

DR Rupsana Perven Borsha

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Curriculum Vitae

A. ACADEMIC QUALIFICATION/EDUCATION

1. Academic Degrees/Diplomas

- i. **MS in Physiology:** Department of Physiology and Pharmacology, Hajee Mohammad Danesh Science and Technology University, Dinajpur-5200,2020.

Course Details: Ruminant Physiology, Cell Physiology, Physiology of Integration, Nutritional Physiology, Immune Physiology, Avian Physiology, Body Fluids and cardiac Dynamics, Physiology of Digestion, Absorption and Metabolism, Endocrine and reproduction Physiology, Diagnostic Physiology, Physiological Chemistry, Ethology.

Thesis: Study of steroid induced hyperglycemia against traditional hypoglycemic plant extracts in rat model.

Achievements:

- Secured the highest CGPA (First Class First) in the exam (3.98 out of 4)
- One (01) international publication in journals.

- ii. **DVM (Doctor of Veterinary Medicine),** Faculty of Veterinary and Animal Science, Hajee Mohammad Danesh Science and Technology University, Bangladesh, 2018.

Course Details: Veterinary Science (Anatomy, Embryology, Histology, Pathology, Physiology, Pharmacology, Toxicology, Microbiology, Veterinary Public Health & Food Hygiene, Immunology & Serology, Medicine (Small, Zoo, Farm Animal & Avian), Theriogenology, Gynecology & Obstetrics, Andrology & Artificial Insemination, Clinical Pathology & Necropsy, Radiology and Imaging, General Surgery, Anesthesiology, Protozoology, Veterinary Jurisprudence) and Animal Husbandry (Animal production & Management, Poultry Production & Management, Fodder Production, Animal Genetics & Breeding, Animal nutrition, Poultry Nutrition, Dairy Science, Dairy Microbiology, Dairy & Poultry Product Technology, Meat Technology etc.).

Achievements:

- Stood First Class First (Secured the highest CGPA in the exam; 3.91 out of 4).
- Awarded with Prime Minister Gold Medal (Merit Award) for outstanding results in 2018.

- iii. **HSC (Higher Secondary Certificate: 2 years schooling)** National Board of Education, Holy Cross College, Dhaka, Bangladesh, 2011.

Course Details: Bengali, English, Physics, Chemistry, Mathematics, Zoology, Botany, Higher Mathematics etc.

Achievement: Secured GPA 5.00 (Golden) out of 5.00; received Govt. scholarship

- iv. **SSC (Secondary School Certificate: 10 years schooling)**, National Board of Education, Saint Philip's High School and College, Dinajpur, Bangladesh, 2009.

Course Details: Primary basic education, Bengali and English, Physics, Chemistry, Biology, Mathematics, Higher Mathematic, Social Science, History.

Achievement: Secured GPA 5.00 (Golden) out of 5.00; received Govt. scholarship

2. Academic and professional Trainings

- i. *"CPD Training for Academic Veterinarians on Animal Disease Progression and their Diagnosis in the Laboratory and Field"* as a part of Continuing Professional Development (CPD), held during February 12-14, 2024 at Sher-e-Bangla Agricultural University, sponsored by Davis Thompson Foundation, USA; organized by Global Health Pathology Network, USA.
- ii. GIS Training on 22 and 23 November 2024 organized by Dept. of Agricultural Engineering, Sher-e-Bangla Agricultural University, Dhaka-1207.
- iii. Training on data analysis with R Programming from 27-31 October 2024 under SAURES project.
- iv. Workshop on Professional Profile Updating for SAU Faculty Members on SAU Website organized by Institutional Quality Assurance Cell (IQAC), SAU, Dhaka-1207.
- v. Pedagogy Training Program on Innovations in Agriculture and Pesticide Management held at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh from 27-29 February 2024

B. EXPERIENCES AND SKILLS

1. Experiences

- i. Clinical Training at Faculty of Veterinary Medicine, Khon Kaen University, Thailand, 2018.
- ii. Clinical Training at Rajiv Gandhi Institute of Veterinary Education and Research, Puducherry, India, 2018.
- iii. Laboratory Training at New Hope Farms Laboratory, Bhaluka, Bangladesh, 2018.

2. Laboratory Skills

- i. Basics of microbiological laboratory.
- ii. Preparation of different microbiological culture media and reagents.
- iii. Aerobic and anaerobic culture of the microorganisms.
- iv. Isolation and identification of bacteria. DOC, yolk, liver sample analysis for bacterial colony by Mac Conkey, PCA, SDA, SCDA Agar media.
- v. Culture and sensitivity test of bacteria.
- vi. Hematological Analysis.
- vii. Histopathological Analysis.

- viii. Antibody titre test HA and HI.
- ix. PS DOC quality test.
- x. Litter sampling of Breeder Farm
- xi. Proximate Analysis of feed sample (CP, Ca, P, Ash, Moisture Determination).

3. Computer Skills

- i. Operating system: Windows and Mac OS.
- ii. Software packages: MS Office, Statistical Package (SPSS, R Studio, ArcGIS etc.), Excel, Power Point, Adobe Photoshop, Illustrator, Multimedia software, etc. Internet browsing, E-mail, Internet application software, google sheets and other utilities.
- iii. Hardware: Hardware maintenance and minor trouble shooting.

C. AWARDS, RECOGNITIONS, GRANTS AND FELLOWSHIPS

- i. ‘National Science and Technology Fellowship 2019 from Ministry of Science and Technology, Bangladesh.
- ii. **Prime Minister Gold Medal Award 2018.**
- iii. Deans Award 2014 to 2017 for best academic results from the Faculty of Veterinary and Animal Science, HSTU, Bangladesh.
- iv. Secondary School Merit Scholarship 2006 from Ministry of Education, Bangladesh.
- v. Primary School Scholarship-2004 from Ministry of Education, Bangladesh.

D. PROFESSIONAL ENGAGEMENTS

- i. Member, Bangladesh Veterinary Association (BVA), Bangladesh.
- ii. Member, Krishibid Institution, Bangladesh (KIB)
- iii. Registered Member, Bangladesh Veterinary Council (BVC), Bangladesh.

E. PUBLICATIONS

Rupsana Perven Borsha^{1*}, Rakibul Islam¹, Md. Bazlar Rashid¹, Fahima Binthe Aziz¹, Md. Nazrul Islam², Mahmudul Hasan¹ Study of steroid induced hyperglycemia against traditional hypoglycemic plant extracts in rat model. *Asian Journal of Pharmacy and Pharmacology*, 2020:6(4):254-260 254

F. PERSONAL DETAILS

- 1. Name: **DR RUPSANA PERVEN BORSHA**
- 2. Father’s name: Md. Raisul Islam

3. Mother's name: Shamima Akter
4. Spouse name: Maruf Hasan
5. Gender: Female
6. Religion: Islam (Sunny)
7. Place and Date of birth: Dinajpur, Bangladesh. 19 September, 1994
8. Nationality: Bangladeshi
9. National ID: 7795432942
10. Passport no.: BR 0231059
11. Designation: Lecturer, Department of Anatomy, Histology and Physiology, SAU

12. Present address: Department of Anatomy, Histology and Physiology Faculty of Animal Science and Veterinary Medicine Sher-e-Bangla Agricultural University Dhaka-1207	13. Permanent address: Dinajpur Sadar P.O: Cheradengi Zilla: Dinajpur Country: Bangladesh
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14. **Contact Details:**

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G. REFERENCES

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