

Curriculum vitae of Dr. MST. SHARIFA JAHAN

Mst. Sharifa Jahan, PhD

Date of Birth: July 20,1986

Place of Birth: Kurigram Bangladesh

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EDUCATION

04/2017-03/2021	Doctor of Philosophy (PhD) in Pharmaceutical science Meijo University, Nagoya, Japan
10/2016-03/2017	Research Student Faculty of Pharmacy, Meijo University, Nagoya, Japan
01/2009-06/2011	Master of Science in Pharmacology Bangladesh Agricultural University, CGPA: 4.00 out of 4.00 (1st position and Gold Medalist)
01/2004-03/2008	Doctor of Veterinary Medicine (DVM) Bangladesh Agricultural University, CGPA: 3.787 out of 4.00 (3 rd position).

EMPLOYMENT

14/2021- date	Associate Professor, Department of Pharmacology & Toxicology Sher-e Bangla Agricultural University, Bangladesh
14/2016- 13/2021	Assistant Professor, Department of Pharmacology & Toxicology Sher-e Bangla Agricultural University, Bangladesh
14/2014-13/2016	Lecturer, Department of Pharmacology & Toxicology Sher-e Bangla Agricultural University, Bangladesh

PUBLICATIONS in Scientific Journals

1. **Jahan MS**, Haque MI, Gautam M, Bhuiyan MER. Comparative analysis of high-fat diets: Effects of mutton, beef and vegetable fats on body weight biochemical profiles and liver histology in mice. *Heliyon*. 2024. DOI: [10.1016/j.heliyon.2024.e39349](https://doi.org/10.1016/j.heliyon.2024.e39349).
2. A. I. Robin, H. Hossain, M. Taslima, M. S. Jahan and M. R. Islam. Status of indiscriminate uses of antibiotics in livestock at Narayanganj Sadar, Narayanganj. *J. Sher-e-Bangla Agric. Univ.*, 2023, 14(1&2): 79-84.
3. **Jahan MS**, Tsuzuki T, Ito T, Bhuiyan MER, Takahashi I, Takamatsu H, Kumanogoh A, Negishi T, Yukawa K. PlexinA1-deficient mice exhibit decreased cell density and augmented oxidative stress in parvalbumin-expressing interneurons in the medial prefrontal cortex. *IBRO Neurosci Rep*. 2022 Nov 12;13:500-512.
4. **Jahan MS**, Islam MS, Gautam M, Bhuiyan MER. Lead acetate induced toxicities and antitoxic effect of Vitamin E and selenium in mice. *Bangl. J. Vet. Med.* (2021). 19 (1): 73–83.
5. **Jahan MS**, Ito T, Ichihashi S, Masuda T, Bhuiyan MER, Takahashi I, Takamatsu H, Kumanogoh A, Tsuzuki T, Negishi T, Yukawa K. PlexinA1 deficiency in BALB/cAJ mice leads to excessive self-grooming and reduced prepulse inhibition. *IBRO Reports*, 9, 276-289, 2020.
6. Hasan MN, **Jahan MS**, Kamal MS, Islam MF, Islam MM and Bhuiyan MER. The effects of iron and vitamin B₁₂ on body weight and hematobiochemical parameters in mice. *Bangl. J. Vet. Med.*, 16 (2), 163-167, 2018.
7. Kamal MS, **Jahan MS**, Hasan MN, Islam MF, Islam MM and Bhuiyan MER. Effects of vitamin C as a rescue agent against ciprofloxacin (Ciprocin®) induced toxicities in mice. *Bangl. J. Vet. Med.*, 16

(2), 169-174, 2018.

8. **Jahan MS**, Mostafa M, Khan MAHNA, Bhuiyan MER, and Alam J. Studies on Bacterial Isolates and Antibiogram Profile of Milk from Bovine Clinical Mastitis. *J. Environ. Sci. and Natural Resources*, 4 (1), 89-93, 2011.
9. Rahman MM, Mostofa M, **Jahan MS** and Kamal MAHM. Comparative Efficacy of Neem Leaves and Ivermectin (Ivomec®) Against Ectoparasites in Calves. *J. Bangladesh Agril Univ.* 7(1): 73-78, 2009.
10. M. A. Sultana, M. Mostofa, **Jahan MS**, S. Begum, M. A. Dina and M. R. Amin. Efficacy of Rannivet® Against Naturally and Artificially Inoculated Newcastle Disease Virus in Indigenous Chicken. *Intl. J. BioRes.*, 6(4):17-20, 2009.
11. M. Ali, M. Mostofa, **Jahan MS**, M. A. Dina, S. Begum and S. M. A. Hakim. Comparative Efficacy of Indigenous Medicinal Plants Neem(*Azadirachta indica*) and Patent Drugs Vermic® (Ivermectin) against Humpsore (*Stephanofilaria*) in Cattle. *Intl. J. BioRes.*, 6(4):21-23, 2009.
12. M.S.H. Khan, M. Mostofa, **Jahan MS**, M.A. Sayed and M.A. Hossain. Effect of Garlic and Vitamin B complex in Lead Acetate induced Toxicities in Mice. *Bangl. J. Vet. Med.*, 6(2):203-210, 2008.
13. M.H. Sumon, M. Mostofa, **Jahan MS**, M.E.H. Kayesh and M.A. Haque. Comparative efficacy of Powdered form of Stevia (*Stevia Rebaudiana Bertoni*) Leaves and Glimepiride in Induced Diabetic Rats. *Bangl. J. Vet. Med.*, 6(2):211-215, 2008.
14. M.A. Sujon, M. Mostofa, **Jahan MS**, A.R. Das and S. Rob. Studies on Medicinal Plants against Gastrointestinal Nematodes of Goats. *Bangl. J. Vet. Med.*, 6(2):179-183, 2008

PRESENTATIONS in Scientific Conferences

1. **Mst Sharifa Jahan**, Bhuiyan Mohammad Eliusur Rahman, Erina Hiraoka, Minako Kohara, Ikuko Takahashi, Takamasa Tsuzuki, Takayuki Negishi, Kazunori Yukawa. "Schizophrenia-like behavior and the decrease of parvalbumin-expressing interneurons in PlexinA1-deficient mice". The 140th Annual Meeting of the Pharmaceutical Society of Japan (Kyoto), 28th March, 2020.
2. Takuto Tomita, Ikuko Takahashi, Yumiko Takatsuki, **Mst Sharifa Jahan**, Bhuiyan Mohammad Eliusur Rahman, Saori Toyoda, Yumi Itoh, Kana Ohtuki, Masako Nakamura, Takamasa Tsuzuki, Takayuki Negishi, Kazunori Yukawa. "Catechins have the ability to modulate the expression of genes coding for several enzymes involved in the elongation of keratan sulfate chains in chick corneal stromal cells". The 65th Tokai Regional Meeting of the Pharmaceutical Society of Japan. Nagoya, 6th July, 2019.
3. Takuto Tomita, Ikuko Takahashi, Yumiko Takatsuki, **Mst Sharifa Jahan**, Bhuiyan Mohammad Eliusur Rahman, Takamasa Tsuzuki, Takayuki Negishi, Kazunori Yukawa. "Tea catechins affect expression levels of genes encoding enzymes involved in the elongations of keratan sulfate chains and chondroitin sulfate chains in cultured chick corneal stromal cells". The 140th Annual Meeting of the Pharmaceutical Society of Japan (Kyoto), 28th March, 2020.
4. M. Mostofa., **M. S. Jahan**, M. A. Rahman and M. Tanjim. Indigenous Medicinal Plants, their utilization, efficacy, plantation in Bangladesh. XV BSVER Annual Conference, 08-09 February 2009, BAU.
5. M. Mostofa, **M. S. Jahan**, S. Begum, M. A. Dina and S. Hossain. Comparative efficacy of Indigenous medicinal plants (Dadmardan, Ata and Neem) Against Skin Diseases In Cattle. BAURES Workshop, 8-9 March 2009, BAU.
6. M. Mostofa, B. Rashed, S. Begum, **M. S. Jahan**, M.A. Dina and M. Tanjim. Hypoglycemic and Toxic effects of Stevia Plants in Rats. BAURES Workshop, 8-9 March 2009, BAU.

RESEARCH PROJECT CONDUCTED AS PRINCIPAL INVESTIGATOR (PI)

1. Effects of dietary GABA amino acid supplementation on growth performance, carcass yields and blood-biochemical indices in broiler raised under normal and high stocking density	SAURES	2025	On-going
2. Developing Heat-Resilient Broilers: Enhancing Performance with GABA-Enriched Feed	Dhaka Bank PLC.	2025	On-going
3. Establishment of a medicinal plant garden in Sher-e-Bangla Agricultural University campus	SAURES	2024	Completed
4. Analyzing the beneficiary effects of Black cumin (<i>Nigella sativa</i>) against Chromium induced hepato-renal toxicity in Broiler	UGC	2022	Completed
5. Therapeutic efficacy studies of oyster mushroom in chromium induced toxicities in mice.	SAURES	2023	Completed

SCHOLARSHIPS/AWARDS

1. Japanese Government Scholarship, MEXT (Ministry of Education, Culture, Sports, Science, and Technology) for pursuing doctoral study (October 2016 to March 2021).
2. "Gold Medal" Award in recognition of securing the highest CGPA in the finalexamination in MS in Pharmacology (awarded in 2011).

AREA OF INTEREST

Pharmacological studies of natural compounds, Neuro-Pharmacology, Antimicrobial residue and resistance, Food toxicology and safety, Heavy metal toxicity, Environmental toxicology, Phyto-chemical extraction for drug therapy, Gene knockout mice.



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