



## Imam Hasan

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**Website:** <https://www.researchgate.net/profile/Imam-Hasan-2/>

**Website:** <https://www.scopus.com/authid/detail.uri?authorId=57219450814>

**Website:** <https://orcid.org/0000-0001-5050-2605>

**Work:** Department of Biotechnology and Life Sciences, University of Insubria Via Jean Henry Dunant, 3, 21100 VARESE (Italy)

**Home:** Department of Anatomy and Histology, Faculty of Veterinary Science Bangladesh Agricultural University, 2202 Mymensingh (Bangladesh)

### ABOUT ME

My name is Imam Hasan. I studied Doctor of Veterinary Medicine (D.V.M) at the Bangladesh Agricultural University, followed by a master's degree in Anatomy from the same university. Currently, I am a 2nd year PhD student at the University of Insubria, Italy where I am conducting my research within the Animal Sciences and Aquaculture Unit, which is part of the Department of Biotechnology and Life Sciences. This opportunity allows me to delve deeper into the intricacies of animal sciences and aquaculture, exploring innovative approaches and contributing to advancements in these fields. My goal is to keep learning new things and acquiring new experiences in order to further strengthen my skills.

### WORK EXPERIENCE

#### Doctorate Research Fellow

*Department of Biotechnology and Life Sciences, University of Insubria* [ 01/01/2022 - Current ]

City: Varese

Country: Italy

My project is about fish nutrition, gut microbiota, inflammation, and metabolism.

- Conducting feeding trials on European Sea Bass, Gilt-head Sea Bream, Rainbow Trout.
- Conducting lab experiments (DNA & RNA extraction, cDNA synthesis, qPCR, Histology, Immunohistochemistry etc.).
- Analyzing a complex biological data set using different statistical software.
- Analyzing histological slides using software (Image J, Visiomorph, etc.).
- Writing and publishing scientific articles in well recognized international journals
- Presenting results in international scientific conferences, seminars and workshops

### **Assistant Professor**

**Department of Anatomy and Histology, Bangladesh Agricultural University, Bangladesh** [ 01/03/2022 – Current ]

City: Mymensingh

Country: Bangladesh

Actively participate in undergraduate and graduate teaching and research activities.

### **Lecturer**

**Department of Anatomy and Histology, Bangladesh Agricultural University** [ 29/02/2020 – 28/02/2022 ]

City: Mymensingh

Country: Bangladesh

Taught as a lecturer at the undergraduate (D.V.M.) and masters levels in the Department of Anatomy and Histology, B.A.U., Mymensingh. Courses taught: Basic and Musculoskeletal Anatomy, General Histology and Embryology, Splanchnic Anatomy and Aesthesiology, Laboratory and Zoo Animal Anatomy

### **Students assistant**

**Collegio Carlo Cattaneo, University of Insubria** [ 01/11/2022 – Current ]

City: Varese

Country: Italy

1. Orient and assist students throughout their studies and in particular in the first year
2. Make students actively participate in their training and related choices
3. Advise on the methodology of the study, on the opportunities for attendance and on the solution of particular problems
4. Support students in carrying out laboratory activities
5. Support foreign students arriving at the University in the context of international mobility programmes
6. Support, assist and assist students with disabilities and/or DSA.

### **Classroom Tutor For English Language**

**Department of Biotechnology and Life Sciences, University of Insubria** [ 01/01/2023 – Current ]

City: Varese

Country: Italy

1. Provided assistance to undergraduate students concerning exam preparation and homework assignments
2. Organized educational demonstrations, discussions and experiments for undergraduate students
3. Prepare lessons, and assign and correct homework.
4. Prepare and correct tests.

### **Classroom tutor**

**Department of Biotechnology and Life Sciences, University of Insubria** [ 01/10/2022 – Current ]

City: Varese

Country: Italy

1. Provided assistance to undergraduate and masters students concerning laboratory demonstration

## **EDUCATION AND TRAINING**

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### **PhD in Life Sciences and Biotechnology**

**Department of Biotechnology and Life Sciences, University of Insubria** [ 01/01/2022 – Current ]

Address: Via Jean Henri Dunant, 3, 21100 Varese (Italy)

Website: <https://www.uninsubria.it/>

Field(s) of study: Aquaculture Nutrition

Level in EQF: EQF level 8

Thesis: Sustainable ingredients in marine fish diet: effects on gut microbiota and the expression of a panel of genes involved in intestinal absorption and immune response

### **Master's degree in Anatomy**

**Department of Anatomy and Histology, Bangladesh Agricultural University** [ 01/01/2018 – 30/06/2019 ]

Address: 2202 Mymensingh (Bangladesh)

Website: <https://www.bau.edu.bd/>

Field(s) of study: MS in Anatomy

Final grade: A+ with Distinction; CGPA: 4.000 (4.00 basis) Position: 1st – Level in EQF: EQF level 7

Thesis: Effects of 4G mobile phone radiation in mice.

### **Bechelor's degree in Doctor of Veterinary Medicine (D.V.M.)**

**Faculty of Veterinary Science, Bangladesh Agricultural University** [ 01/01/2013 – 30/12/2017 ]

Address: Bangladesh Agricultural University, 2202 Mymensingh (Bangladesh)

Website: <https://www.bau.edu.bd/>

Field(s) of study: Veterinary Medicine

Final grade: A with Distinction; CGPA: 3.763 (4.00 basis) Position: 8th – Level in EQF: EQF level 6

### **Higher Secondary School Certificate (H.S.C)**

**Gazipur Cantonment College, Gazipur** [ 31/12/2009 – 30/12/2011 ]

Address: Gazipur Cantonment, Gazipur, Bangladesh, 1700 Gazipur (Bangladesh)

Website: <https://www.gccbof.edu.bd/>

Field(s) of study: Science

Final grade: A+ with Distinction; G.P.A.: 5.000 (5.00 basis) from Science Group

Bengali (I&II), English (I&II), Physics (I&II), Chemistry (I&II), Mathematics (I&II), Biology (I&II)

### **Secondary School Certificate (S.S.C)**

**Rani Bilash Moni Govt Boys High School, Gazipur** [ 31/12/2004 – 30/12/2010 ]

Address: Bazar Rd, Gazipur 1700, 1700 Gazipur (Bangladesh)

Website: [rbmgbhs.edu.bd](http://rbmgbhs.edu.bd)

Field(s) of study: Science

Final grade: A with Distinction; G.P.A.: 4.94 (5.00 basis) from Science Group

Bengali (I&II), English (I&II), General Mathematics, Physics, Chemistry, Biology, Social Science, Religion (Islam), Higher Mathematics

### **Advanced course on "Fish Nutrition, Feeding and Health"**

**Mediterranean Agronomic Institute of Zaragoza (CIHEAM Zaragoza, Spain)+Project NewTechAqua EUH2020** [ 05/06/2023 – 09/06/2023 ]

City: Zaragoza

Country: Spain

Website: <https://edu.iamz.ciheam.org/FishNutrition/en/>

Field(s) of study: Education

### **Fish Nutrition: Impacts on Gut Functioning and Health**

**Aquaculture & Fisheries group at Wageningen University & Research** [ 17/10/2022 – 20/10/2022 ]

Address: 0317 Wageningen (Netherlands)

Website: <https://www.wur.nl/en/research-results/chair-groups/animal-sciences/aquaculture-and-fisheries/training-workshops/fish-nutrition-workshop-february-4-8-2024.htm>

### **An advanced course on Communicative English**

*Department of Languages, Bangladesh Agricultural University* [ 09/04/2018 – 12/05/2018 ]

Address: Department of Languages, Bangladesh Agricultural University, 2202 Mymensingh, (Bangladesh)

### **Basics of MS Office**

*Graduate Training Institute, Bangladesh Agricultural University* [ 03/12/2016 – 14/12/2016 ]

Address: 2202 Mymensingh (Bangladesh)

### **Scientific Report Writing**

*Graduate Training Institute, Bangladesh Agricultural University* [ 21/02/2018 – 26/02/2018 ]

Address: Graduate Training Institute, Bangladesh Agricultural University, 2202 Mymensingh (Bangladesh)

### **Professional Internship Programme**

*Veterinary education-related research, training, and extension institute* [ 03/07/2017 – 02/12/2017 ]

Address: Faculty of Veterinary Science, Bangladesh Agricultural University, 2202 Mymensingh (Bangladesh)

### **Extension Field Trip**

*Department of Agricultural Extension Education, Bangladesh Agricultural University* [ 05/11/2016 – 10/11/2016 ]

Address: Kendua Upazila of Netrokona District, 2202 Mymensingh (Bangladesh)

## **LANGUAGE SKILLS**

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Mother tongue(s): **Bangla**

Other language(s):

#### **English**

**LISTENING B2 READING B2 WRITING B1**

**SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2**

#### **Italian**

**LISTENING A1 READING A1**

**SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1**

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## **DIGITAL SKILLS**

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Microsoft Office / Internet user / Written and Verbal skills / Social Media / Good listener and communicator / Motivated / Team-work oriented / Organizational and planning skills / Creativity / Analytical skills / Presenting / Responsibility / Research and analytical skills / Video & Photo editing

## **PUBLICATIONS**

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### **Acute and chronic effects of lambda-cyhalothrin-contaminated feed exposure on the liver and testes of adult male rabbits (*Oryctolagus cuniculus*)**

[2023]

M.A. Kobir, M.N.H. Siddiqi, M.A. Islam, L. Akter, I. Hasan, M. Pervin, M.R. Karim. Acute and chronic effects of lambda-cyhalothrin-contaminated feed exposure on the liver and testes of adult male rabbits (*Oryctolagus cuniculus*), *Emerging Animal Species*. (2023), 100029.

### **Aquaculture ecosystem microbiota at the water-fish interface: the case-study of rainbow trout fed with *Tenebrio molitor* novel feed formulation**

[2023]

Bruno, A; Sandionigi, A; Panio, A; Rimoldi, S; Orizio, F; Augustine, G; Hasan, I; Gasco, L; Terova, G; Labra, M. *BMC Microbiology*

## **Sustainable Fish Feeds with Insects and Probiotics Positively Affect Freshwater and Marine Fish Gut Microbiota**

[2023]

Hasan, I.; Rimoldi, S.; Saroglia, G.; Terova, G. *Animals*. 13(10):1633.

## **Book Chapter: Health-Promoting Activities of Coriander Seed Extracts**

[2023]

Book Chapter by Mohammad Rafiqul Islam, Md. Anwar Jahid, Imam Hasan. *Health-Promoting Activities of Coriander Seed Extracts*, 2023

## **Effect of 2400 MHz mobile phone radiation exposure on the behavior and hippocampus morphology in Swiss mouse model.**

[2022]

Hasan, I., Jahan, M. R., Islam, M. N., & Islam, M. R. (2022). *Saudi Journal of Biological Sciences*, 29(1), 102-110.

## **Conference Abstract: Effect of 2400 megahertz mobile phone radiation exposure on the behavior and hippocampus morphology in Swiss mouse model**

[2021]

Imam Hasan, Mir Rubayet Jahan, Md Nabiul Islam and Mohammad Rafiqul Islam

Hurghada-Egypt

## **Gross and Histomorphological Study of the Ovary and Oviduct of Turkey Hen with Especial Emphasis on the Sperm-Host Gland.**

[2021]

Islam, M. R., Hasan, I., Monisha, N. Z., & Afrin, M. (2021). *The Iraqi Journal of Veterinary Medicine*, 45(1), 1-8.

## **Immunophenotypic analysis of the distribution of hepatic macrophages, lymphocytes and hepatic stellate cells in the adult rat liver.**

[2021]

Pervin, M., Hasan, I., Kobir, M. A., Akter, L., & Karim, M. R. (2021). *Anatomia, Histologia, Embryologia*, 50(4), 736-745.

## **Hematobiochemical and histopathological alterations of kidney and testis due to exposure of 4G cell phone radiation in mice.**

[2021]

Hasan, I., Amin, T., Alam, MR, & Islam, MR (2021). *Saudi Journal of Biological Sciences*, 28 (5), 2933-2942.

## **Effect of formaldehyde and urea contaminated feed exposure into the liver of young and adult pigeons (*Columba livia*).**

[2020]

Hasan, I., Pervin, M., Kobir, M. A., Sagor, S. H., & Karim, M. R. (2021). *Veterinary World*, 14(3), 769.

## **Effects of Imidacloprid-Contaminated Feed Exposure on Hematological Parameters in Adult Rabbits (*Oryctolagus Cuniculus*)**

[2020]

Kobir, M. A., Akther, L., Hasan, I., Shahid, M. A. H., Haque, Z., & Karim, M. R. (2020). *Research in Agriculture Livestock and Fisheries*, 7(3), 439-444.

## **Ameliorating effects of vitamin E and coriander (*Coriandrum sativum*) seed extract on lead-induced renal damage in swiss albino mice**

[2020]

M. A. Jahid, I. Hasan, U. Ayman, M. Afrin, M. Z. I. Khan and M. R. Islam. *Journal of Agriculture, Food and Environment (JAFE)* | ISSN (Online Version): 2708-5694, 1(4), 181-185.

**Formaldehyde-contaminated feed induces histopathological changes in the testes of adult pigeons (Columba livia)**

[2020]

Karim, M. R., Kobir, A., Hasan, I., Pervin, M., & Abo-Ahmed, A. I. (2020). J. Adv. Biotechnol. Exp. Ther, 3(3), 152-157.

**Ubiquitous use of agricultural pesticides in six agro-based districts of Bangladesh and its impact on public health and environment**

[2020]

M. A. Kobir, I. Hasan, M. A. Rahman, M. Pervin, F. Farzana, M. R. Karim. Journal of Agriculture, Food and Environment (JAFE) | ISSN (Online Version): 2708-5694, 1(3), 47-52.

**Humoral immune response against Newcastle disease virus and its pathological changes in vaccinated chickens in selected areas of Barisal district in Bangladesh**

[2020]

Sumona, N. A., Alam, K. J., Arafat, M. Y., & Hasan, I. (2020). Asian Journal of Medical and Biological Research, 6(2), 155-167.

**Biochemical and histopathological effects of mobile phone radiation on the liver of Swiss albino mice**

[2020]

Hasan, I., & Islam, M. R. (2020). Eur. J. Anat, 24(4), 257-261.

**Conference Abstract: Histoarchitecture of the liver of adult rats with Kupffer cell localization**

[2020]

BSVERASConXXV-2019-2020At: Bangladesh Agricultural University, Mymensingh

**Conference Abstract: Mobile phone radiation and the developing brain: behavioral and morphological effects in juvenile mice**

[2019]

2nd IBRO-APRC Bangladesh Associate School of Neuroscience Organized by: AIMS Lab, United International University

Dhaka, Bangladesh. 4-8 December, 2019, Dhaka, Bangladesh

**Preparation of indigenous duck (Anas platyrhynchos) skeleton to enhance veterinary anatomy teaching**

[2019]

Hasan, I., & Islam, M. R. (2019). Asian Journal of Medical and Biological Research, 5(3), 192-196.

**Retrospective study of myiasis in ruminants at Babuganj Upazilla Veterinary Hospital of Barisal district**

[2018]

Khan, MT, Pavel, MTR, Hasan, I., Islam, MM, Mahmud, MM, Trisha, SN, & Talukder, M. (2018). Research in Agriculture Livestock and Fisheries , 5 (1), 57-64.

**Retrospective study of foot and mouth disease in cattle at Babuganj upazila of Barisal district**

[2018]

Mostary, S., Hussain, K., Hasan, I., & Rume, F. I. (2018). Research in Agriculture Livestock and Fisheries, 5(1), 43-48.

**Retrospective study of surgical cases of ruminants at Veterinary Teaching Hospital, Bangladesh Agricultural University**

[2018]

Al Noman, Z., Hasan, I., Arif, M., Ferdous, J., Sachi, S., Alam, M. R., & Sikder, M. H. (2018). Journal of Advanced Veterinary and Animal Research, 5(1), 81-87.

### **Prevalence, isolation and detection of virulent gene in Escherichia coli from duck.**

[2017]

Majumder, S., Akter, M. M., Islam, M. M., Hussain, K., Das, S., Hasan, I. & Rahman, M. (2017). Br. J. Med. Res, 20(2), 1-8.

### **Bacteria causing omphalitis in newly hatched chicks from broiler and layer flocks and their antibiotic profiles.**

[2017]

Shahjada, Z., Hussain, K., Islam, M. M., Majumder, S., Hasan, I., Rahman, M., & Saha, S. (2017). Int. J. Natl. Soc. Sci, 4(2), 73-81.

### **Molecular detection and antibiogram of shiga toxin producing Escherichia coli (STEC) isolated from diarrheal children**

[2016]

Islam, MM, Ahamed, S., Arafat, MY, Hasan, I., Rahman, M., & Nazir, KHMNH (2016). Bangladesh Journal of Veterinary Medicine , 14 (2), 289-295.

### **Prevalence of Calf Diseases in Different Dairy Farms of Bangladesh**

[2017]

## **CONFERENCES AND SEMINARS**

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### **4th IBRO-ARC Workshop: Integrated perspective on the central nervous system functions during inflammation and pandemics**

[ Hurghada-Egypt, 11/10/2021 – 14/10/2021 ]

### **IBRO-APRC Associate School on Advances in Neurodegenerative Disorders and Therapeutics**

[ Amity Institute of Neuropsychology and Neurosciences, Amity University UP, India, 27/09/2021 – 01/10/2021 ]

### **IBRO-APRC Associate School on Animal Models of Neurobiology Research: Models to Molecules**

[ Indira Gandhi National Tribal University (IGNTU) Amarkantak, Madhya Pradesh 484886 India, 20/09/2021 – 24/09/2021 ]

### **IBRO-APRC Associate School on Neurobiology of Addiction**

[ University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, 160014 India, 23/08/2021 – 28/08/2021 ]

### **Bangladesh Society for Veterinary Education and Research (BSVER) ASCon XXVI**

[ Bangladesh Agricultural University, Mymensingh-2202, 10/02/2020 – 11/02/2020 ]

### **2nd IBRO-APRC Bangladesh Associate School of Neuroscience Organized by: AIMS Lab, United International University Dhaka, Bangladesh. 4-8 December, 2019, Dhaka, Bangladesh**

[ United International University, Dhaka, Bangladesh., 04/08/2019 – 08/08/2019 ]

### **Bangladesh Society for Veterinary Education and Research (BSVER) ASCon XXV**

[ Bangladesh Agricultural University, Mymensingh-2202, 23/02/2019 – 24/02/2019 ]

### **Bangladesh Society for Veterinary Education and Research (BSVER) ASCon XXVI**

[ Bangladesh Agricultural University, Mymensingh-2202, 07/02/2018 – 08/02/2018 ]

## **ORGANISATIONAL SKILLS**

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### **Job-related Skills**

- Good experience in being part of scientific projects or groups
- Great confidence in routinely laboratory activities and sampling protocols
- Deep Knowledge about work organization and learning skills

## HOBBIES AND INTERESTS

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Traveling, playing football, badminton

## COMMUNICATION AND INTERPERSONAL SKILLS

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### Acquired Skills

- Team spirit and collaboration
- Ability to adapt to multicultural and multilingual environments
- Good communication skills, acquired during my master's degree internship experience

## VOLUNTEERING

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Member, Badhan (volunteer blood donating organization)

## HONORS AND AWARDS

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### Honors and awards

- Received FEEDNETICS prize for aquaculture nutrition research students – 2022/2023: SPAROS, Lda, Portugal
- Received MERCK Animal Health and American Veterinary Medical Foundation (AVMF) Scholarship (2016-2017): 5000 US Dollar
- Received Dutch Bangla Bank Scholarship (2011-2012): 2500 US Dollar
- IBRO Travel Grant to attend IBRO-ARC workshop on Integrated perspective on the central nervous system functions during inflammation and pandemics in Hurghada-Egypt between 11 to 14th October 2021

## MEMBERSHIPS

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**European Aquaculture Society - Student Group (EAS-SG)**

[ 01/01/2022 – Current ]

**World's Poultry Science Association Italian Branch**

[ 19/07/2022 – Current ]

**Bangladesh Veterinary Council**

[ 01/01/2018 – Current ]

**Bangladesh Veterinary Association**

[ 01/01/2016 – Current ]

**Bangladesh Society for Veterinary Education and Research (BSVER)**

[ 01/01/2014 – Current ]

## RESEARCH GRANT

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**Ministry of Science and Technology, Dhaka, Bangladesh Awarded for post graduate research**

[ 10/10/2018 – 18/05/2019 ]

**R&D Fellowship Ministry of Science and Technology, Dhaka, Bangladesh Awarded for innovation, research and development**

[ 10/05/2020 – 06/2021 ]

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*Varese, Italy, 12/06/2023*