

CURRICULUM VITAE

Personal Profile

Name : Sm. Ahasanul Hamid
Father's Name : Md. Abdul Hamid
Mother's Name : Parvin Hamid
Date of Birth : 20 January 1991
Age : 35 Years
Place of Birth : Rajshahi
Nationality : Bangladeshi
Sex : Male
Blood Group : O+



Specialized Field: Theriogenology, Bio-science and Biotechnology, Bio-medical Science, Molecular Biology, Veterinary Medicine, Vaccine and Materials Science.

Google Scholar: Citation-45, <https://scholar.google.com/citations?user=VyooV7EAAAAJ&hl=en>

Research gate : Citation-39, Research Interest Score : 56.7, <https://www.researchgate.net/profile/Sm-Ahasanul-Hamid>

Orcid ID : <https://orcid.org/0000-0002-6908-296X>

Web : <https://sau.edu.bd/teacher/453>

Scopus ID: 58170133200

Present Position

Works as an assistant professor in the Department of surgery and Theriogenology at Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka 1207.

Visiting Research Staff at RIMD in the University of Osaka, Japan.

Present Address

Flat no. Turag1102-A, Uttora Rajuk Appartement project, Uttora Sector-18, 1230, Dhaka, Bangladesh.

Mobile : +8801717905336

Email: ahasanulhamid@gmail.com, ahasanulhamid@sau.edu.bd

SUMMARY OF QUALIFICATION

- Specialized in Theriogenology, Bio-science and Biotechnology, Bio-medical Science, Molecular Biology, Veterinary Medicine, Vaccine and Materials Science.
- PhD in Bioscience and biotechnology area (Graduate School of Advanced Science and Technology).
- MS in Bioscience and biotechnology area (Graduate School of Advanced Science and Technology).
- MS in Obstetrics (Present day Theriogenology).
- Doctor of Veterinary Medicine (DVM).
- Achieved conversation level Japanese for any communication with Japanese people.
- Research enthusiast and can able to do multidisciplinary research.
- Interest in newly opened research field without any fear.
- Strong knowledge in Theriogenology, molecular biology, food safety and hygiene management.
- Efficient knowledge in public health management.
- Ability to work consistently and make good progress in every step.
- Successful experience in team coordination and collaboration.
- Three year's experiences in teaching as an English assistant in Nomi city, Ishikawa, Japan.
- Worked as a teacher assistant in different subjects during my Ph.D and MS courses in JAIST, Japan.
- Have 6 months working experience with USAID and FAO.
- Have 6 months working experience in a Japanese company as a production development engineer.
- Have 1.5 years working experience in ACI Animal Health as Executive Veterinary Services at Vaccine and Medicine section, Bangladesh.

Educational Background

Ph.D.

Bio-Science and Bio-technology area

Schooling: 3 years and 3 months

Dissertation: Generation of Orthogonal Engineered Synapse Organizers Toward the Development of Electrophysiological Technique with Target Recognition Capability

Institute: Japan Advanced Institute of Science and Technology

Passing Year: June 2023

Result: Awarded

Specialized in Theriogenology, Bio-science and Biotechnology, Bio-medical Science, Molecular Biology, Materials Science.

MS (Japan)

Bio-Science and Bio-technology area

Schooling: 2 Years

Dissertation: Development of Engineered Synapse Organizer

Institute: Japan Advanced Institute of Science and Technology

Passing Year: March 2020

Result: Awarded (3.95 out of 4, converted)

Specialized in Theriogenology, Bio-science and Biotechnology, Bio-medical Science, Molecular Biology, Materials Science.

MS in Obstetrics (Present day

Theriogenology)

Schooling: 2 Years

Dissertation: Effects of GnRH on Conception Rate at the time of Artificial Insemination in Crossbred Dairy Cows.

Institute: Department of Animal Husbandry and Veterinary Science (Now, Faculty of Veterinary and Animal Sciences),

University of Rajshahi, Bangladesh.

Passing Year: 2015 (Final examination held in June 2017)

Result: 4 out of 4

Doctor of Veterinary Medicine.

Schooling: 5 Years with 6-months

internship.

Institute: Department of Animal Husbandry and Veterinary Science, (Now, Faculty of Veterinary and Animal Sciences),

University of Rajshahi, Bangladesh.

Passing Year: 2013 (Final examination held in June 2015)

Major Techniques acquainted with

- **Surgery and Theriogenology:** MOET, Super ovulation, Genetic mapping, AI and Synchronization technique, Ultrasonography etc.
- **Immunology Techniques:** ELISA, FAT, Methylene blue, Catalase test, Indole test, antibiotic sensitivity test, western blot, etc.
- **Neurology and Physiology:** PCR, RT-PCR, Agarose gel electrophoresis, DNA mapping, DNA Sequencing, HEK cell culture, and manipulation for the experiment, Neuron culture, and manipulation for the experiment, NMR, DNA trapping, PDMS device making, spattering on-chip, photolithography on-chip, etc.
- **Epidemiological:** Hospital-based animal sample and data collection (Questionnaire, blood collection), Biochemical analysis of samples.
- **Microbiology:** Microbial culture techniques and gram staining techniques.
- **Food Science:** Nutritional Analysis of different types of feed and other feedstuff samples.
- **Surgery techniques and obstetrical techniques:** Acquired during my master's degree in Obstetrics. Calving management, C section in various animals, other surgical procedures related to theriogenology, etc.
- **Others:** Experiences in Animal experiments, Separation of serum from blood.
- **Radiology:** X-Ray machine handling, film processing and diagnosis of film, etc.

Scientific Papers:

International:

1. Hasan MM, Islam MR, Hossain H, Taslima M, **Hamid SA**, Tuser MI, Juli NA, Al Wasef, Islam M, Jahan MS. 2026. Comparative serum biochemical and inflammatory profiles between repeat breeder and normal cyclic Holstein Friesian crossbred cows in Bangladesh. *Ovozoa: Journal of Animal Reproduction*. 15: 17-24.
2. Wataru Haga; Kosuke Sekine; **Sm. Ahasanul Hamid**; Mieko Imayasu; Tomoyuki Yoshida, Hidekazu Tsutsui. January 2024. Development of artificial synapse organizers liganded with a peptide tag for molecularly inducible neuron-microelectrode interface. *Biochemical and Biophysical Research Communications* 699 (2024) 149563. <https://doi.org/10.1016/j.bbrc.2024.149563>
3. **Sm. Ahasanul Hamid**, Mieko Imayasu, Tomoyuki Yoshida, Hidekazu Tsutsui. March 2023. Epitope-tag-mediated synaptogenic activity in an engineered neurexin-1 β lacking the binding interface with neuroligin-1. *Biochemical and Biophysical Research Communications* 658(2023)141-147. <https://doi.org/10.1016/j.bbrc.2023.03.063>
4. Md. Sarwat Hossain, K. M. Mozaffar Hossain, Md. Mahbubul Alam Sarker and **Sm. Ahasanul Hamid**. 2019. Prevalence and Antibiotic Susceptibility of Salmonella from Chicken Eggs in Naogaon District of Bangladesh. *Journal of Advances in Microbiology*. (ISSN: 2456-7116) 19(2): 1-6.
5. Md. Mahbubul Alam Sarker, Shaziea Rahman, Md. Sarwat Hossain, Mamunur Rashid Sarker and **Sm. Ahasanul Hamid**. 2019. Pathological Study of Bacterial Infection that Causes Liver Lesions in Chickens. *Asian Journal of Biology*. (ISSN: 2456-7124) 8(3): 1-6.
6. **Sm. Ahasanul Hamid**, S. M. Kamruzzaman, Jashim Uddin, Md. Jalal Uddin Sarder. Improvement of Pregnancy Rate in Dairy Cows Using GnRH Analog. *International Journal of Research in Agriculture and Forestry* (ISSN 2394-5915).
7. **Sm. Ahasanul Hamid**, S. M. Kamruzzaman. "Effects of GnRH on Conception Rate at the Time of Artificial Insemination in Crossbred Dairy Cows" *International journal of science and technology* (DOI:10.11648/j.ijast.20170101.14). 1:19-34.
8. Koly Mustafa, Md. Haydar Ali, Md. Zillur Rahman, Jashim Uddin, **Sm. Ahasanul Hamid**, Md. Abdullah Al Noman. Evaluation of the Efficacy of BAU Fowl Cholera Vaccine. *Advances in Bioscience and Bioengineering*. Vol. 4, No. 1, 2016, pp. 1-5. DOI: 10.11648/j.abb.20160401.11

Domestic:

9. Md. Younus Ali, **Sm. Ahasanul Hamid**, Md. Zamal Uddin, Moizur Rahman, Md. Royhan Gofur, S.M. Kamruzzaman. December 2023. Effects of fenbendazole and combined preparation of levamisole with triclabendazole on growth performance and haemato-biochemical parameters in sheep. *Journal of Natural and Social Sciences* 10(4): 39-49.
10. Sushanto Chandro Roy, Md. Zamal Uddin, **Sm. Ahasanul Hamid**, Moizur Rahman, Md. Royhan Gofur, S.M. Kamruzzaman. 2024. Effects of Anticoagulant (EDTA and Heparin) on Blood of Goat. *Research in AGRICULTURE, LIVESTOCK and FISHERIES* 11(1):1-10.
11. Md. Zamal Uddin, Md. Mamunur Rashid, **Sm Ahasanul Hamid**, Lovely Nahar, Mst. Ismat Ara Begum, Alam Khan and Moizur Rahman. 2022. Prevalence and identification of ticks in cattle of Rajshahi, Bangladesh. *Research in Agriculture, Livestock and Fisheries*. (ISSN : P-2409-0603, E-2409-9325), 9 (2):171-183.
12. Md. Zakir Hossain, Md. Mamunur Rashid, Md. Zamal Uddin, **Sm. Ahasanul Hamid**, Lovely Nahar, Md. Emtiaj Alam, Alam Khan, Mst. Ishrat Zerin Moni, Moizur Rahman. 2021. Helminth parasites in small ruminants of sub-urban areas of Rajshahi, Bangladesh. *Bangladesh Journal of Agriculture and Life Science*. Vol. 1(2).

Training and Internship:

- A six-month internship program on 16 different government research, training, and educational institutes throughout Bangladesh.
- One month of training under USAID and FAO to learn how to take a sample and preserve it for further virological or bacteriological tests.
- Worked in various vaccination programs throughout Bangladesh.

- Worked in the collection of blood from goats, cows, sheep, pigs, buffalo, dogs, cats, etc. for various research purposes like blood protozoa detection, serum separation for antibody tests, etc.
- Worked to collect milk from goats, cows, sheep, buffalo, etc. for various research purposes like preparation for bacterial culture and detection of bacteria from that culture.
- Worked voluntarily for the prevention of zoonotic diseases like Anthrax, *Toxoplasma gondii*, Rabies, etc.

Computer Skill:

- Basic computer application like as Internet Applications, MS- Word, MS-Access, MS-Excel, Power Point etc.
- Software related to biological work such as Python, SnapGene viewer, ImageJ, Inkscape, BioRender, OriginPro, Basic Python for bioinformatics etc.
- Specialized in Bio-science and Biotechnology, Bio-medical Science, Molecular Biology, Veterinary Medicine, Vaccine and Materials Science.

Professional Work Experiences, Occupations and Positions

- Worked as a research investigator in the project “Rabies control through castration of dogs” funded by the Faculty of Agriculture, University of Rajshahi, Bangladesh. From January, 2015-March 2015.
- Worked as a research investigator in the project “Prevalence of Mastitis in Dairy Cows of Northern Bangladesh” funded by the Faculty of Agriculture, University of Rajshahi, Bangladesh. From April, 2015-June 2015.
- Worked as a research assistant in the project “Effectiveness of PPR Vaccine with Trihalose Sugar” funded by the Faculty of Agriculture, University of Rajshahi, Bangladesh. From July, 2016-September 2016.
- Worked as a research assistant in the project “Rabies control through vaccination of stray dogs” funded by the Ministry of health of the Bangladesh government. From October, 2016-March 2017.
- Six months of work experience with the Food and Agricultural Organization (**FAO**) as a sample officer\ scientific officer in the Highly Pathogenic Avian Influenza Project. From April, 2017-September 2017.
- Worked as a Research student under **Tsutsui Laboratory at JAIST**. From October, 2017-March 2018.
- Six months working experience in a **Japanese company** (Onodani Kiko) as a production development engineer. From June, 2023-January 2024.
- Executive Veterinary Services, From February 2024 to July 2025. ACI, Animal Health, Vaccine and Medicine section, Bangladesh.

Abstracts and Conferences:

- Kim Samyoung, **Sm. Ahasanul Hamid**, Hidekazu Tsutsui. 2020. Toward molecular-specific formation of neuron-microelectrode junctions. The Physiological Society of Japan. (Poster) (Peer-reviewed).
- Hidekazu Tsutsui, **Sm. Ahasanul Hamid**, Kim Samyoung, Mieko Imayasu, Tomoyuki Yoshida, Sekine Kosuke, Haga Wataru. Aug. 2021. Toward molecule-specific formation of neuron-microelectrode junctions. The Physiological Society of Japan (web). Vol. 71, Page 55. ISSN: 1880-6546, (article) (Peer-reviewed).
- **Sm. Ahasanul Hamid**, ISAE 2020 global virtual meeting – Africa/Central Asia/Middle East session (2).
- **Sm. Ahasanul Hamid**, ISAE Animal Welfare Workshop in Bangladesh. 20 June 2022.

Professional Membership:

- Member of the Bangladesh Veterinary Council (BVC)
- Member of the Vet Executive.
- Member of Krishibid Institution, Bangladesh.
- Member of the International Society for Applied Ethology (ISAE).

Academic Participation:

- A six-month internship program in 16 different government research, training, and educational institutes throughout Bangladesh.
- A conference on “8th One Health Bangladesh Conference” 29 -31 March 2015, Dhaka, Bangladesh.
- Six Months **research student** under Tsutsui Laboratory at JAIST, Nomi, Ishikawa, Japan.
- Two-year research-based master’s student under Tsutsui Laboratory at JAIST, Nomi, Ishikawa, Japan.
- Three Months **minor research** program in Hiratsuka Laboratory at JAIST, Nomi, Ishikawa, Japan.
- Three Months **minor research** program in Ohki Laboratory at JAIST, Nomi, Ishikawa, Japan.

Scholarship, Research grant and Awards:

- Secondary School Certificate (SSC) scholarship for two years.
- Higher School Certificate (HSC) scholarship for four years.
- Merit scholarship from Rajshahi University for two years.
- Japanese Government (MEXT) Scholarship for Research students in Japan.
- Japanese Government (MEXT) Scholarship for master’s degree in Japan.
- Japanese Government (MEXT) Scholarship for a doctoral degree in Japan.

References:

Hidekazu Tsutsui

Associate professor
Materials Science, Bioscience and biotechnology area,
JAIST, Japan.
Email: tsutsui@jaist.ac.jp
Cell: +81-070-4272-5513
Relation: MS and PhD supervisor in Japan.

Dr. Md. Rashedul Islam

Associate Professor
Chairman
Department of Surgery and Theriogenology
Faculty of Animal Science & Veterinary Medicine
Sher-e-Bangla Agricultural University
Sher-e Bangla Nagor, Dhaka-1207, Bangladesh.
E-mail: rashed.suth@sau.edu.bd
Cell # +88 01710404147

Dr. Md. Jahangir Alam

Professor
Dean
Faculty of Animal Science & Veterinary
Medicine
Sher-e-Bangla Agricultural University
Sher-e Bangla Nagor, Dhaka-1207,
Bangladesh.
E-mail: mjalam.apma@sau.edu.bd
Cell # +88 01712618555