

List of all publications from the faculties of Department of Pathology and Parasitology, Faculty of Veterinary Medicine, Chattogram Veterinary and Animal Sciences University, Khulshi, Chattogram, Bangladesh.

1993

A. Wadud, M. Nasiruddin, M.N. Islam, M. Masduzzaman and D.R. Dey sharker, 1993. Measurement of area in milk of dairy animals. The Bangladesh Veterinarian, 10(1-2): 25-29.

Moslehuddin, M. Masduzzaman and M.H. Rahman. 1993. Schwannoma in a zebu cattle. The Bangladesh Veterinarian, 10(1-2):69-70.

1994

M. Masduzzaman, M. I. Hossain, M. Moslehuddin and M.J. Bhuiyan, 1994. P pathological Conditions encountered in Food animal carcasses in abattoirs of Bangladesh. The Bangladesh Veterinarian, 15(1-2):19-22.

S. M. H. Rashid, M. I. Hossain. Moslehuddin, M. G. S. Slam, M. Masduzzaman and A. K. M. Fazlul Haque. 1994. Gynaeco-pathological disorders in rural buffaloes of Bangladesh. Veterinarian, 11(1-2):41-44.

1998

M. J. Bhuiyan, M. I. Hossain, M. Moslehuddin, M. Masduzzaman, and M. Shahabuddin, 1998. Female reproductive disorders in Black Bengal goats of Bangladesh. The Bangladesh Veterinarian, 15(1-2):49-50.

M. A. Hossain and K. M. Ali. (1998) Effect of anthelmintics on the body weight of goats naturally infected with Fascioliasis and Gastro-intestinal nematodiasis. Bangladesh Veterinary Journal. 32(1-2):41-46. (Bangladesh)

1999

M. Masduzzaman, M. J. Bhuiyan and M. Shabuddin, 1999. A study on hepatic abscess in slaughtered cattle with special reference to its pathology. The Bangladesh Veterinarian, 16(2):101-102.

M. Masduzzaman, M.J. Bhuiyan and M. Shahabuddin, 1999. Calf diseases in hilly areas of Chittagong. The Bangladesh Veterinarian, 16(2):103.

2000

MKIMZA A.M.A.M.Z. Siddiki, M.J. Karim. 2000. Sulphonamide resistance in field isolates of chicken coccidia in Bangladesh". The Bangladesh Veterinarian 17, 11-15

2001

M. A. Hossain, O. Yamato, M. Yamasaki and Y. Maede (2001) Purine 5'-nucleotidase activity and susceptibility to lead in domestic animals. *Bangladesh Veterinary Journal*. 35(3-4):155-158. (Bangladesh)

Rahman MM, Chowdhury EH, Hossain MM, Bari ASM, Das PM. 2001. Pathological studies on hydropericardium hepatitis syndrome in broiler birds in Bangladesh. *Bangladesh Veterinary Journal* 35: 25-28

2002

M. Masduzzaman, M. A. Ehsan, M. L. Rahman and M. N. Islam, 2002. Pathology of certain neoplastic diseases in dogs. *The Bangladesh Veterinarian* 19 (2): 139-141.

M. A. Ehsan, P. J. Rolls and M. Masduzzaman, 2002. Management of bovine vaginal prolapse by Buhner's method. *The Bangladesh Veterinarian*, 19 (1): 57-59.

M. Yamasaki, O. Yamato, M. A. Hossain, J-J. Jeong, H-S. Chang, H. Satoh and Y. Maede. (2002). *Babesia gibsoni*: Preferential multiplication in reticulocytes is related to the presence of mitochondria and a high concentration of adenosine 5'-triphosphate in the cells. *Experimental Parasitology*. 102;164-169. (USA).

M. A. Hossain, O. Yamato, M. Yamasaki and Y. Maede (2002). Comparative study of pyrimidine 5'-nucleotidase activity of certain mammalian species in association with reticulocytes. *Bangladesh Veterinary Journal*. 36(1-2):23-26 (Bangladesh)

M. A. Hossain, O. Yamato, M. Yamasaki and Y. Maede (2002) Function of the pyrimidine and purine 5'-nucleotidase in canine babesiosis. *The Bangladesh Veterinarian*. 19(2):71-76. (Bangladesh)

M. A. Hossain, O. Yamato, M. Yamasaki and Y. Maede (2002) Relation between inhibition of reticulocyte maturation and decreased erythrocyte 5'-nucleotidase activity in canine babesiosis.. *The Bangladesh Veterinarian*. 19(2):65-70. (Bangladesh)

Rahman MM*, Bari ASM, Giasuddin M, Islam MR, Shil GC, Rahman MM. Evaluation of maternal and humoral immunity against Newcastle disease virus in chicken. *International Journal of Poultry Science* 1: 161-163, 2002.

2003

M. L. Rahman, M. R. Islam, M. Masduzzaman and M. Z. I. Khan (2003). Lymphoid tissues in the digestive tract of deshi chicken (*Gallus domesticus*) in Bangladesh. *Pakistan Journal of Biological Sciences*, 6(13): 1145-1150.

M A Hossain, O Yamato, M Yamasaki, Y Otsuka and Y Maede (2003) Relation between reticulocyte count and characteristics of erythrocyte 5'-nucleotidase in dogs, cats, cattle and humans. *Journal of Veterinary Medical Science*. 65(2): 193-197. (JAPAN)

M A Hossain, O Yamato, M Yamasaki, Jeong J-J.; Chang H-S and Y Maede (2003). Serum from dogs infected with *Babesia gibsoni* inhibits maturation of reticulocytes and erythrocyte 5'-nucleotidase activity in vitro. *Journal of Veterinary Medical Science*. 65(12): 1281-1286. (JAPAN)

Yamasaki, M, Hossain, M. A., Jeong J-J, Chang H-S; Satoh, H.; Yamato, O and Maede, Y. (2003). Babesia gibsoni-specific isoenzymes related to energy metabolism of the parasite in infected erythrocytes. *Journal Parasitology*.89(6):1142-1146. (USA).

O Yamato, Y Sugiyama, H Mastuura, Keun-Woo Lee, K Goto, M A Hossain, Y Maede and T Yoshihara (2003). Isolation and Identification of Sodiom 2-Propenyl Thiosulfate from Boiled Garlic (*Allium Sativum*) that Oxidizes Canine Erythrocytes. *Bioscience, Biotechnology and Biochemistry*: 67(7):1594-1596. (Japan)

M. A. Hossain, O. Yamato, M. Yamasaki and Y. Maede (2003) Clinical and Haematobiochemical studies on experimentally induced chronic babesiosis in splenectomized adult dogs. *Bangladesh Journal of Veterinary Medicine*. 1(1):53-56. (Bangladesh)

M. A. Hossain, M. Yamasaki, O. Yamato and Y. Maede (2003) Importance of glucose-6-phosphate dehydrogenase during the multiplication of culture of *Babesia gibsoni*. *The Bangladesh Veterinarin*. 20(1).1-6. (Bangladesh)

2004

M. G. A. Chowdhury, Azizunnesa, M.A. Hossain, M. L. Rahman and Q. Hasan (2004) Toxic effect and oral acute LD50 study of *Nerium Oleander* in male Guineapigs. *Bangladesh Journal of Veterinary Medicine* 2 (2):159-161. (Bangladesh)

M. A. Hossain, O. Yamato, M. Yamasaki and Y. Maede (2004) Inhibitory Effect of nucleotides on the multiplication of *Babesia gibsoni* in canine Erythrocytes. *Bangladesh Journal of Veterinary Medicine*. 2(1):56-61. (Bangladesh)

M A Hossain, O Yamato, M Yamasaki and Y Maede (2004) Inhibitory effect of pyrimidine and purine nucleotides on the multiplication of *Babesia gibsoni*: Possible cause of low parasitemia and simultaneous reticulocytosis in canine babesiosis. *Journal of Veterinary Medical Science*. 66(4): 389-395. (JAPAN)

MM Rahman, GC Shil, MR Islam, ASM Bari, PM Das *. Pathological investigation of diseases of broilers birds in some farms of Mymensingh. *Bangladesh Veterinary Journal* 8: 113-123, 2004.

MM Rahman *, PM Das, MM Rahman, MR Islam, MZ Rahman, R Khatun. 2004. Management and disease problems of broilers in some farms of Mymensingh, Bangladesh. *Bangladesh Journal of Livestock Research* 1: 42-49

2005

R. Sharmin, M. M. Rahman and M. Masuduzzaman, 2005. Infiltrating ductal carcinoma of mammary gland in a German Shepherd dog. *Bangladesh Journal of Veterinary Medicine*, 3(2): 174-176.

M. G. A. Chowdhury, Azizunnesa, M.A. Hossain, M. L. Rahman and Q. Hasan (2005) Effect of *Nerium Oleander* poisoning on blood of male Guineapigs. *Bangladesh Journal of Veterinary Medicine* 3 (1):71-73. (Bangladesh)

S. A. Islam, M. M. Rahman, M.A. Hossain M.G. A. Chowdhury and M. Mostafa (2005) Comparative Efficacy of some modern anthelmintics and pineapple leaves with their effects on certain blood

parameters and body weight gain in calves infected with Ascarid parasites. Bangladesh Journal of Veterinary Medicine. 3(1):33-37. (Bangladesh)

S. A. Islam, M. M. Rahman, M. A Hossain, M. G. A. Chowdhury and M. Mostafa (2005) Prevalence of toxocariasis in calves and efficacy of some anthelmintics. The Bangladesh Veterinarian. (2005) Vol. 22(2): 78-82. (Bangladesh)

Islam MR, Rahman MM*, Hossain MA, Chowdhury MGA, Mostafa, M. Prevalence of toxocariasis in calves and efficacy of some anthelmintics. The Bangladesh Veterinarians 22: 78-82, 2005.

Islam MR, Rahman MM*, Hossain MA, Chowdhury MGA, Mostafa M. Comparative efficacy of some modern anthelmintics and pineapple leaves with their effects on certain blood parameters and body weight gain in calves infected with ascarid parasites. Bangladesh Journal of Veterinary Medicine 3: 33-37, 2005.

2006

Gonhyung Kim, Jinuk Park, Mohammad Alamgir Hossain, Ki Rae Cho, Joong-Hyun Kim and Seok Hwa Choi (2006). Effects of Ascorbic Acid on the Proliferation of Subcultured Canine Chondrocytes in Monolayer and Alginate Beads Culture. Journal of Veterinary Clinics. 23(4): 411-415. December, 2006. (South Korea).

S. Chowdhury, M. A. Hossain, S.R. Barua and S. Islam (2006) Occurrence of common blood parasites of cattle in Sirajgong sadar area of bangladesh. Bangladesh Journal of Veterinary Medicine. 4(2):143-145. (Bangladesh)

AZ Siddiki. 2006. Proteome analysis of Cryptosporidium
University of Liverpool

2007

Mohammad Alamgir Hossain, Osamu Yamato, Gonhyung Kim, Masahiro Yamasaki, and Yoshimitsu Maede. (2007). Suppressive effect of culture supernatant of erythrocytes and serum from dogs infected with Babesia gibsoni on the morphological maturation of canine reticulocytes in vitro. Journal of Veterinary Science, 2007:8(2):169-74. (South Korea)

A Siddiki. 2007. The science of Proteomics: Prospects of post-genomic approaches for microbial protein identification and molecular biological research. Bangladesh Journal of Medical Research. 10 (3), 59-67

AZ Siddiki, MB Hossain, ASML Ahasan. 2007. A review on subcellular or organellar proteomics with special reference to apicomplexan parasites. Bangladesh Journal of Veterinary Medicine, 1-7

AZ Siddiki. 2007. Standardization of Sample Preparation for Two-Dimensional Electrophoresis of Cryptosporidium parvum Sporozoites. Bangladesh Journal of Microbiology 24 (2), 119-124

2008

Mohammad Alamgir Hossain, Jinuk Park, Seok Hwa Choi and Gonhyung Kim (2008). Dexamethasone Induces Apoptosis in Proliferative Canine tendon cells and Chondrocytes. *Veterinary Comperative Orthopedic and Traumatology* 2008:21:337-342. (Germany)

Sangwoong Lim, Mohammad Alamgir Hossain, Jinuk Park, Seok Hwa Choi and Gonhyung Kim (2008). The Effects of Enrofloxacin on Canine Tendon Cells and Chondrocytes Proliferation in vitro. *Veterinary Research Communications*. 32:243-253. (Netherlands)

AZ Siddiki, MJ Karim, EH Chawdhury . 2008. Sulfonamide resistance in chicken coccidiosis: A clinico-pathological study. *Bangladesh Journal of Microbiology* 25 (1), 60-64

2009

A. M. A. M. Z. Siddiki and M. Masuduzzaman, 2009. Cryptosporidium and cryptosporidiosis: A brief review. *Bulgarian Journal of Veterinary Medicine*, 12(2): 91-111.

S. Chowdhury, M. Masuduzzaman and S. N. Shatu, 2009. A pathological investigation to identify forms of colibacillosis in commercial broiler and layer birds in Chittagong region, *Eco-friendly Agriculture Journal*, 2(1): 368-373.

Bibek Chandra Sutradhar, Mohammad Farhad Hossain, Gonhyung Kim, Mohammad Alamgir Hossain (2009) Comparism between open and closed methods of herniorrhaphy in calves affected with umbilical hernia. *Journal of Veterinary Science*. 2009:10(4):343-347. (South Korea)

A Siddiki, M Masuduzzaman. 2009. Cryptosporidium and cryptosporidiosis: a brief review. *Bulgarian Journal of Veterinary Medicine* 12 (2)

A Siddiki, JM Wastling. 2009. Charting the proteome of *Cryptosporidium parvum* sporozoites using sequence similarity-based BLAST searching. *Journal of Veterinary Science* 10 (3), 203-210

2010

Chang, H. S., Ko, M., Ishizuka, M., Fujita, S. Yabuki, A., Hossain, M. A., Yamato, O (2010). Sodium 2-propenyl thiosulfate derived from garlic induces phaseII detoxification enzymes in rat hepatoma H4IIE cells. *Nutrition Research*. 30:435-440.

Tamura S, Tamura Y, Uchida K, Nibe K, Nakaich M, Hossain MA, Chang HS, Rahman MM, Yabuki A, Yamato O*. GM2 gangliosidosis variant 0 (Sandhoff-like disease) in a family of toy poodles. *Journal of Veterinary Internal Medicine* 24: 1013-1019, 2010.

Chang HS, Mizukami K, Yabuki A, Hossain MA, Rahman MM, Uddin MM, Arai T, Yamato O*. A novel rapid genotyping technique for Collie eye anomaly: SYBR Green-based real-time polymerase chain reaction method applicable to blood and saliva specimens on Flinders Technology Associates filter paper. *Journal of Veterinary Diagnostic Investigation* 22: 708-715, 2010.

Chang HS, Arai T, Yabuki A, Hossain MA, Rahman MM, Mizukami K, Yamato O*. Rapid and reliable genotyping technique for GM1 gangliosidosis in Shiba dogs by real-time polymerase chain

reaction with TaqMan minor groove binder probes. *Journal of Veterinary Diagnostic Investigation* 22: 234-237, 2010.

Uddin MM*, Khan MZIK, Islam N, Kibria ASMG, Adhikary GN, Parvez MNH, Basu J, Uddin MB, Rahman MM. Distribution of lymphocytes in the mucosa associated lymphoid tissues (MALT) of naturally occurring infectious bursal disease (IBD) in chicken. *Pakistan Veterinary Journal* 30: 67-71, 2010.

Siddiki AZ, Uddin MB, Hasan MB, Hossain MF, Rahman MM, Das BC, Sarker MS, Hossain MA*. Coproscopic and haematological approaches to determine the prevalence of helminthiasis and protozoan diseases of Red Chittagong Cattle (RCC) breed in Bangladesh. *Pakistan Veterinary Journal* 30: 1-6, 2010.

2011

Das, S., Alim, M., Hassan, M., Sikder, S., Muraduzzaman, M., & Masuduzzaman, M. 2011. Spirocercosis in stray dogs of Chittagong metropolitan area of Bangladesh: an epidemiological and pathological investigation. *Veterinary World*, 4(11), 485-491 doi:10.5455/vetworld.2011.485-491.

Halim MA, MA Kashem, A Mannan, SSU Ahmed and MA Hossain (2011). Reproductive and Productive performances of Black Bengal goats reared by NGO beneficiaries under semi intensive system in Bangladesh. *International Journal of Natural Science* (2011) 1(2)39042.

Yasunori Shinozuka, Osamu Yamato, Mohammad Alamgir Hossain, Tsuneo Higaki, Ikuo Ishikawa, Seij Ichiba and Mitsuhiro Takagi (2011). Bacillary Hemoglobinuria in Japanese Black Cattle in Hiroshima, Japan: A Case Study. *Journal of Veterinary Medical Science*. 2011 73(2):255-258.(JAPAN)

Mizukami K, Chang HS, Yabuki A, Kawamichi T, Kawahara N, Hayashi D, Hossain MA, Rahman MM, Uddin MM, Yamato O*. Novel rapid genotyping assays for neuronal ceroid lipofuscinosis in Border collie dogs and high frequency of the mutant allele in Japan. *Journal of Veterinary Diagnostic Investigation* 23: 1132-1139, 2011.

Rahman MM, Shoubudani T, Mizukami K, Chang HS, Hossain MA, Yabuki A, Mitani S, Higo T, Arai T, Yamato O*. Rapid and simple polymerase chain reaction-based diagnostic assays for GM2 gangliosidosis variant 0 (Sandhoff-like disease) in Japanese domestic cats. *Journal Veterinary Diagnostic Investigation* 23: 338-342, 2011.

MB Hossain, MS Mahmud, S Das, MA Alim, AH Shaikat, MA Hashem. 2011. A study on incidence of gastrointestinal parasites in buffaloes from different slaughter houses of Chittagong Metropolitan Area. *University Journal of Zoology, Rajshahi University* 30, 05-07

M Mohiuddin, ML Rahman, MA Alim, MBH Kabir, MA Kashem . 2011. Macro anatomical investigation of brachial plexus of the White New Zealand rabbit (*Oryctolagus cuniculus*). *International Journal of Natural Sciences* 1 (3), 74-76

S Amin, S Ghosh, B Biswas, M Arifuzzaman, MAK Azad, AZ Siddiki. Molecular identification of four medicinal plants using DNA barcoding approach from Chittagong, Bangladesh

MA Alim, S Das, K Roy, S Sikder, Mohiuddin, M Masuduzzaman and MA Hossain, 2012. Prevalence of Gastrointestinal Parasites in cattle of Chittagong Division, Bangladesh, *Wayamba Journal of Animal Science*, ISSN: 2012-578X; 2012, First Published May 07, 2012; Number 1330976338.

MA Alim, S Das, K Roy, M Masuduzzaman, S Sikder, MM Hasan. AMAMZ Siddiki and MA Hossain, 2012. Prevalence of Haemoprotozoan diseases in Cattle Population of Chittagong Division, Bangladesh. *Pakistan Veterinary Journal*, 32(2), 221-224

Das S, MA Alim, S Sikdar, M Uddin, AD Gupta, M Masuduzzaman, 2012. Prevalence and intensity of enteric parasites in stray dogs of Chittagong Metropolitan, Bangladesh. *YYU Veteriner Fakultesi Dergisi*, 2012, 23 (3), 141 – 145.

Ahasan ASML, Islam MS, Kabria ASMG, Rahman ML, Hassan MM, Uddin M. (2012). Major Variation in Branches of the Abdominal Aorta in New Zealand White Rabbit (*Oryctolagus Cuniculus*). *Int. J. Nat. Sci.* 2(4) 91-98. <http://dx.doi.org/10.3329/ijns.v2i4.13218>

Mohammad M. Uddin, Mohammad A. Hossain Sayaka Arata, Yukari Takeuchi, Hye-Sook Chang, Keijiro Mizukami, Akira Yabuki, Mohammad M. Rahman, Kenji Takayama and Osamu Yamato (2012). Identification of Bangladeshi Domestic Cats with GM1 Gangliosidosis Caused by the c.1448G>C Mutation of the Feline GLB1 Gene: Case Study. *Journal of Veterinary Medical Science*. (2012). 75(3):395-7.

Mizukami K, Chang HS, Yabuki A, Kawamichi T, Hossain MA, Rahman MM, Uddin MM, Yamato O (2012). Rapid genotyping assays for the 4-base pair deletion of canine MDR1/ABCB1 gene and low frequency of the mutant allele in Border Collie dogs. *J Vet Diagn Invest* 24(1), 127-134, 2012.

Furusawa Y, Mizukami K, Yabuki A, Kuwamura M, Chang HS, Hossain MA, Rahman MM, Uddin MM, Mitani S, Yamato O*. Mutational analysis of the feline CLN3 gene and an ultrastructural evaluation of lysosomal storage materials in a cat with neuronal ceroid lipofuscinosis: An indication of the molecular basis of the disease. *The Veterinary Journal* 194: 425-428, 2012.

Rahman MM, Chang HS, Mizukami K, Hossain MA, Yabuki A, Tamura S, Kitagawa M, Mitani S, Higo T, Uddin MM, Uchida K, Yamato O*. A frameshift mutation in the canine HEXB gene in toy poodles with GM2 gangliosidosis variant 0 (Sandhoff disease). *The Veterinary Journal* 194: 412-416, 2012.

Rahman MM, Kawaguchi H, Miyoshi N, Yabuki A, Nakamoto Y, Ozawa T, Yamato O*. Pathological features of salivary gland cysts in a Shiba dog with GM1 gangliosidosis: a possible misdiagnosis as malignancy. *The Journal of Veterinary Medical Science* 74: 485-489, 2012.

Mizukami K, Chang HS, Ota M, Yabuki A, Hossain MA, Rahman MM, Uddin MM, Yamato O*. Collie eye anomaly in Hokkaido dogs: case study. *Veterinary Ophthalmology* 15: 128-132, 2012.

M A Hossain, Takamatsu, M Shimano, T Higo, S Metani, N Miura, H-S Chang, M M Rahman and O Yamato. Feline autosomal dominant polycystic kidney disease in Japan: identification of Chinchilla Persian and Japanese domestic cat cases. *Journal of Feline Medicine and Surgery* (2012) (USA): Under process.

S Suchandan, SMM Rahman, MA Alim, D Shubhagata. 2012. Haematological variations in *Brucella abortus* antibody positive cross-bred cattle at Chittagong, Bangladesh. *Yüzüncü yıl Üniversitesi Veteriner Fakültesi Dergisi* 23 (3), 125-128

M Uddin, ML Rahman, MA Alam, A Ahasan . 2012. Anatomical study on origin, course and distribution of cranial and caudal mesenteric arteries in the White New Zealand rabbit (*Oryctolagus cuniculus*). *International Journal of Natural Sciences* 2 (2), 54-59

S Das, MA ALIM, S Sikder, AD GUPTA, M MASUDUZZAMAN. 2012. Prevalence and Worm Load of Enteric Helminthiasis in Stray Dogs of Chittagong Metropolitan, Bangladesh. *Yüzüncü yıl Üniversitesi Veteriner Fakültesi Dergisi* 23 (3), 141-145

A Siddiki. 2012. Proteome analysis of *Cryptosporidium parvum* and *C. hominis* using two-dimensional electrophoresis, image analysis and tandem mass spectrometry. *Iranian Journal of Biotechnology* 10 (3), 198-207

2013

Uddin M, Sarker MHR, Hossain ME, Islam MS, Hossain MB, Shil SK. (2013). Morphometric investigation of neurocranium in domestic cat (*Felis catus*). *Bangl. J. Vet. Med.* 11 (1): 69-73. <http://dx.doi.org/10.3329/bjvm.v11i1.17302>

Uddin M, Hossain ME, Islam MS, Hossain MB and Islam KN. (2013). Quantitative Study on Some Aspect of Occipital Area in Domestic Cat (*Felis catus*). *Int. J. Nat. Sci.* 3(1-4):18-21. <http://www.ijns.net/article%204.pdf>

Mohammad M. Uddin, Sayaka Arata, Yukari Takeuchi, Hye-Sook Chang, Keijiro Mizukami, Akira Yabuki, Mohammad M. Rahman, Mohammad A. Hossain, Kenji Takayama and Osamu Yamato. (2013) Molecular epidemiology of canine GM1 gangliosidosis in the Shiba Inu breed in Japan: relationship between regional prevalence and carrier frequency. *BMC Vet Res* 9, 132:1-5.

Mizukami K, Yabuki A, Chang HS, Uddin MM, Rahman MM, Kushida K, Kohyama M, Yamato O*. High frequency of a single nucleotide substitution (c.-6-180T>G) of the canine MDR1/ABCB1 gene associated with phenobarbital resistant idiopathic epilepsy in Border Collie dogs. *Disease Markers* 35: 669-672, 2013.

Chang HS, Kamishina H, Mizukami K, Momoi Y, Katayama M, Rahman MM, Uddin MM, Yabuki A, Kohyama M, Yamato O*. Genotyping assays for the canine degenerative myelopathy-associated c.118G>A (p.E40K) mutation of the SOD1 gene using conventional and real-time PCR methods: a high prevalence in the Pembroke Welsh Corgi breed in Japan. *The Journal of Veterinary Medical Science* 75: 795-798, 2013.

Uddin MM, Hossain MA, Rahman MM, Chowdhury MA, Tanimoto T, Yabuki A, Mizukami K, Chang HS, Yamato O*. Identification of Bangladeshi domestic cats with GM1 gangliosidosis caused by the c.1448G>C mutation of the feline GLB1 gene: case study. *The Journal of Veterinary Medical Science* 75: 395-397, 2013.

Mizukami K, Yabuki A, Kawamichi T, Chang HS, Rahman MM, Uddin MM, Kohyama M, Yamato O*. Rapid real-time PCR genotyping assay for canine trapped neutrophil syndrome and high frequency of the mutant allele in Border collies. *The Veterinary Journal* 195: 260-261, 2013.

S Das, BK Nath, A Alim, S Sikder, MS Pallab. 2013. Acanthomatous ameloblastoma in a female Spitz dog with a rare atypical histomorphology: A Case Study *Vet. World* 6, 219-222

MS Nawaz, GJ Islam, A Siddiki, MA Yousuf, MA Salam. 2013. Synthesis and characterization of chlorocobaloximes containing phosphorous donor ligands as possible non-organometallic models of vitamin B12. *Journal of Engineering* 4 (1), 47-51

BC Das, D Biswas, MF Hossain, S Das, AZ Siddiki, A Mannan. 2013. A postmortem experience of Indian rock python (*Python molurus molurus*) that swallowed a whole barking deer. *Veterinary World* 6 (3)

A Siddiki. 2013. Sporozoite proteome analysis of *Cryptosporidium parvum* by one-dimensional SDS-PAGE and liquid chromatography tandem mass spectrometry *Journal of Veterinary Science* 14 (2), 107-114

2014

M. S. Islam, M. A. Alim, S. Das, K. K. Ghosh, S. Pervin, A. Lipi, AMAM Z. Siddiki, M. Masuduzzaman, M. A. Hossain, 2014. Prevalence of *Haemoproteus* sp. in domestic Pigeon at Chittagong and Khulna District in Bangladesh. *The Journal of Advances in Parasitology*, 1(2): 24-25.

M. S. Islam, S. Das, M. A. Alim, M. Mohiuddin, M. H. Bin Kabir, M. T. Islam, K. K. Ghosh, M. Masuduzzaman, 2014. Progressive type of Canine Transmissible Venereal Tumor (CTVT) in a male stray dog: a case report. *Research Journal for Veterinary Practitioners*, 2017, 4(3): 10-16.

Islam M. S., Das S., Talukdar M. M. I., Islam M. A., Ghosh K. K., Alim M. A. and Masuduzzaman M. 2014. Pathological affection of liver due to hydatidosis and fascioliasis in slaughtered food animal (cattle and buffalo) in Chittagong district, Bangladesh. *Wayamba Journal of Animal Science*, pp. 1014-1019.

Islam M.S., Das S., Pervin S., Imtiaz M.A., Sutradhar B.C., Masuduzzaman M., and Das B.C. 2014. Subcutaneous infiltrative lipoma in a male Spitz dog. *Wayamba Journal of Animal Science*. 1394865803, P893-P898 .

Islam MS , Das S, Talukdar MMS, Islam MA, Ghosh KK, Alim MA, Masuduzzaman M. (2014). Pathological Affection of Liver due to Hydatidosis and Fascioliasis in Slaughtered food animal (Cattle and Buffalo) in Chittagong district. *W.J. Ani. Sci.* 1401266035,6(P1014-P1019). <http://wayambajournal.com/documents/1401266035.pdf>

Islam MS, Das S, Pervin S, Imtiaz MA, Sutradhar BC, Masuduzzaman M, Das BC. (2014). Subcutaneous infiltrative lipoma in a male Spitz dog. *W.J. Ani. Sci.* 1394865803, P893-P898 <http://www.wayambajournal.com/paper.php?n=1394865803.pdf>

Islam MS, Das S, Alim MA, Uddin MM, Kabir MHB, Islam MT, Ghosh KK, Masuduzzaman M. (2014). Progressive type of canine transmissible venereal tumor (CTVT) in a male stray dog: a case report. *Res. J. Vet. Pract.* 2 (4): 70–72. <http://dx.doi.org/10.14737/journal.rjvp/2014/2.4.70.72>

Uddin MI, Sen AB, Islam MS, Das S, Sultana N, Ripa RN, Kashem A, Kamaruddin KM. (2014). Seroepidemiology of infectious laryngotracheitis (ILT) in the commercial layer farms of Chittagong district, Bangladesh. *Adv. Anim. Vet. Sci.* 2 (6): 316 – 320. <http://dx.doi.org/10.14737/journal.aavs/2014/2.6.316.320>

Ghosh KK, Islam MS, Sikder S, Das S, Chowdhury S and Alim MA. (2014). Prevalence of ecto and gastrointestinal parasitic infections of pigeon at Chittagong metropolitan area. Bangladesh. *J. Adv. Parasitol.* 1(1):9– 11. <http://dx.doi.org/10.14737/journal.jap/2014/>

Rahman MM, Yabuki A, Kohyama M, Mitani S, Mizukami K, Uddin MM, Chang HS, Kushida K, Kishimoto M, Yamabe R, Yamato O*. Real-time PCR genotyping assay for GM2 gangliosidosis variant 0 in toy poodles and the mutant allele frequency in Japan. *The Journal of Veterinary Medical Science* 76: 259-299, 2014.

D Biswas, S Das, MA ALIM. 2014. The first record of *Ophidascaris* (Nematode: Ascarididae) in the Asian rock python (*Python molurus molurus*) in Bangladesh *Sch J Agric Sci* 4 (1), 24-26

MA Imtiaz, MA Rahman, K Islam, M Barua, MA Alim, S Chowdhury, S Sikder. 2014. Prevalence and associated risk factors of myiasis in different areas of Chittagong, Bangladesh. *Res. J. Vet. Pract* 2 (2), 22-27

KK Ghosh, MS Islam, S Sikder, S Das, S Chowdhury, MA Alim. 2014. Prevalence of Ecto and Gastrointestinal Parasitic Infections of Pigeon at Chittagong Metropolitan Area, Bangladesh. *The Journal of Advances in Parasitology* 1 (1), 9-11

MA Hoque, MM Hassan, E Haque, AH Shaikat, SA Khan, A Alim, L F Skerratt, A Islam, H M Tun, R Dissanayake, TK Day, N C Debnath, M Yamage. 2014. A survey of gastro-intestinal parasitic infection in domestic and wild birds in Chittagong and Greater Sylhet, Bangladesh. *Preventive Veterinary Medicine* 117 (1), 305-312

AMAM Zonaed Siddiki, Sohana Akter Mina, Md Anayet Hasan, Mohammed Touaha Akbar, Rashel Alam, Md Ashraful Islam, Israt Zahan Ira, Bibi Ayesa. 2014. Molecular characterization of *Eimeria* spp. from chicken by Polymerase Chain Reaction based on species-specific SCAR markers. *IOSR Journal of Agriculture and Veterinary Science* 7(1), 13-17 2014

NN Islam, Zinat Farzana, AMMA Chowdhury, Adnan Mannan, KM Kamaruddin, AMAMZ Siddiki, I Uddin. 2014. Characterization of bovine subclinical mastitis caused by *Staphylococcus aureus* in southern Bangladesh by bacteriological and molecular approaches. *Asian Journal of Biological Sciences* 7, 1-12

Nazneen Naher Islam, Mahmuda Akter, Zinat Farzana, Abdul Jabber Bin Kader, I Uddin, AMAMZ Siddiki, K Kamaruddin. 2014. Detection of Staphylococcus aureus in frozen chicken rinse through bacteriological and nuc gene specific PCR methods and their drug resistance patterns in Southern Chittagong, Bangladesh. *Research Journal of Microbiology* 9 (5)

2015

Islam MS, Das S, Islam MA, Talukdar MMI, Hashem MA, Chowdhury S, Masuduzzaman M. (2015). Pathological affections of lungs in slaughtered cattle and buffaloes at Chittagong Metropolitan Area, Bangladesh. *Adv. Anim. Vet. Sci.* 3(1): 27-33. <http://dx.doi.org/10.14737/journal.aavs/2015/3.1.27.33>

Rahman MM, Akter Y, Jamil S, Arifuzzaman M, Islam MS, Siddiki AMAMZ. (2015). A multiplex PCR-based approach for reliable identification of different livestock meats and possible adulteration in the meat markets in Chittagong. *BJVAS.* 3 (1&2): 54-58. <http://www.cvasu.ac.bd>

Ahaduzzaman M, Islam MS, Akter S, Uddin MJ, Sharif SMO, Mannan A. (2015). Asphyxial death by *Oestrus ovis* in a pneumonic goat. *J. Adv. Parasitol.* 2(3): 48-51. <http://dx.doi.org/10.14737/journal.jap/2015/2.3.48.51>

Mannan A, Chowdhury SMZH, Mannan A, Alim MA, Islam MS, Hossain MA. (2015). Study on the prevalence of gastro intestinal parasites of economic importance in cattle in Bangladesh. *BJVAS* . 3 (1&2): 7-14. <http://www.cvasu.ac.bd>

Siddique MZF, Islam MS, Islam SS, Islam MS, Islam MS, Das BC. (2015). Haematobio chemical changes in subclinical mastitis affected high yielding dairy cows in Chittagong district. *International Journal of Natural and Social Sciences*, 2(4): 30-34. <http://www.ijnss.org>

Parvez MA, Islam MS, Das BC, Khatun R. (2015). Concomitant intravenous therapy of ceftriaxone and calcium in recumbent dairy cow immediate after delivery: ante mortem and post mortem inspection. *Res. J. Vet. Pract.* 3(1): 15-18. [http:// dx.doi.org/10.14737/journal.rjvp/2015/3.1.15.18](http://dx.doi.org/10.14737/journal.rjvp/2015/3.1.15.18)

Md. Nur-E-Azam, Pappu Sen, Motahara Tasneem, Md. Shafiqul Islam, Tofazzal Md. Rakib, Md. Abdul Alim, Mohammad Alamgir Hossain (2015) Occurrence of gastrointestinal parasitic infections in pig of Dinajpur district, Bangladesh. *Scientific Journal of Veterinary Advances.* 4(8) 57-66.

Mannan M, Chowdhury SMZH, Mannan A, Alim MA, Islam MS, and Hossain MA (2015) Study on the prevalence of gastro intestinal parasites of economic importance in cattle in Bangladesh. *Bangladesh Journal of Veterinary and Animal Sciences.* Vol 3 (1 &2) 7-14.

AMAM Zonaed Siddiki, Sohana Akter Mina, Zinat Farzana, Bibi Ayesa, Rasel Das, Mohammad Alamgir Hossain (2015) Molecular Characterization of *Cryptosporidium xiaoi* in goat kids in Bangladesh nested PCR by amplification of 18S rRNA gene. *Asian Pacific Journal of Tropical Biomedicine.*5(3):930-935.

Mohammad Alamgir Hossain, Sohana Akter Mina, Zinat Farzana, Lolo Wal Marzan, Mohammad Asif Imran Khan Emon, Rasel Das, AMAM Zonaed Siddiki (2015) Molecular characterization of *Giardia intestinalis* assemblage E from goat kids in Bangladesh. *Asian Pacific Journal of Tropical Disease.*5(5):930-935.

Rahman MM*, Akter Y, Jamil S, Arifuzzaman M, Islam MS, Siddiki AMAMZ. A multiplex PCR-based approach for reliable identification of different meat species and possible adulteration in the

meat markets in Chittagong, Bangladesh. *Bangladesh Journal of Veterinary and Animal Sciences* 3: 54-58, 2015.

Kohyama M, Yabuki A, Kawasaki Y, Kawaguchi H, Miura N, Kitano Y, Onitsuka T, Rahman MM, Miyoshi N, Yamato O*. GM2 gangliosidosis variant 0 (Sandhoff disease) in a mixed-breed dog. *Journal of American Animal Hospital Association* 51: 396-400, 2015.

2016

Azam, M. N. E., Islam, M. S., Tasneem, M., Rakib, T. M., Bari, M. E., Mannan, M. A., Rahman, M. M., Masuduzzaman, M, Hossain, M. A. 2016. Molecular Identification of Babesiosis in Stray Dog at Chittagong Metropolitan Area, Bangladesh. *Advances in Animal and Veterinary Sciences*, 4 (11): 604-612..

Rakib T. M., Islam M. S., Rahman M. M., Siddiki A. M. A. M. Z., Sutradhar B. C., Hossain M. A., Masuduzzaman M. 2016. A case report on invasive ductal carcinoma in dog. *Advances in Animal and Veterinary Sciences*, 4(1): 1-4.

Uddin MI, Islam MS, Rakib TM, Das S, Kamaruddin KM, Biswas PK. (2016). Molecular detection of infectious bronchitis virus isolated from commercial breeder farms in Chittagong District, Bangladesh. *Adv. Anim. Vet. Sci.* 4(7): 370-375. <http://dx.doi.org/10.14737/journal.aavs/2016/4.7.370.375>

Roy S, Islam MS, Barua SR, Islam MS, Chawdhury S. (2016). Prevalence of *S. aureus* and *E. coli* causing subclinical mastitis in goat with their antibiotic resistance pattern and associated risk factors. *BJVS*. 4 (1&2): 38-42.

Uddin MI, Abid MH, Islam MS, Rakib TM, Sen AB, Chowdhury SMZH, Anwar MN, Kamaruddin KM. (2016). Molecular identification of *Mycoplasma synoviae* from seroprevalent commercial breeder farms at Chittagong district, Bangladesh, *Vet. world*, 9(10): 1063-1069. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5104713>

AZAM MN, Sen P, Tasneem M, Islam MS, Rakib TM, Alim MA, Hossain MA. (2016). The occurrence of gastrointestinal parasitic infections in the pig of Dinajpur district, Bangladesh. *Sci. J. Vet. Adv.* :<http://www.sjournals.com/index.php/SJVA/article/view/2057>

Mokbul SB, Rakib TM, Dash AK, Nath SK, Bhowmik DK, Barua SR, Islam MS, Samun S, Shaikat AH. (2016). Fecal hormone assay and urinalysis of pregnant cattle. *Adv. Anim. Vet. Sci.* 4 (4):200-204. <http://dx.doi.org/10.14737/journal.aavs/2016/4.4.200.204>

Ghosh SK, Ahaduzzaman M, Islam MS. (2016). Isolation and identification of *Salmonella* spp. by *InvA* gene and *SefA* gene-specific PCR and their antimicrobial resistance patterns from captive ostrich in Bangladesh. *Anls. Vet. An. Sci.* (Submitted)

Tofazzal Md. Rakib, Md. Shafiqul Islam, Mohammad Mahabubr Rahman, AMAM Zonaed Siddiki, Bibek Chandra Sutradhar, Mohammad Alamgir Hossain and Md. Masuduzzaman (2016) A case report on invasive ductal carcinoma in dog. *Advances in Animal and Veterinary Sciences*. 4(1):1-4.

Md. Nur-e-Azam, Md. Shafiqul Islam, MotaharA Tasneem, Tofazal Md. Rakib, Md. Ekramul Bari, Md. Abdul Mannan, Mohammad Mahbubur Rahman, Md. Masduzzaman, Mohammad Alamgir Hossain (2016) Molecular Identification of Babesiosis in Stray Dog at Chittagong Metropolitan Area, Bangladesh. *Advance in Animal and Veterinary Science* 4(11): 604-612.

Mizukami K, Yabuki A, Kohyama K, Kushida K, Rahman MM, Uddin MM, Sawa M, Yamato O*. Molecular prevalence of multiple genetic disorders in Border collies in Japan and recommendations for genetic counselling. *The Veterinary Journal* 214: 21-23, 2016.

Rakib TM*, Islam MS, Rahman MM, Siddiki AZ, Sutradhar BC, Hossain MA, Masduzzaman M. A case report on invasive ductal carcinoma in dog. *Advances in Animal and Veterinary Sciences* 4: 1-4, 2016.

Kohyama M, Tada N, Mitsui H, Tomioka H, Tsutsui T, Yabuki A, Rahman MM, Kushida K, Mizukami K, Yamato O*. Real-time PCR genotyping assay for canine progressive rod-cone 4 degeneration and mutant allele frequency in Toy Poodles, Chihuahuas and 5 Miniature Dachshunds in Japan. *The Journal of Veterinary Medical Science* 78: 481–484, 2016.

M Rokonujjaman, MA Salam, MZ Sultan, AKMNA Siddiki. 2016. Study of In vitro Interaction of Sildenafil Citrate with Bovine Serum Albumin by Fluorescence Spectroscopy
The First International Conference on Technology, Innovation, and Society (ICTIS) 2016

SR Barua, MM Rahman, TM Rakib, MS Islam, T Ferdushy, S Chowdhury. 2016. Prevalence and risk factors of rotavirus infection in calves at Chittagong, Bangladesh
13th Annual Scientific Conference 13, 28-32

Sabuj Kanti Nath, Amith Kumar Dash, Rezaul Alam, Dipon Kumar Bhowmik, Nur E Azam, Shahir Bin Mokbul, Shama Ranjan Barua, Tofazzal Md. Rakib. 2016. Productive and reproductive performance of Red Chittagong Cattle (RCC) in rural rearing system of Bangladesh. *Asian Journal of Science and Technology* 7 (7), 3152-3156

TM RAKIB, L AKTER, SR BARUA. 2016. Effects of age, rearing system and their interaction on phenotypic characteristics in hisex brown laying hens
Scientific Journal of Veterinary Advances 5 (5), 87-96

MI Uddin, MH Abid, MS Islam, TM Rakib, AB Sen, SMZH Chowdhury, M N Anwar, K M Kamaruddin. 2016. Molecular identification of *Mycoplasma synoviae* from seroprevalent commercial breeder farms at Chittagong district, Bangladesh
Veterinary world 9 (10), 1063

SB Mokbul, TM Rakib, AK Dash, SK Nath, DK Bhowmik, SR Barua, MS Islam, S Samun, AH Shaikat. 2016. Fecal hormone assay and urinalysis of pregnant cattle
Adv. Anim. Vet. Sci 4 (5), 200-204

MI Uddin, MS Islam, TM Rakib, S Das, KM Kamaruddin, PK Biswas. 2016. Molecular Detection of Infectious Bronchitis Virus Isolated from Commercial Breeder Farms in Chittagong District, Bangladesh. *Advances in Animal and Veterinary Sciences* 4 (7), 370-375

TM Rakib, MM Hassan, AA Faruq, R Erfan, SR Barua, MO Faruk, M Hasanuzzaman, S Chowdhury, M Alam. 2016. Effect of Transport on Physical and Haematological Status of Cattle in Bangladesh. *Journal of Animal Health and Production* 4 (3), 78-86

T Munmun, KMF Islam, S Jalal, T Das, TM Rakib, K Islam, MR Islam. 2016. Investigation of Proportionate Prevalence of Newcastle Disease in Chicken, Pigeon and Duck at Selected Veterinary Hospitals in Bangladesh and India. *Journal of Dairy, Veterinary & Animal Research* 4 (2), 00118

AA Faruq, MM Hassan, MM Uddin, ML Rahman, TM Rakib, M Alam, A Islam. 2016. Prevalence and multidrug resistance pattern of Salmonella isolated from resident wild birds of Bangladesh. *Int J One Health* 2, 35-41

Miah, G., Das, A., Bilkis, T., Momin, M. M., Uddin, M. A., Alim M. A., Mahmud, M. S., & Miazzi, O.M. (2016). Comparative study on productive and reproductive traits of Black Bengal and Jamnapari goats under semi-intensive condition. *Sci Res J*, IV(II): 1-7. <http://www.scirj.org/papers-0216/scirj-P0216314.pdf>.

Morris, J. L., Bridson, T. L., Alim, M. A., Rush, C. M., Rudd, D. M., Govan, B. L., & Ketheesan, N. (2016). Development of a diet-induced murine model of diabetes featuring cardinal metabolic and pathophysiological abnormalities of type 2 diabetes. *Biol Open*, 5(8), 1149-1162. DOI: 10.1242/bio.016790. [impact factor: 2.02]

2017

Mannan, M. A., Masduzzaman, M., Rakib, T. M., Chowdhury, S., & Hossain, M. A. 2017. "Histopathological and haematological changes in haemonchosis in small ruminants of Bangladesh." *Bangladesh Journal of Veterinary and Animal Sciences*, 5(2), 17-23.

Chowdhury, S., Barua, S. R., Rakib, T. M., Rahman, M. M., Ferdushy, T., Hossain, M. A., Islam, M. S., Masduzzaman, M. 2017. Survey of Calf Management and Hygiene Practices Adopted in Commercial Dairy Farms in Chittagong, Bangladesh. *Advances in Animal and Veterinary Sciences*, 5: 14-22.

O. Faruk, A.M.A.M. Zonaed Siddiki, M.F. Karim, M. Masduzzaman, S. Chowdhury, M.S. Islam and M.A. Hossain., 2017. Molecular characterization of *Echinococcus granulosus* through amplification of 12S rRNA gene and cox1 gene fragments from cattle in Chittagong, Bangladesh. *International Journal of Biological, Biomolecular, Agricultural, Food and Biotechnological Engineering*. 11 (4), 301-305.

O. Faruk, A.M.A.M. Zonaed Siddiki, M.S. Islam, A. Rekha, S. Chowdhury, M. Masduzzaman, M.A. Hossain, 2017. Identification of Non Cerebral Cyst: zoonotic *Taenia multiceps* in domestic goat in Bangladesh. *Veterinary World*. 10(10), 1156-1160.

Chowdhury S, Barua SR, Rakib TM, Rahman MM, Ferdushy T, Hossain MA, Islam MS, Masduzzaman M (2017). Survey of calf management and hygiene practices adopted in commercial dairy farms in Chittagong, Bangladesh. *Adv. Anim. Vet. Sci.* 5(1): 14-22.

Mukti Barua, Goutam Buddha Das, Kamrul Islam, Sharmin Chowdhury, Md. Emran Hossain, Babu Kanti Nath and Md. Shafiqul Islam, 2017. Effect of Fish Oil on Performance, Coccidiosis Prevention and Serum Lipid Profile in Broiler. *Asian Journal of Poultry Science*, 11: 20-30.

Mannan MA, Masduzzaman M, Rakib TM, Chowdhury S, Hossain MA. (2017). Histopathological and haematological changes in haemonchosis caused by *Haemonchus contortus* in small ruminants of Bangladesh. *Bangladesh Journal of Veterinary and Animal Sciences*. 5(2):17-23.

Sharmin Chowdhury, Shama Ranjan Barua, Tofazzal Md. Rakib, Mohammad Mahbubur Rahman, Tania Ferdusy, Mohammad Alamgir Hossain, Md. Shafiqul Islam and Md. Massuduzzaman (2017) Survey of calf management and hygiene practices adopted in commercial dairy farms in Chittagong. *Advances in Animal and Veterinary Sciences*. 5(1): 14-22.

Faruk, M.O, Siddiki, A.M.A.M.Z, Masuduzzaman, M, Chowdhury, S. and Hossain, M. A (2017) Identification and molecular characterization of *Echinococcus granulosus* from domestic goat in Chittagong, *Bangladesh Tropical Biomedicine* 34(4): 1–10.

Mannan, M., Siddiki, A. Das, S., Alim, M.A., & Hossain, M. A. (2017). Molecular identification and characterization of *Trypanosoma* infection in cattle in Chittagong Metropolitan area, Bangladesh. *Bangl J Vet & Anim Sci*, 5(2):52-60.

Alim, M. A., Sikder, S., Bridson, T. L., Rush, C. M., Govan, B. L., & Ketheesan, N. (2017). Anti-mycobacterial function of macrophages is impaired in a diet induced model of type 2 diabetes. *Tuberculosis (Edinb)*, 102, 47-54. DOI: 10.1016/j.tube.2016.12.002. [impact factor: 2.62]

Haleagrahara, N., Miranda-Hernandez, S., Alim, M. A., Hayes, L., Bird, G., & Ketheesan, N. (2017). Therapeutic effect of quercetin in collagen-induced arthritis. *Biomed Pharmacother*, 90, 38-46. DOI: 10.1016/j.biopha.2017.03.026. [impact factor: 4.54].

MKI Khan, AZ Siddiki, MR Ali, MA Akter. 2017. Identification of best performer hilly chickens of Bangladesh in consideration of climate change factors: light and heat
Indian Journal of Animal Sciences 87 (8), 991-995

Rahman, MS, Rahman, MM, Moghal, MMR, Rakib, TM and A.M.A.M.Z. Siddiki, (2017). "Characterization of bacteria causing bovine mastitis by Amplified Ribosomal DNA Restriction Analysis (ARDRA) method". *Bangladesh Journal of Veterinary and Animal Sciences*. 5(2) 44-51

2018

Rakib, T. M., Barua, S. R., Siddiki, A. M. A. M. Z., Masuduzzaman, M., Hossain, M. A., & Chowdhury, S. 2018. Histopathology in Bovine Rotavirus (Type A) Infected Calves and Its Confirmation by ELISA and RT-PCR. *Journal of Dairy and Veterinary Science*, 6(4): JDVS.MS.ID.555693 (2018).

Barua, S. R., Rakib, T. M., Das, S., Masuduzzaman, M., Hossain, M. A., Chowdhury, S. 2018. Hematological and Serological Changes in Neonatal Diarrheic Calves Infected with Bovine Rotavirus. *Multidisciplinary Advances in Veterinary Science*, 2(3), 356-366.

Rakib, T., Islam, M. S., Nur-E-Azam, M., Islam, S., Faruq, A., Das, T., Akter, L., Hassan, M., & Hossain, M. (2018). Multidrug Resistance Pattern of *Salmonella Typhimurium* Isolated from Rectal Swabs of Stray Dogs at Chittagong Metropolitan Area (CMA), Bangladesh. *Microbiology Research Journal International*, 25(4), 1-11.

Shubhagata Das, Tofazzal Md. Rakib, Md. Shafiqul Islam, Md. Mustafizur Rahaman, Tridip Das, Mohammad Alamgir Hossain, Subir Sarker & Shane R. Raidal (2018) The complete mitogenome of

indian star tortoise (*Geochelone elegans*). Mitochondrial DNA part B. ISSN: (Print) 2380-2359 (Online) Journal homepage: <http://www.tandfonline.com/loi/tmdn20>

Rakib, TM, Islam, SM. Azam, MN and Hossain MA (2018) Multidrug Resistance Pattern of *Salmonella* Typhimurium Isolated from Rectal Swabs of Stray Dogs at Chittagong Metropolitan Area (CMA), Bangladesh. *Microbiology research* 25(4):1-11

Siddiki, Z. AMAM, Sultana, A., Saida Z., Nath, B. R., Kamal, T and Hossain, M. A. (2018) Morphological identification of *Calicophoron* sp (*Digenea* Paramphistomidae) in the rumen of infected goat. *Bangladesh Journal of Veterinary and Animal Sciences*. 6(1 &2):65-69.

Md. Akramul Bari, Md Zulfekar Ali, Sharmin Chowdhury, Abdul Mannan, Md. Nur-e-Azam, Mohammad Moktader Moula, Zafar Ahmed Bhuiyan, Md. Taohid wasim Shaon, Mohammad Alamgir Hossain (2018) Prevalence and Molecular Identification of Haemoprotozoan Diseases of Cattle in Bangladesh. *Advances in Animal and Veterinary Sciences*. 6(4):176-182.

Mizanur Rahman, Shariful Islam, Md. Masduzzaman¹, Mahabub Alam, Mohammad Nizam Uddin Chawdhury, Jinnat Ferdous, Md. Nurul Islam, Mohammad Mahmudul Hassan, Mohammad Alamgir Hossain and Ariful Islam (2018) Prevalence and diversity of gastrointestinal helminths in free-ranging Asian house shrew (*Suncus murinus*) in Bangladesh. *Veterinary World*, 11(4): 549-556.

Barua SR, Rakib TM, Das S, Masduzzaman M, Hossain MA, Chowdhury S. (2018). Hematological and Serological Changes in Neonatal Diarrheic Calves Infected with Bovine Rotavirus. *Multidisciplinary Advances in Veterinary Science*. 2(3):356-366.

Yabuki A, Hamamoto T, Rahman MM, Yamato O. Changes in lectin-binding patterns in the kidneys of canines with immune-complex mediated glomerulonephritis. *The Journal of Veterinary Medical Sciences* 80: 1562-1566, 2018

S Sikder, NL Williams, AE Sorenson, MA Alim, ME Vidgen, NJ Moreland, CM Rush, R S Simpson, B L Govan, R E Norton, M W Cunningham, D J McMillan, K S Sriprakash, N Ketheesan. 2018. Group G streptococcus induces an autoimmune carditis mediated by interleukin 17A and interferon γ in the Lewis rat model of rheumatic heart disease. *The Journal of infectious diseases* 218 (2), 324-335 12

M Alam, M Hasanuzzaman, MM Hassan, TM Rakib, ME Hossain, M H Rashid, M A Sayeed, L B Philips, M A Hoque. 2018. Assessment of transport stress on cattle travelling a long distance (\approx 648 km), from Jessore (Indian border) to Chittagong, Bangladesh *Veterinary record open* 5 (1).

2019

S Das, TM. Rakib, MS Islam, MM Rahaman, T Das, MA Hossain, S Sarker, S Raidal. 2019. The first complete mitogenome of Indian star tortoise (*Geochelone elegans*). *Mitochondrial DNA Part B* 3 (2), 1112-1113

Mannan, M. A, Siddiki, AMAMZ ., Miya, M. S., Chowdhury, S., Kamal, T. and Hossain, M. A (2019) Factors associated with the hatchability of *Haemonchus* species eggs and molecular identification of *Haemonchus contortus*. *Bangladesh Journal of Veterinary and Animal Sciences*. 7(2):1-09.

- Hossain, M. M., Hasib, F. M.Y., Bayzid, M., Hassan, M.M., Hossain, M. A., and Alim, M. A (2019) Prevalence of gastro-intestinal parasitic infections in sheep of a coastal belt under Noakhali district, Bangladesh. *Bangladesh Journal of Veterinary and Animal Sciences*. 7(2):32-37.
- Siddiki, AMAMZ., Sarker, M.S., Mazumder, S., Bhuiya, B.A., Basher, K., Kamal, T. and Hossain, M.A.(2019) Morphotaxonomic and DNA barcoding analyses of mosquitoes collected from Chattogram Metropolitan area. *Bangladesh Journal of Veterinary and Animal Sciences*. 7(1):1-08.
- Rahman MK, Islam S, Rahman M, Ferdous J, Akter S, Rahaman MM, Hossain MA, Hassan MM, Islam A (2019) Hematological and biochemical reference values of Asian house shrews (*Suncus murinus*) in Bangladesh, *Veterinary World*, 12(9): 1514-1518
- Siddiki AZ, Baten A, Billah M, Alam MAU, Shawrob KSM, Saha S, Chowdhury M, Rahman AH, Stear M, Miah G, Kumkum M, Islam MS, Hossain MA, Mollah AKMM, Khan MKI (2019) The genome of the Black Bengal goat (*Capra hircus*). *BMC Res Notes*. Jun 27;12(1):362. doi: 10.1186/s13104-019-4400-3.
- Kayesh MEH, Yamato O, Rahman MM, Hashem MA, Maetani F, Eiei T, Mochizuki K, Sakurai H, Tsukiyama-Kohara K. Molecular dynamics of koala retrovirus infection in captive koalas in Japan. *Archives of Virology* 164: 757-765, 2019.
- Sikder, S., Price, G., Alim, M. A., Gautam, A., Scott Simpson, R., Margaret Rush, C., . . . Ketheesan, N. (2019). Group A streptococcal M-protein specific antibodies and T-cells drive the pathology observed in the rat autoimmune valvulitis model. *Autoimmunity*, 52(2), 78-87. DOI: 10.1080/08916934.2019.1605356. [impact factor: 7.64]
- Alim, M. A., Sikder, S., Sathkumara, H., Kupz, A., Rush, C. M., Govan, B. L., & Ketheesan, N. (2019). Dysregulation of key cytokines may contribute to increased susceptibility of diabetic mice to *Mycobacterium bovis* BCG infection. *Tuberculosis*. DOI: 10.1016/j.tube.2019.02.005 [impact factor: 2.58]
- A.M.A.M.Z. Siddiki, AH Rahman, Michael Stear, MKI Khan, Gous Miah, Masum Billah, MAU Alam, KSM Shawrob, M Kumkum, S Saha, M Chowdhury, AKMM Mollah and A Baten (2019). "Complete Mitochondrial Genome Sequence of Black Bengal Goat (*Capra hircus*)". *Mitochondrial DNA Part B: Resources* .4(2): 2121-2122 <https://doi.org/10.1080/23802359.2019.1623098>
- Nazmul Hoque, AMAM Z. Siddiki et al, (2019) "Metagenomic deep sequencing reveals association of microbiome signature with functional biases in bovine mastitis" *Scientific Reports*. 9: 13536 <https://doi.org/10.1038/s41598-019-49468-4>
- Saida Zinnuraine, T. Kamal and AMAMZ Siddiki (2019) Histopathological investigation of a unilateral spermatocytic seminoma in a dog. *Bangladesh Journal of Veterinary and Animal Sciences*. 7(1)
- T. Sultana, S. K. Ghosh, S. Akter, MA Mithu, NN Tamzi, and AMAMZ Siddiki (2019) Nutritional and microbiological assessment of shidhal, a semi-fermented fish product of Bangladesh. *Bangladesh Journal of Veterinary and Animal Sciences*. 8(1) 56-64
- AMAMZ Siddiki, MS Sarker, S. Mazumder, B.A. Bhuiya, B.A., K. Basher, T. Kamal and M.A. Hossain, (2019) DNA barcoding and morphotaxonomic analyses of mosquitoes collected from Chattogram Metropolitan area. *Bangladesh Journal of Veterinary and Animal Sciences*. 8(1) 1-9

Das, Tridip & Hasib, Yasir & Rakib, Tofazzal Md & Masuduzzaman, Md & Das, Shubhagata & Alim, Md Abdul. (2019). Boy or Girl? Avian DNA Sexing Technology has the Answer!. 10.13140/RG.2.2.22772.99206.

2020

Sathkumara, H. D., Muruganandah, V., Cooper, M. M., Field, M. A., Alim, M. A., Brosch, R., . . . Kupz, A. (2020). Mucosal delivery of ESX-1-expressing BCG strains provides superior immunity against tuberculosis in murine type 2 diabetes. *Proc Natl Acad Sci U S A*. DOI: 10.1073/pnas.2003235117. [impact factor: 10.62]

Alim, M. A., Kupz, A., Sikder, S., Rush, C., Govan, B. & Ketheesan, N. (2020). Increased susceptibility to *Mycobacterium tuberculosis* infection in a diet-induced murine model of type 2 diabetes. *Microbes Infect.* 2020 Mar 29. pii: S1286-4579(20)30050-2 DOI: 10.1016/j.micinf.2020.03.004 [Epub ahead of print]. [impact factor: 2.37]

Sikder, S., Rush, C. M., Govan, B. L., Alim, M. A. & Ketheesan, N. (2020). Anti-streptococcal antibody and T-cell interactions with vascular endothelial cells initiate the development of rheumatic carditis. *J Leukoc Biol*, 107, 263-271. DOI: 10.1002/JLB.4MA0919-096RR. [impact factor: 4.29]

Abul Bashar Mir Md. Khademul Islam, Md. Abdullah-Al-Kamran Khan, Rasel Ahmed, Md. Sabbir Hossain, Shah Md. Tamim Kabir, Md. Shahidul Islam and AMAM Zonaed Siddiki, (2020) Host transcriptional responses and SARS-CoV-2 isolates from the nasopharyngeal samples of Bangladeshi COVID-19 patients. (Under review) *Cell host and microbes*. bioRxiv 2020.07.23.218198; doi: <https://doi.org/10.1101/2020.07.23.218198>

MN Hoque, Arif Istiaq, Rebecca A. Clement, Keylie M. Gibson, Otun Saha, Ovinu Kibria Islam, Ruhshan Ahmed Abir, Munawar Sultana, AMAM Zonaed Siddiki, Keith A. Crandall, M. Anwar Hossain (2020) Insights into the resistome of bovine clinical mastitis microbiome, a key factor in disease complication. *Frontiers in Microbiology* 11:860 <https://doi.org/10.3389/fmicb.2020.00860>

SM Lokman, MM Hasan, M Rasheduzzaman, A Salauddin, AMAM Zonaed Siddiki, A. Mannan (2020) "Exploring the genomic and proteomic variations of SARS-CoV-2 spike glycoprotein: a computational biology approach". *MEEGID Infection, Genetics and Evolution* (In press) <https://doi.org/10.1016/j.meegid.2020.104389>

MA. Halim, MO Faruk, M. Akter and AMAM.Z Siddiki (2020) "Protoscolicidal effects of *Zingiber officinale* and *Allium cepa* ethanolic extracts using hydatid cysts protoscolices and comparison of their activities with conventional anthelmintic". *Bangladesh Veterinary Journal*. Accepted (In Press)

S. Kundu, MM Rahman, MF Ahsan, V Kumar, AMAMZ Siddiki (2020) DNA barcoding elucidates the population genetic diversity of venomous Cobra species (Reptilia: Elapidae) in Indo-Bangladesh region. *Mitochondrial DNA Part B: Resources* (In press) <https://doi.org/10.1080/23802359.2020.1778552>

AMAMZ Siddiki, G Miah, Md. Sirazul Islam, Mahadia Kumkum, Meheadi Hasan Rumi and Abdul Baten (2020) "Goat genomic resources: The search for genes associated with its economic traits" *International Journal of Genomics* (In press)

MM Kibria, N. Islam, KSM Shawrob, M billah, MH Rumi, AMAMZ Siddiki (2020) “Complete mitochondrial genome sequence of *Catla catla* (Hamilton, 1822) from the Halda river of Bangladesh”. Asian Fisheries Science (Under review)

MM Kibria, N. Islam, KSM Shawrob, M billah, MH Rumi, AMAMZ Siddiki (2020) “The genome of *Catla catla* (Hamilton, 1822) from the Halda river of Bangladesh”. Asian Fisheries Science (Under review)

S. Sikdar, M. Zaman, TA Enan, J. Alam, AMAMZ Siddiki (2020) Comparative genome analysis of Lumpy Skin disease virus with Goat and sheep pox virus indicates similar vaccine efficiency. Bioinformatics (Under review)