Islam, M.M.; Rahman, M.A.; Mamun, A.A.; Sohael, F.; Sultana, S.N.; Sultana, S.N.; Khatun, T.; Habib, A.K.M.A.; **Jesmin, S.**: Higher level of endothelin-1 in metabolic syndrome in Bangladeshi rural women as observed in a population-based cross sectional study, *Celebration of 2nd Public Health Foundation Day & Scientific Seminar*, Dhaka, Bangladesh, December 2014
41. **Jesmin, S.**; Rahman, M.A.; Mamun, A.A.; Islam, M.M.; Sakuramoto, H.; Sabiruzzaman, M.; Khatun, T.; Alam, A.T.M.J.; Sultana, S.N.; Sultana, S.N.; Sohael, F.; Rahamn, S.: An investigation on the

nationwide prevalence and associated risk factors of anemia in reproductive ever married women in Bangladesh, *Celebration of 2nd Public Health Foundation Day & Scientific Seminar*, Dhaka, Bangladesh, December 2014

42. Rahman, M.A.; **Jesmin, S.**; Habib, A.K.M.A.; Haider, S.; Khan, A.; Islam, M.M.; Khatun, M.T.; Sultana, S.N.; Sultana, S.N.; Sohael, F.; Moroi, M.: Prevalence of metabolic syndrome components among early age onset acute coronary syndrome patients in Bangladesh, *Celebration of 2nd Public Health Foundation Day & Scientific Seminar*, Dhaka, Bangladesh, December 2014
43. **Jesmin, S.**; Mamun, A.A.; Rahman, M.A.; Islam, M.M.; Sultana, S.N.; Sultana, S.N.; Sohael, F.; Habib, A.K.M.A.: Disruption of components of VEGF angiogenic signaling system in metabolic syndrome: Findings from a study conducted in rural Bangladeshi women, *Celebration of 2nd Public Health Foundation Day & Scientific Seminar*, Dhaka, Bangladesh, December 2014
44. Mamun, A.A.; **Jesmin, S.**; Rahman, M.A.; Habib, A.K.M.A.; Islam, M.M.; Sultana, S.N.; Khatun, M.T.; Sohael, F.; Shimojo, N.; Okazaki, O.; Kawano, S.: National profile of non-communicable disease risk factors in Bangladesh, *Celebration of 2nd Public Health Foundation Day & Scientific Seminar*, Dhaka, Bangladesh, December 2014
45. Rahman, M.A.; **Jesmin, S.**; Mamun, A.A.; Islam, M.M.; Sohael, F.; Khatun, M.T.; Sultana, S.N.; Habib, A.K.M.A.: Potential association of circulatory level of endothelin-1 and hypertension in rural women in Bangladesh: evidences from a community based cross-sectional study, *Celebration of 2nd Public Health Foundation Day & Scientific Seminar*, Dhaka, Bangladesh, December 2014
46. **Jesmin, S.**; Mamun, A.A.; Rahman, M.A.; Habib, A.K.M.A.; Islam, M.M.; Sultana, S.N.; Khatun, M.T.; Sohael, F.; Okazaki, O.; Moroi, M.; Kawano, S.: Prevalence of metabolic syndrome components among early age onset acute coronary syndrome patients in Bangladesh, *10th International Diabetes Federation- Western Pacific Region Congress (10th IDF-WPR Congress)*, Suntec, Singapore, November 2014
47. **Jesmin, S.**; Mamun, A.A.; Rahman, M.A.; Islam, M.M.; Shimojo, N.; Sultana, S.N.; Yamaguchi, N.; Okazaki, O.; Kawano, S.: Effects of diabetes on cardiac VEGF system in estrogen/estrogen receptor manipulated animal model, *10th International Diabetes Federation- Western Pacific Region Congress (10th IDF-WPR Congress)*, Suntec, Singapore, November 2014
48. Mamun, A.A.; **Jesmin, S.**; Rahman, M.A.; Islam, M.M.; Khatun, M.T.; Sultana, S.N.; Yamaguchi, N.; Moroi, M.; Okazaki, O.; Kawano, S.: Metabolic syndrome prevalence and its components among rural Bangladeshi women, *10th International Diabetes Federation- Western Pacific Region Congress (10th IDF-WPR Congress)*, Suntec, Singapore, November 2014
49. Mamun, A.A.; **Jesmin, S.**; Rahman, M.A.; Islam, M.M.; Khatun, M.T.; Sultana, S.N.; Moroi, M.; Yamaguchi, N.; Okazaki, O.; Kawano, S.: Innovation of a potential novel biomarker to predict the risk of developing diabetes in postmenopausal women based on the estrogen-VEGF axis, *10th International Diabetes Federation- Western Pacific Region Congress (10th IDF-WPR Congress)*, Suntec, Singapore, November 2014
50. **Jesmin, S.**; Mamun, A.A.; Rahman, M.A.; Islam, M.M.; Habib, A.K.M.A.; Yamaguchi, N.; Moroi, M.; Okazaki, O.; Kawano, S.: Higher level of endothelin-1 in metabolic syndrome in Bangladeshi rural women as observed in a population-based cross sectional study, *10th International Diabetes Federation- Western Pacific Region Congress (10th IDF-WPR Congress)*, Suntec, Singapore, November 2014
51. **Jesmin, S.**; Mamun, A.A.; Rahman, M.A.; Islam, M.M.; Sultana, S.N.; Khatun, M.T.; Kawano, S.: A novel approach to prevent cardiac complication in diabetes through pharmacological intervention by restoring coronary microcirculation and VEGF signaling cascade in diabetes, *10th International Diabetes Federation- Western Pacific Region Congress (10th IDF-WPR Congress)*, Suntec, Singapore, November 2014
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228. Sakuma, I.; **Jesmin, S.**: Effects of Estriol on coagulation and Fibrinolysis in Postmenopausal Women with Coronary Risk Factors, *American Heart Association 72ndScientific Session, Atlanta, Georgia, U.S.A, November 1999*
229. Sakuma, I.; **Jesmin, S.**; Kitabatake, A.: Effects of estriol on coagulation and fibrinolysis in postmenopausal women, *The 9th International Menopause Society World Congress on the Menopause, Yokohama, Japan, October 1999*

(III) Local conference presentation

1. **Jesmin, S.**; Rahman, M.A.; Sohael, F.; Habib, A.K.M.A.; Sultana, S.N.; Yamaguchi, N.; Takafumi, M.; Fumi, T.: Profiling of nationwide non-communicable disease risk factors in Bangladesh, *The 78th Annual Meeting of Japanese Society of Public Health (JSPH) will be held in Kochi, Kochi City, Japan, October 2019*
2. **Jesmin, S.**; Rahman, M.A.; Watanabe, K.; Shimojo, N.; Yamaguchi, N.; Soya H.: A short term life style intervention program through daily walking improves circulatory low HDL level in Bangladeshi population: Annual meeting of Japanese Society of Physical Fitness and Sports Medicine, Tsukuba, Japan, 18-21 September 2019
3. **Jesmin, S.**; Takahashi, K.; Omura, K.; Shima, T.; Koizumi, H.; Nakamura, K.; Soya, M.I.; Kasane, O.; Yamaguchi, N.; Shimojo, N.; Kawano, S.; Iwashima, Y.; Soya, H.: 6 months moderate treadmill exercise is effective in ameliorating ovariectomy-induced spatial memory decline in hippocampus in female rats: Potential involvement of VEGF-Akt-eNOS pathway, *Annual meeting of Japanese Society of Physical Fitness and Sports Medicine, Fukui, Japan, September 2018*
4. **Jesmin, S.**; Shima, T.; Takahashi, K.; Omura, K.; Khatun, A.; Matsuishi, Y.; Koizumi, H.; Soya, M.I.; Sato, R.; Jangsoo, Y.; Kasane, O.; Matsui, T.; Iwashima, Y.; Yamaguchi, N.; Kawano, S.; Shimojo, N.; Soya, H.: Exercise from pre-diabetes prevents cognitive impairment with improvement of diabetic symptoms in a type 2 diabetic rat model, *Annual meeting of Japanese Society of Physical Fitness and Sports Medicine, Matsuyama, Japan, September 2017*
5. **Jesmin, S.**; Rahman, M.A.; Ogura, K.; Shima, T.; Matsuishi, Y.; Shimojo, N.; Kawano, S.; Soya, H.: Improvement of low HDL by daily habitual walking program in Bangladesh, *Annual meeting of Japanese Society of Physical Fitness and Sports Medicine, Iwate, Japan, September 2016*
6. **Jesmin, S.**; Mowa, C.N.; Rahman, M.A.; Sultana, S.N.; Islam, M.M.; Shiomjo, N.; Kawano, S.; Okazaki, O.; Sakuma, I.: Cardiac VEGF system in diabetic estrogen/estrogen receptor manipulated animal model, *Annual Meeting of Japanese Association for Gender-Specific Medicine, Sapporo, Japan, January 2016*
7. **Jesmin, S.**; Mowa, C.N.; Rahman, M.A.; Sultana, S.N.; Islam, M.M.; Shiomjo, N.; Kawano, S.; Okazaki, O.; Sakuma, I.: Development of a potential novel biomarker to predict the risk of developing diabetes and its cardiovascular complications in postmenopausal women based on the estrogen-VEGF axis: Innovation of non-estrogen based therapeutic option for women at high risk, *Annual Meeting of Japanese Association for Gender-Specific Medicine, Sapporo, Japan, January 2016*

8. **Jesmin, S.**; Mowa, C.N.; Khatun, M.T.; Rahman, M.A.; Sultana, S.N.; Islam, M.M.; Okazaki, O.; Kawano, S.; Sakuma, I.: Circulatory endothelin-1 level among pre- and post-menopausal rural women in Bangladesh: result from a population-based study, *Annual Meeting of Japanese Association for Gender-Specific Medicine*, Sapporo, Japan, January 2016
9. **Jesmin, S.**; Mowa, C.N.; Akter, S.; Rahman, M.M.; Rahman, M.A.; Sultana, S.N.; Islam, M.M.; Kawano, S.; Sakuma, I.: Higher gravidity and parity are associated with metabolic syndrome among rural Bangladeshi women, *Annual Meeting of Japanese Association for Gender-Specific Medicine*, Sapporo, Japan, January 2016
10. **Jesmin, S.**; Mowa, C.N.; Rahman, M.A.; Akter, S.; Islam, M.M.; Sultana, S.N.; Zaedi, S.; Okazaki, O.; Iwashima, Y.; Kawano, S.; Sakuma, I.: An investigation of hypertension and the associated risk factors in postmenopausal rural women in Bangladesh: a study from basic epidemiology to biomarker assessment, *Annual Meeting of Japanese Association for Gender-Specific Medicine*, Sapporo, Japan, January 2016
11. **Jesmin, S.**; Mowa, C.N.; Shimojo, N.; Zaedi, S.; Sultana, S.N.; Rahman, M.A.; Okazaki, O.; Yamaguchi, N.; Kawano, S.; Miyauchi, T.; Sakuma, I.: Effects of selective endothelin receptor antagonist on VEGF signaling system in diabetic penis: A possible clinical implication for diabetes induced erectile dysfunction, *Annual Meeting of Japanese Association for Gender-Specific Medicine*, Sapporo, Japan, January 2016
12. **Jesmin, S.**; Mowa, C.N.; Mamun, A.A.; Rahman, M.A.; Sultana, S.N.; Islam, M.M.; Kawano, S.; Okazaki, O.; Sakuma, I.: Gestational diabetes mellitus and its adverse consequences: A neglected health issue in Bangladesh, *Annual Meeting of Japanese Association for Gender-Specific Medicine*, Sapporo, Japan, January 2016
13. **Jesmin, S.**; Mowa, C.N.; Rahman, M.A.; Sultana, S.N.; Islam, M.M.; Kawano, S.; Okazaki, O.; Sakuma, I.: Exploration of Prevalence of Metabolic Syndrome in Pre- and Post-Menopausal Rural Women of Bangladesh: Result from a Population-Based Study, *Annual Meeting of Japanese Association for Gender-Specific Medicine*, Sapporo, Japan, January 2016
14. **Jesmin, S.**; Iwashima, Y.; Islam, M.M.; Rahman, M.A.; Habib, A.K.M.A.; Shimojo, N.; Moroi, M.; Yamaguchi, N.; Okazaki, O.; Kawano, S.; Kawano, Y.: Nationwide prevalence, awareness, treatment and control of hypertension among the adult population in Bangladesh, *The 37th Annual Scientific Meeting of the Japanese Society of Hypertension*, Yokohama, Japan, October 2014
15. **Jesmin, S.**; Iwashima, Y.; Islam, M.M.; Rahman, M.A.; Akter, S.; Hideaki, S.; Shimojo, N.; Moroi, M.; Yamaguchi, N.; Okazaki, O.; Kawano, S.; Kawano, Y.: Assessment of circulatory level of endothelin-1 in hypertensive subjects screened through a cross-sectional study in rural Bangladeshi women, *The 37th Annual Scientific Meeting of the Japanese Society of Hypertension*, Yokohama, Japan, October 2014
16. Yamaguchi, N.; **Jesmin, S.**; Ogura, Y.; Shimojo, N.; Mizutani, T.: Effects of β 1 blocker on LPS-induced septic renal injury- from the perspective of inflammatory system and Endothelin system, *The 56th Ibaraki Kidney Research Association Meeting*, Japan, June 2014
17. Miya, K.; Shimojo, N.; Hagiya, K.; Sakuramoto, H.; Unoki, K.; **Jesmin, S.**; Kawano, S.; Mizutani, T.: Combination use of coagulant and examination of usage criteria accompanying systemic management of shock, *The 41st Annual Meeting of The Japanese Society of Intensive Care Medicine(JSICM)*, Kyoto, Japan, February & March 2014
18. Oki, M.; **Jesmin, S.**; Shimojo, N.; Hagiya, K.; Yamasaki, Y.; Kawano, S.; Mizutani, T.: Endothelin dual receptors blocker activated cardiac VEGF signaling in Sepsis Model Rats, *The 41st Annual Meeting of The Japanese Society of Intensive Care Medicine(JSICM)*, Kyoto, Japan, February & March 2014
19. Sonobe, A.; **Jesmin, S.**; Shimojo, N.; Kawano, S.; Mizutani, T.: Analysis of time course of inflammatory cytokine expression in septic mouse model frontal lobe, *The 41st Annual Meeting of The Japanese Society of Intensive Care Medicine(JSICM)*, Kyoto, Japan, February & March 2014

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21. Miyauchi, T.; **Jesmin, S.**; Sakai, S.; Shimojo, N.; Miyauchi, Y.; Akter, S.; Sohel, Z.; Honma, S.; Mizutani, T.; Aonuma, K.: Beneficial effect of endothelin receptor blockers in the heart of diabetes model rats: Improvement of coronary collateral angiogenesis and VEGF signaling suppression, *43rd Japan Society of Cardiovascular Medicine Conference*, Kobe, Japan, February 2014
22. Shimojo, N.; **Jesmin, S.**; Wada, T. Kawano, S.; Gando, S.; Mizutani, T.: Role of angiogenic growth factors in post cardiac arrest syndrome, *Ibaraki regional conference on intensive care medicine*, Tsukuba, Japan, August 2013
23. **Jesmin, S.**; Shimojo, N.; Wada, T.; Kawano, S.; Gando, S.; Mizutani, T.: The Dynamics of Angiogenic Factors and Their Soluble Receptors in Relation to Organ Dysfunction in Disseminated Intravascular Coagulation Associated with Sepsis, *Ibaraki regional conference on intensive care medicine*, Tsukuba, Japan, October 2013
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27. Miyauchi, Y.; **Jesmin, S.**; Sakai, S.; Shimojo, N.; Maeda, S.; Honma, S.; Watanabe, S.; Aonuma, K.; Miyauchi, T.: Effects of endothelin A / B receptor blockers on the heart and kidney of hypertension and diabetes, *77th Annual Meeting of the Japanese Circulation Society*, Yokohama, Japan, March 2013
28. **Jesmin, S.**; Wada, T.; Gando, S.: Therapeutic options to restore pulmonary VEGF level in a rat model of LPS-induced acute lung injury, *40th Annual Meeting of the Japan Association for Acute Medicine*, Kyoto, Japan, November 2012
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30. Miyauchi, Y.; Sakai, S.; Maeda, S.; Sugawara, J.; Shimojo, N.; **Jesmin, S.**; Honma, S.; Watanabe, S.; Aonuma, K.; Miyauchi, T.: Circulatory levels of endothelin and its precursor big endothelin in human and the effects of dual endothelin receptor blocker on it, *76th Annual Meeting of the Japanese Circulation Society*, Fukuoka, Japan, March 2012
31. Miyauchi, Y.; Maeda, S.; Sakai, S.; Sugawara, J.; Shimojo, N.; **Jesmin, S.**; Honma, S.; Watanabe, S.; Aonuma, K.; Miyauchi, T.: Investigation of blood concentrations of endothelin and precursor big endothelin and responses of receptor blocker bosentan in cardiac patient and healthy person, *The 132nd Annual Meeting of the Japanese Pharmaceutical Society*, Sapporo, Japan, March 2012
32. Miyauchi, T.; Maeda, S.; Miyauchi, Y.; Sakai, S.; Sugawara, J.; Shimojo, N.; **Jesmin, S.**; Honma, S.; Watanabe, S.; Aonuma, K.: Human blood concentrations of endothelin and precursor big endothelin and reactivity of the receptor A/B blocker bosentan on them, *The 41st Annual Meeting of Japan Cardiovascular Medicine*, Akita, Japan, February 2012
33. Wada, T.; Hayakawa, M.; Higashiyama, A.; **Jesmin, S.**; Gando, S.; Yokota, H.: Fibrin degradation by neutrophil elastase in trauma, *The 26th The Japanese Association for the Surgery of Trauma General*

Meeting, Tokyo, Japan, May 2012

34. Islam, A.M.S.; **Jesmin, S.**; Kimura, S.; Sultana, S.N.; Hiroe, M.; Moroi, M.; Watanabe, T.: Effect of Socioeconomic Status on Metabolic Syndrome, (Results from Rural Bangladesh), *39th annual congress of Japanese Society of Health and Social Medicine*, Kobe, Japan, May 2012
35. **Jesmin, S.**; Islam, A.M.S.; Mamun, M.A.; Sohael, F.; Rahman, A.; Zaedi, S.; Sultana, S.N.; Moroi, M.; Watanabe, T.: A cross sectional study of prevalence of gestational diabetes mellitus in a rural population of Bangladesh, *39th annual congress of Japanese Society of Health and Social Medicine*, Kobe, Japan, May 2012
36. **Jesmin, S.**; Islam, A.M.S.; Zaedi, S.; Sultana, S.N.; Watanabe, T.; Akashi, H.: An investigation to search for the innovative social approach for health improvement beyond MDG in Bangladesh, *39th annual congress of Japanese Society of Health and Social Medicine*, Kobe, Japan, May 2012
37. Wada, T.; Higashiyama, A.; **Jesmin, S.**; Gando, S.; Yokota, H.: The role of angiogenesis-related factors in cardio-pulmonary arrest, *The 27th Japan Shock Society General Meeting*, Tokyo, Japan, May 2012
38. Wada, T.; **Jesmin, S.**; Gando, S.; Yokota, H.: The relationship between the angiogenic factors and coagulofibrinolysis in trauma patients, *The 39th Annual Meeting of the Japanese association for Acute Medicine*, Tokyo, Japan, October 2011
39. Miyauchi, Y.; Maeda, S.; Sugawara, J.; Shimojo, N.; Sakai, S.; **Jesmin, S.**; Honma, S.; Watanabe, S.; Aonuma, K.; Miyauchi, T.: Investigation of blood levels of endothelin and precursor big endothelin in cardiovascular diseases and healthy individuals and effect of receptor blocker bosentan, *The 13th Annual Meeting of the Pharmaceutical Society of Japan*, Shizuoka, Japan, March 2011
40. Islam, A.M.S.; **Jesmin, S.**; Sultana, S.N.; Zaedi, S.; Islam, R.; Yamaguchi, N.; Moroi, M.; Hiroe, M.; Togashi, H.: Prevalence of Metabolic Syndrome in Pre- and Post-Menopausal Rural Women of Bangladesh: Result from a Population-Based Study, *The 47th annual meeting of the Society for Hypertension Related Disease Model Research*, Sapporo, Japan, September 2011
41. **Jesmin, S.**; Togashi, H.; Islam, AMS.; Sultana, S.N.; Zaedi, S.; Islam, R.; Yamaguchi, N.; Moroi, M.; Hiroe, M.: Disruption of VEGF system in metabolic syndrome, *The 47th annual meeting of the Society for Hypertension Related Disease Model Research*, Sapporo, Japan, September 2011
42. Wada, T.; **Jesmin, S.**; Gando, S.: The relationship between the expression of vascular endothelial growth factor and coagulofibrinolysis in trauma patients, *The 38th Annual Meeting of the Japanese Society of Intensive Care Medicine*, Yokohama, Japan, February 2011
43. Miyauchi, T.; Maeda, S.; Miyauchi, Y.; Sugawara, J.; Shimojo, N.; **Jesmin, S.**; Sakai, S.; Watanabe, S.; Aonuma, K.: High-dose bosentan on systemic arterial compliance (distensibility) before and after exercise training: possible implication of endothelin antagonist for metabolic syndrome, *The 74th Annual Meeting of Japanese Circulation Society*, Kyoto, Japan, March 2010
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45. Miyauchi, Y.; Maeda, S.; Sugawara, J.; Shimojo, N.; **Jesmin, S.**; Sakai, S.; Watanabe, S.; Aonuma, K.; Miyauchi, T.: Effects of normal and high doses of dual endothelin blocker bosentan on vascular response in patients with pulmonary hypertension and healthy middle-aged people, *The 83th Annual Meeting of The Japanese Pharmacological Association*, Osaka, Japan, March 2010
46. Yamaguchi, N.; **Jesmin, S.**; Koyama, A.: Inflammation and lifestyle-related diseases: abnormal microcirculation and organ failure, *4th Tri-university Joint Seminar*, Ami, Japan, November 2010
47. Miyauchi, T.; Maeda, S.; Miyauchi, Y.; Sugawara, S.; Shimojoh, N.; **Jesmin, S.**; Sakai, S.; Watanabe, S.; Aonuma, K.: High-dose Bosentan on Systemic Arterial Compliance (Distensibility) before and after Exercise Training: Possible Implication of Endothelin Antagonist for Metabolic Syndrome, *74th annual meeting of Japanese Circulation Society*, Kyoto, Japan, March 2010
48. Shimojo, N.; **Jesmin, S.**; Maruyama, H.; Niwayama, J.; Miyahara, T.; Yamaguchi, I.; Kurosawa, T.:

- Noninvasive cardiovascular screening for patients with hemodialysis impairment, *74th Annual Scientific Meeting of the Japanese Circulation Society (JCS 2010)*, Kyoto, Japan, March 2010
49. **Jesmin, S.**; Zaedi, S.; Shimojo, N.; Sultana, S.N.; Iwashima, Y.; Hiroe, M.; Yamaguchi, N.; Miyauchi T.: Superiority of Dual endothelin receptor antagonist to selective receptor antagonist in ameliorating altered VEGF signaling in early diabetic hearts, *73rd Annual Scientific Meeting of the Japanese Circulation Society*, Osaka, Japan, March 2009
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 51. Yamaguchi, N.; **Jesmin, S.**; Zaedi, S.; Sultana, S.N.; Koyama, A.; Gando, S.: Protease-activated receptor2 blocking peptide counteracts endotoxin-induced inflammation, aberrant vascular homeostasis and coagulation in a rat model of acute renal failure, *73rd Annual Scientific Meeting of the Japanese Circulation Society*, Osaka, Japan, March 2009
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 53. **Jesmin, S.**; Togashi, H.; Zaedi, S.; Sultana, S.N.; Iwashima, Y.; Yamaguchi, N.; Miwa, S.; Koyama, A.: Dual endothelin antagonism normalizes the upregulated renin-angiotensin system in the hypertrophied heart of an animal model of genetic hypertension, *The 31st Annual Scientific Meeting, Japanese Society of Hypertension*, Sapporo, Japan, October 2008
 54. **Jesmin, S.**; Gando, S.; Zaedi, S.; Sultana, S.N.; Yamaguchi, N.; Koyama, A.: Time-dependent alterations of VEGF and its signaling molecules in acute lung injury in a rat model of sepsis, *36th Annual Meeting of the Japanese Association for Acute Medicine*, Sapporo, Japan, October 2008
 55. Yamaguchi, N.; **Jesmin, S.**; Shimojo, N.; Koyama, A.: Renal dysfunction and renal infection of the urinary system, *44th Meeting on Ibaraki Nephrology Research*, Tsukuba, Japan, July 2008
 56. Yamaguchi, N.; **Jesmin, S.**; Koyama, A.: The relationship between renal pathology in sepsis and vasoactive substances, *9th Meeting on Mito Nephrology Research*, Mito, Japan, March 2008
 57. Shimojo, N.; **Jesmin, S.**; Zaedi, S.; Maeda, S.; Miyauchi, T.; Aonuma, K.: Estrogen pre-treatment prevents ET-1-induced cardiomyocyte hypertrophy through modulation of VEGF, *The 72th Annual Scientific Meeting of the Japanese Circulation Society*, Fukoka, Japan, March 2008
 58. Shimojo, N.; **Jesmin, S.**; Zaedi, S.; Maeda, S.; Miyauchi, T.; Aonuma, K.: Cardioprotective effect of Eicosapentaenoic acid, an important fish oil, through suppression of endothelin-1-induced cardiomyocyte hypertrophy via PPAR- α , *The 72th Annual Scientific Meeting of the Japanese Circulation Society*, Fukoka, Japan, March 2008
 59. Shimojo, N.; **Jesmin, S.**; Zaedi, S.; Yamaguchi, N.; Maeda, S.; Miyauchi, T.; Aonuma, K.: Involvement of HIF-1 α and β in contributory role of VEGF in endothelin-1-induced cardiomyocyte hypertrophy, *The 72th Annual Scientific Meeting of the Japanese Circulation Society*, Fukoka, Japan, March 2008
 60. **Jesmin, S.**; Gando, S.: Chronological expression of endothelin-1 (ET-1) and TNF-alpha in acute liver injury and its amelioration by PAR2 blockade in a septic rat model, *35th Annual Meeting of Japanese Critical Care Medicine Society*, Osaka, Japan, October 2007
 61. **Jesmin, S.**; Gando, S.: Protease-activated receptor-2 blocking peptide (PAR2-BP) counteracts endotoxin-induced inflammation and coagulation and ameliorates glomerular fibrin deposition in a rat model of acute renal failure, *35th Annual Meeting of Japanese Critical Care Medicine Society*, Osaka, Japan, October 2007
 62. **Jesmin, S.**; Togashi, H.; Kawahara, S.; Zaedi, S.; Shimojo, N.; Yamaguchi, N.; Miyauchi, T.; Kato, N.: Normalization of Impairments in VEGF Signaling, Coronary Collateral Development and Cardiac Function in Early Diabetic Rat Heart by Dual Endothelin Antagonism, *The 43rd Scientific Meeting of*

Society for Hypertension Related Disease Model Research, Osaka, Japan, September 2007

63. Kawahara, S.; Togashi, H.; **Jesmin, S.**; Zaedi, S.; Yamaguchi, T.; Yoshioka, M.; Kato, N.: Endothelin receptor blockade improves cerebral hypoperfusion in the cerebral cortex of SHRSP. Endothelin receptor blockade improves the SHRSP cerebral hypoperfusion in the cerebral cortex, *The 43rd Scientific Meeting of Society for Hypertension Related Disease Model Research, Osaka, Japan, September 2007*
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65. **Jesmin, S.**; Maeda, S.; Zaedi, S.; Shimojo, N.; Iemitsu, M.; Otsuki, T.; Yamaguchi, N.; Miyauchi, T.: Estrogen Receptor Alpha and Beta Are Equally Involved in Cerebral Vascular Endothelial Growth Factor/KDR/ Nitric Oxide Pathway in Female Mice, *The 71st Annual Scientific Meeting of the Japanese Circulation Society, Kobe, Japan, March 2007*
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67. Shimojo, N.; **Jesmin, S.**; Maeda, S.; Iemitsu, M.; Zaedi, S.; Otsuki, T.; Yamaguchi, N.; Aonuma, K.; Yamaguchi, I.; Miyauchi, T.: Estrogen Pre-treatment Prevents the ET-1-induced Cardiomyocyte Hypertrophy in vitro: Potential Linkage with VEGF, *The 71st Annual Scientific Meeting of the Japanese Circulation Society, Kobe, Japan, March 2007*
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69. Iemitsu, M.; Maeda, S.; **Jesmin, S.**; Otsuki, T.; Kasuya, Y.; Aonuma, K.; Yamaguchi, I.; Miyauchi, T.: MAPK Activation Change to a Single Bout of Exercise in Untrained and Trained Hearts of Rat, *The 71st Annual Scientific Meeting of the Japanese Circulation Society, Kobe, Japan, March 2007*
70. **Jesmin, S.**; Iemitsu, M.; Zaedi, S.; Maeda, S.; Shimojo, N.; Otsuki, T.; Yamaguchi, N.; Hattori, Y.; Aonuma, K.; Yamaguchi, I.; Miyauchi, T.: VEGF signaling is disrupted in the heart of mice lacking estrogen receptor, *The 71st Annual Scientific Meeting of the Japanese Circulation Society, Kobe, Japan, March 2007*
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EDUCATIONAL EXPERIENCE:

MY VITAL VISION FOR EDUCATIONAL POLICY:

- Providing the most substantial education and training in fields of global/developmental issues to ensure students both at undergraduate and graduate levels to develop the necessary skills for a career in connected global problems in English
- Problem-oriented education (both on the spot and global environment) and development of solution-based managerial expertise in English
- Regular arrangements of the scientific seminar, journal club, presentation, thesis defense, publication to a prestigious journal, presentation practice, presentation preparation
- Extensive focus on scientific, academic writing with the improvement of thinking skills in English
- Assistance in online distance learning in English
- Horizontal integration bringing disciplines, subjects, and topics
- The emphasis in case studies/report writing/research proposal writing
- Team-based learning (vast experiences in group teaching rather than a lecture in a large classroom)
- Evidence-based learning
- Assisting students in exposing themselves to foreign institutions/intern-ship
- Critical student evaluation system from all perspectives of scientific writing
- Students scientific debate in English

EXPERIENCE IN EDUCATION

1. **Experiences on scientific writing education for students: Supervised/mentored scientific publications**, 32 of master's theses, 49 from doctoral dissertations, and 19 from post-doctoral researchers (from the bench, designing, performing, and data analysis to publication) from a cross-section of disciplines and backgrounds, ranging from biology, life science, human and agricultural sciences including medicine and dentistry, as well as from multiple countries, cultures, ethics, environments, as well as background; familiar with online platforms, including education, conferences, and video presentations; experiences from basic science to clinical, translational, population-based and epidemiological researches, daily shape up of work assignments and worksheets
2. **My current job responsibilities**: Solely engaged in scientific writing editing, critical thinking job for students
3. Setting up/identifying/formulating a research question/problem/issue independently and then how to summarize the topic, most emphasis has been given to the way of analysis and the required analytical skill, to be more systematic, less descriptive (from students supervision and critical thinking), more than **65 original research article published in English based international journals** over last 18 years in Japan and abroad mainly at public universities/institutes (vast experiences on paper revision, satisfying reviewer's demand); emphasis in case studies/report writing/research proposal writing
4. Topic or subject dependent (multidisciplinary and multi-faceted, expertise with small knowledge for a particular field with careful referencing and resourcing); Horizontal integration bringing disciplines, subjects and topics
5. Data interpretation (arguments to believe, evidence-based, findings-based, convincing, relevant, reflective, having value)
6. Implementation of decision making based on the conclusion, reasoning
7. Having in mind the levels and transition phase from undergraduate to graduate degrees; Impact of feeling ownership; Evidence-based learning
8. Regular arrangements of the scientific seminar, journal club, thesis defense, presentation practice, presentation preparation; critical student evaluation system from all perspectives of scientific writing with a strict timeline

EXPERIENCES IN MANAGEMENT:

- In the past 25 years, I have been actively involved in the management of research, education, and clinical-related activities.
- As a Division Head and with my previous assignments, I have had experience in managing research teams in various aspects, including budget management, resource and scope management, and administrative management.
- I have experiences at negotiating the execution of international and community-based research in a public-private partnership set.
- I am experienced at sourcing extramural funding from donor agencies, including private and public.
- I also have significant experience in working with both local and international scientists through my network of collaborators.

CAREER IN INTERNATIONAL DEVELOPMENT:

1. Conducting more than 25 international health research projects in South Asia funded by Overseas Academic Research Grant (Kiban B), Monbusho (2009-to date) in the last 15 years, World Diabetes Foundation, and other global funding agencies.
2. Active coordinator of a research belt among USA-South Asia-South Africa on health research.
3. Recognized as the top 100 distinguished women in Asia in 2011 for unparalleled contribution to the improvement of the health of rural women of South Asia.
4. Performing several Meta-analyses on non-communicable diseases among South Asian countries.
5. Pioneered diabetes research for pregnant women in Bangladesh, funded by the World Diabetes Foundation (Denmark).
6. With Grameen Healthcare Trust in Bangladesh: I have been closely working with Nobel Laureate Professor Muhammad Yunus (Nobel Peace Prize, 2006, from Bangladesh) to improve the health of rural women globally with the innovation of mobile health technology.
7. In 2010, I hosted Nobel Laureate Professor Muhammad Yunus in Japan and initiated an academic collaboration with several institutes/universities in Japan with Bangladesh.
8. Extending the networking in academic and research of Health and Disease Research Center for Rural Peoples (Dhaka, Bangladesh) with international institutes and universities.
9. Enhancing and strengthening evidence-based health practices in South Asia.
10. Strengthening biomedical/global health research in developing countries.
11. Initiated a student exchange program between Appalachian State University, USA, and HDRCRP, Bangladesh.
12. Active bridging of academic research network between Japan and South Asia.
13. Collaboration with JICA: I am now evaluating the impact of Millennium Development Goals in Bangladesh.
14. Made arrangements for Japanese biomedical/health science students to have access to research opportunities in developing countries.
15. Extended invitations and encouraged international students to pursue higher education at Japanese universities.
16. She supported current and expanded efforts to increase the training of minorities and women in health research.
17. Active collaboration with WHO (World Health Organization) in South Asia.
18. Member of NCD (Non-Communicable Diseases) Alliance in South Asia.
19. Overseas research initiatives member for Olympic 2020, Tokyo in Japan.

HUMANITARIAN WORK:

- Screening more than a million rural women for health checkup
- Providing assistance to rural women through my own pockets, projects and donations
- Helping out flood affected people in Bangladesh through buying essential items
- Buying food for Bangladeshi people who lost jobs during the pandemic
- Sending orphans to schools through my own pockets
- Supporting vaccination programs in Bangladesh
- Helping to grow small corners establishment for testing diabetes among pregnant women

- Educating women about life style change leading to healthy life in Bangladesh

WORKING WITH RURAL WOMEN:

- Reaching out to rural women in Bangladesh for health screening
- Conducting sanitation programs to create awareness among rural women
- Providing clinical consultation services to rural women free of charge
- Arranging workshops to train and employ rural women in the health sector
- Providing post-natal GDM screening
- Teaching ways to reduce blood sugar level among rural women