CURRICULUM VITAE

Chowdhury Rafiqul Ahsan, Ph.D.
Professor
Department of Microbiology
University of Dhaka
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Education

Graduate and Post Graduate Education:

Obtained Ph.D. degree from the Department of Bacteriology, Hirosaki University, Hirosaki, Japan, 1989.

Obtained M.Sc. degree from the Department of Microbiology, University of Dhaka, Dhaka, 1985 (session 1981).

Obtained B.Sc. (Honours) degree from the Department of Biochemistry, University of Dhaka, Dhaka, 1982 (session 1980).

Employment Experience

Post-Doctoral Research:

August, 2000 – August, 2002: Visiting Research Fellow, Department of Medicine, Thomas Jefferson University, Philadelphia, U.S.A. Worked with Professor Lance L. Simpson on the mechanism of botulinum toxin in gut epithelial cells.

December, 1997 – March, 1998: Visiting Scholar, Department of Bacteriology, Hirosaki University, Hirosaki, Japan. Worked with Professor Jin-ichi Sasaki on the anti-tumor activity of the BCG 64 kDa surface protein.

April, 1994 – March, 1994: Science and Technology Fellow, National Institute for leprosy Research, Tokyo, Japan. Worked with Dr. Hiroko Nomaguchi on the characterization of the 65 kDa heat shock protein from *Mycobacterium leprae.*

Academic Appointments

Present position: Professor, Department of Microbiology, University of Dhaka, Dhaka.

October, 2018- October, 2019: Professor, Microbiology, School of Life Sciences, Independent University, Bangladesh. Dhaka.

April, 2003 – September, 2018: Professor, Department of Microbiology, University of Dhaka, Dhaka.

September, 1997 – March, 2003: Associate Professor, Department of Microbiology, University of Dhaka, Dhaka.

March, 1993 – September, 1997: Assistant Professor, Department of Microbiology, University of Dhaka. Dhaka.

March, 1991- March, 1993: Lecturer, Department of Microbiology, University of Dhaka. Dhaka.

Award/Honour

Elected Fellow, Bangladesh Academy of Sciences.

Memberships in Academic/Professional Societies

Life Member, Bangladesh Society for Immunology (BSI)
Life Member, Bangladesh Society of Microbiologists (BSM)
Life Member, Bangladesh Biochemical Society (BBS)
Life Member, The Society of Global Network of Bangladeshi Biotechnologists (GNOBB)

Positions in Academic/Professional Societies

Past General Secretary, Bangladesh Society for Immunology (BSI)
Past Observer Representative to Federation of Immunological Societies of Asia and Oceania (www.fimsa.org)
Past General Secretary, Bangladesh Society of Microbiologists (www.bsm.org.bd)
Vice President, The Society of Global Network of Bangladeshi Biotechnologists (www.gnobb.org)

Membership in Academic Bodies

Member, Editorial Board, Bangladesh Journal of Microbiology
Member, Editorial Board, Bangladesh Medical Research Council Bulletin
Member, Editorial Board, IMC Journal of Medical Science

Research Collaborations/Funding

a. International Atomic Energy Agency (IAEA), Vienna, Austria
b. Ministry of Science and Information & Communication Technology, Government of the People's Republic of Bangladesh
c. Bangladesh Medical Research Council, Dhaka.
d. Graduate School of Health Sciences, Hirosaki University, Aomori, Japan
e. Department of Biology, University of Bergen, Norway
f. Bangladesh Academy of Science-United States Department of Agriculture (BAS-USDA), Dhaka, Bangladesh.
g. Ministry of Education, Government of the People's Republic of Bangladesh.

Administrative duty

Chairman, Department of Microbiology, University of Dhaka, Dhaka-1000, September, 1997-August, 2000.

Research Publications

Shaly, N.J., Pervez, M.M., Huq, S., Ahmed, D., **Ahsan, C.R.**, Sarmin, M., Afroze, F., Nuzhat, S. Chisti, M.J. and Ahmed, T. 2022. Invasive Fungal Infections in Under-Five Diarrheal Children: Experience from an Urban Diarrheal Disease Hospital. Life 12: 94. https://doi.org/ 10.3390/life12010094.

Sharmin, S., Sabikunnahar, B., Aditya, A., Khan, M.A.K., Nessa, A., **Ahsan, C.R**. and Yasmin, M. 2021. Genotypic distribution and prevalence of human papillomavirus infection in an apparently healthy female population in Bangladesh. IJID Regions 1:130–134.

Usha, M.K., Jahan, J.A., Islam, S.M.R., Begum, F., **Ahsan, C.R.** and Yasmin, M. 2021. Evaluation of plasma Epstein–Barr virus DNA as a biomarker for Epstein–Barr virus–associated Hodgkin lymphoma. SAGE Open Medicine. 9: 1 –5.

Chowdhury, F.M., **Ahsan, C.R.** and Birkeland, N.K. 2021. Oral immunization of *Escherichia albertii* strain DM104 induces protective immunity against *Shigella dysenteriae* type 4 in mouse model. Acta Microbiologica et Immunologica Hungarica. 68: DOI: 10.1556/030.2021.01431.

Sharmin, S., Zohura, F.T., Islam, M.S., Shimonty, A., Khan, M.A.A.K., Parveen, R., Sharmin, F., **Ahsan, C.R**., Islam, A.B.M.M.K. and Yasmin, M. 2021. Mutational profiles of marker genes of cervical carcinoma in Bangladeshi patients. BMC cancer 21: 1-13.

Fujioka, M., Yoshioka, S., Ito, M. and **Ahsan, C.R**. 2021. Biochemical and molecular properties of *Escherichia albertii* isolated from human urine and stool specimens. Japanese J. Infectious Dis. 74:604-606.

Chowdhury, F.M., Birkeland, N.K. and **Ahsan, C.R**. 2020. Comparison of Immunogenicity and Protective Efficacy of the Intranasal and Intraperitoneal Immunization Routes of Escherichia albertii Strain DM104 in Mouse Model. Bangladesh J. Microbiol. 37: 38-41.

Ahsan, C.R. and Ferdous, T. 2020. Characterization of *Vibrio parahaemolyticus* organisms isolated from shrimps and shrimp fields located in the coastal areas of Bangladesh. Int. J. Infect. Dis. 101: 150.

Rume, F.I., Karim, M.R., Biswas, P.K., Yasmin, M. and **Ahsan, C.R**. 2020. Climate change and its influence on occurrence and distribution of Anthrax in Bangladesh. Int. J. Infect. Dis. 101: 411

Alam, K., Rabbi, F., **Ahsan, C.R**. and Sultana, S. 2020. Seasonal Variation and Molecular Characterization of *Vibrio parahaemolyticus* Isolated from Karnaphuni River and Estuary of Chittagong, Bangladesh. Bioresearch Communications. 6: 904-13

Amin, M.N., Yasmin, M., Akhtar, M.Z. and **Ahsan, C.R**. 2020. Molecular Pattern of Anti-malarial Drug Resistance of *Plasmodium falciparum* in Bangladeshi Troops Working in Endemic Areas of Bangladesh and Africa. Bangladesh J. Microbiol. 37: 1-6.

Ahsan, C.R., Begum, K., Kabir, E., Nur-E-Kamal, A. and Talukder, K.A. 2020. Enterotoxic, neurotoxic and cytotoxicity demonstrated by shiga toxin (2d) producing *Escherichia coli* in experimental models. Bangladesh Med. Res. Council Bull. 46: 41-47.

Jilani, M.S.A., Hock, T.T., Mazumder, S., Rahman, F., Mohiuddin, M., **Ahsan, C.R**., Haq, J.A. 2020. Detection of antibodies to recombinant truncated flagellin and sonicated whole cell antigen of *Burkholderia pseudomallei* in acute melioidosis and in healthy Bangladeshi individuals. IMC J. Med. Science 14: 47-52.

Ahmed, T., Archie, S.R., Faruk, A., Chowdhury, F.A., Shoyaib, A.A. and **Ahsan, C.R**. 2020. Evaluation of the anti-inflammatory activities of diclofenac sodium, prednisolone and atorvastatin in combination with ascorbic acid. J. Anti Inflamm. Anti-Allergy in Med Chem. 19 (3): 1-11.

Rume, F.I., Karim, M.R., **Ahsan, C.R**., Yasmin, M. and Biswas, P.K. 2020. Risk factors for bovine anthrax in Bangladesh, 2010 - 2014: a case-control study. Epidemiol. Infect. 148, e67, 1–6.

Biswas, J., Jainab, T., Hossain, M., Yasmin, M., Nessa, J. and **Ahsan, C.R.** 2019. Characterization of *ctx* gene negative *Vibrio fluvialis* organisms isolated from the environment. Bangladesh J. Microbiol. 36: 91-97.

Nabi, A., Chowdhury, F.M., Jahan, Z., Sarkar, M.M.H., Rabbi, F. and **Ahsan, C.R.** 2019. Cross-reacting surface proteins between different *Escherichia coli* O157:H7 strains and their immune responses in animal models. Bangladesh J. Microbiol. 36: 11-15.

Khan, U., Afsana, S., Kibtia, M., Hossain, M., Choudhury, N. and **Ahsan, C.R.** 2019. Presence of *bla*CTX-M antibiotic resistance gene in *Lactobacillus* spp. isolated from Hirschsprung diseased infants with stoma. J Infect Dev Countries 13:426-433.

Hossain, M.J., Biswas, S., Islam, S., Shahriar, M., and **Ahsan, C.R**. 2019. *In vitro* bimolecular investigation, antioxidant capacity, antimicrobial activity and *in vivo* anticancer effects of *Mucuna poggei* fruit peel extracts. Turkish J. Biotechnol. 102: 120-129.

Chowdhury, F.M., Khan, S.I., Birkeland, N., and **Ahsan, C.R.**, 2018. Antigenic cross reactivity between *Escherichia albertii* DM104 and different *Shigella* spp. Bangladesh J. Microbiol. 35: 17-22.

Hossian, M.J., Biswas, S., Shahriar, M., Islam,S., and **Ahsan, C.R**. 2018. *In vivo* activity on Ehrlich Ascites Carcinoma (EAC) cells and *in vivo* antimicrobial activity of *Psidium guajava* bark extracts. Bangladesh J. Microbiol. 35: 79-81.

Hossain, M.J., Biswas, S., Shahriar, M., Chowdhury, M.M., Islam, S. and **Ahsan, C.R**. 2018. Phytochemical Screening, Antimicrobial Activity, Antioxidant Capacity and *in vivo* Anticancer Activity of *Lannea coromandelica* Bark Extracts. IOSR J. Pharm. Biol. Sci. 13: 19-25.

Islam, M.N., Ahmed, D., Hossain, M.A., **Ahsan, C.R.** and Yasmin, M. 2018. Prevalence of Metallo-β-lactamase Producing Non-fermentative Pseudomonas Species from Clinical Isolates in Dhaka, Bangladesh. Mymensingh Med J. 27:89-94.

Chowdhury, F.M., Rahman, M.Z., Sarkar, M.M.H., Rabbi, F., Khan, S.I., **Ahsan, C.R**., and Birkeland, N. 2017. Protection against shigellosis caused by *Shigella dysentery* serotype 4 in guinea pigs using *Escherichia albertii* DM104 as a live vaccine candidate strain. Acta Microbiologica et Immunologica Hungarica. 64: 151–164.

Shaief, F.M., Alam, S.M.S., Alam, M.S., Yasmin, Y., **Ahsan, C.R**. and Nessa J. 2017. Evaluation of serum transaminase level as diagnostic tool for assessing hepatic disease conditions among chronic hepatitis B patients in Bangladesh. Bangladesh J. Microbiol. 34:39-42.

Shamma, F., Ahsan, N., Islam, M.J. and **Ahsan, C.R.** 2016. Environmental factors regulate the *hlyE* gene expression in both *S.typhi* and *E.coli* in a similar way to display haemolytic activity. Bangladesh Med. Res. Counc. Bull. 42: 33-38.

Tabashsum, Z., Nazneen, M., **Ahsan, C.R**., Bari, M.L. and Yasmin, M. 2016. Influence of Detection Methods in Characterizing *Escherichia coli* O157:H7 in Raw Goat Meat Using Conventional and Molecular Methods. Biocontrol Science. 21: 261-64

Rume, F.I., **Ahsan, C.R.**, Biswas, P.K., Yasmin, M., Braun, P., Walter, M.C., Antwerpen, M., Grass, G. and Hanczaruk, M. 2016. Unexpected genomic relationships between *Bacillus anthracis* strains from Bangladesh and Central Europe. Infect. Genet. Evol. pii: S1567-1348(16)30354-9. doi: 10.1016/j.meegid.2016.08.017.

Auroni, T.T., Islam, M.D., Khatun, M.S., Shifat-E-Monjur, M., Yasmin, M., **Ahsan, C.R.** and Nessa, J. 2016. An insight into bacteriophages' response to various physical and chemical conditions: Temperature, pH, salts. Dhaka Univ. J. Biol. Sci. 25: 185-194.

Rume, F.I., Antwerpen, M., Braun, P., Biswas, P.K., Yasmin, M., Grass, G., **Ahsan, C.R**. and Hanczaruk, M. 2016. Genome Sequence of *Bacillus anthracis* Strain Tangail-1 from Bangladesh. Genome Announc. 4(4): e00748-16. doi: 10.1128/genomeA.00748-16.

Rume, F.I., Affuso, A., Serrecchia, L., Rondinone, V., Manzulli, V., Campese, E., Di Taranto, P., Biswas, P.K., **Ahsan, C.R**., Yasmin, M., Fasanella, A. and Hugh-Jones, M. 2016. Genotype Analysis of *Bacillus anthracis* Strains Circulating in Bangladesh. PLoS ONE 11(4): e0153548. doi:10.1371/journal.pone.0153548.

Mistri, S., Sultana, M., Kamal, S.M.M., Alam, M.M., Irin, F., Nessa, J., **Ahsan, C.R.** and Yasmin, M. 2016. Evaluation of efficiency of nested MAS-PCR assay for detection of Multidrug Resistant Tuberculosis (MDR-TB) directly from sputum samples. Lett. Applied Microbiol. 62(5): n/a-n/a. doi: 10.1111/lam.12564.

Rahman, M.A., Hakim, F., Ahmed, M., **Ahsan, C.R**., Nessa, J. and Yasmin, M. 2016. Prevalence of genotypes and subtypes of hepatitis B viruses in Bangladeshi population. Springer Plus 5:278, DOI 10.1186/s40064-016-1840-2.

Jilani, M.S.A., Robayet, J.A.M., Mohiuddin, M., Hasan, M.R,, **Ahsan, C.R**., Haq, J.A. 2016. *Burkholderia pseudomallei*: Its detection in soil and seroprevalence in Bangladesh. PLoS Negl Trop Dis. 10: e0004301. doi:10.1371/journal.pntd.0004301.

Mosharraf, F.B., **Ahsan, C.R.,** Nessa, J., Yasmin, M. 2015**.** Exploring the best possible route of infection of Verotxin producing *Escherichia coli* in development of experimental gastroenteritis among streptomycin treated murine model. J. Bangladesh Acad. Sci. 39:53.

Yusuf, M.A., Begum, A. **Ahsan, C.R**. 2015. Antibiotic sensitivity pattern of gram negative uropathogenic bacilli at a private hospital in Dhaka city. Al Ameen J. Med. Sci. 8: 189-194.

Urmi, N.S., Otomo, Y. and **Ahsan, C.R**. 2015. Detection of trh positive *Vibrio parahaemolyticus* serotype O1:K56 with possible eco-pathological impact from freshwater sediments around Dhaka city, Bnagladesh . Clean-Soil, Air, Water 43:319-323.

Kamal, S.M.M., Hossain, M.A., Sultana, S., Begum, V., Haque, N., Ahmed, M.J., Rahman, T.M.A., Hyder, M.K.A., Hossain, M.S., Rahman, M., **Ahsan, C.R**., Maug, A.K.J., Islam, M.A., Hasan, M.R., and van Deun, A. 2015. Anti-tuberculosis drug resistance in Bangladesh: reflections from the first nationwide survey. Int. J. Tuberc. Dis. 19. Doi: org/10.5588/ijtdl.14.0200.

Jahan, Z., Deeba, I.M., Akter, S., Rahman, T., Nabi, A., Yasmin, M., Nessa, J. and **Ahsan, C.R**. 2014. Immunogenicity of *Streptoccus pneumoniae* 74 kDa surface protein in rabbit model. Bangladesh J. Microbiol. 31: 25-28.

Islam, M.D., Auroni, T.T., Khatun, M.S., Shifat-E-Monjur, M., Yasmin, Y., **Ahsan, C.R**. and Nessa, J. 2014. Virucidal efficiency of chemical agents: A comparative analysis. Bangladesh J. Microbiol. 31: 47-52.

Chowdhury, F.M., Rahman, M.Z., Khan, S.I., **Ahsan, C.R**. and Birkeland, N-K. 2014. The non-virulent environmental *Escherichia albertii* strain, DM104, induces protective immunity to *Shigella dysenteriae* in guinea pig eye model. Current Microbiol. 68:642-647. Doi: 10.1007/s00284-014-0522-y.

Rabbi, F., Yasmin, M., Nessa, J., Nabi, A., Chowdhury, F.M., Otomo, Y. and **Ahsan, C.R**. 2014. Bovine *Escherichia coli* O157:H7 of Bangladesh: Is it capable of causing diseases similar to clinical strains? African J. Microbiology Research. 8: 147-154.

Fujioka, M., **Ahsan, C.R**. and Otomo, Y. 2013. Rapid Detection Method for Enteroaggregative *Escherichia coli* Using Simple Clump Formation and Aggregative Assay. Advances in Microbiol. 3: 552-556. doi: 4236/aim.2013.38074

Mosharraf, F.B., **Ahsan, C.R**., Nessa, J., Yasmin, M. 2013. The effect of Verotoxin Producing *Escherichia coli* in Development of Experimental Gastroenteritis among Streptomycin Treated Murine Model: A Longitudinal Study. Bangladesh J. Microbiol. 30:31-38.

Shahriar, M., **Ahsan, C.R**., Choudhury, N. and Kabir, S. 2013. Antigenic cross reaction between the pneumococcal polysaccharide vaccine and the *Streptococcus pneumoniae* 7F, one of the prevalent serotypes in Bangladesh. IJBSP 4: 13-20.

Otomo, Y., Hossain, F., Rabbi, F., Yakuwa, Y. and **Ahsan, C.R.** 2013. Pre-enrichment of estuarine and fresh water environmental samples with sodium chloride yields in better recovery of *Vibrio parahaemolyticus*. Advances in Microbiol. 3: 21-25. doi: 10.4236/aim.2013.31003.

Monir, S., Rabbi, F., **Ahsan, C.R**., and Choudhury, N. 2013. Isolation and characterization of *Vibrio parahaemolyticus* organisms from river sources around Barisal district, Bangladesh. Bangladesh J. Microbiol. 30: 61-64.

Fujioka, M., Otomo, Y. and **Ahsan, C.R**. 2013. A novel single-step multiplex polymerase chain reaction assay for the detection of diarrheagenic *Escherichia coli*. J. Microbiol. Methods. 92: 289-92. doi: 10.1016/j.mimet.2012.12.010.

Rabbi, F., Yasmin, Y., Nessa, J., Otomo, Y. and **Ahsan, C.R**. 2012. Evaluation of Virulence Potentials of Local Bovine *Escherichia coli* O157:H7 Isolates for Causing Outbreaks in Bangladesh. J. Food Science Eng. 2: 487.

Biswas, S., Shahriar, M., Khanam, J.A. and **Ahsan, C.R**. 2012. Investigation of antioxidant, *in vitro* cytotoxic, and *in vivo* antitumor effects of leaf extracts of *Annona reticulata*. Bangladesh J. Microbiol. 29: 70-74.

Siddiqui, R., Alam, M.M., Naser, M.N., Otomo, Y., Yasmin, M., Nessa, J. and **Ahsan, C.R**. 2012. Prevalence of *Vibrio alginolyticus* in sediment samples of river and coastal areas of Bangladesh. Bangladesh J. Microbiol. 29: 1-6.

Sarker, R.S.J., Ahsan, N., Hossain, K., Ghosh, P.K., **Ahsan, C.R.** and Akhand, A.A. 2012. Reduction of sodium arsenite-mediated adverse effects in mice using dietary supplementation of water hyacinth (*Eichornia crassipes*) root powder. Avicenna J. Medical Biotech. 4: 148-154.

Mahbub, M. M., **Ahsan, C.R.**, Yasmin, M. and Nessa, J. 2012. Analysis of different prognostic indicators for malnutrition and *Shigella flexneri* infection among the children in Bangladesh. Indian J. Microbiol. 52: 400-405.

Waliullah, S. and **Ahsan, C.R**. 2011. Assessment of microbiological quality of some meat-based fast foods collected from street vendors. J. Innov. Dev. Strategy 5: 44-46.

Alam, M., Farzana, T., **Ahsan, C.R.**, Nessa, J. and Yasmin, M. 2011. Distribution of coliphages against Four *E. coli* virotypes in hospital originated sewage sample and a sewage treatment plant in Bangladesh. Indian J. Microbiol 51:188 -193.

Alam, M., Akhter, M.Z., Yasmin, M., **Ahsan, C.R**. and Nessa, J. 2011. Local bacteriophage isolates showed anti-*Escherichia coli* O157:H7 potency in an experimental ligated rabbit ileal loop model. Can. J. Microbiol. 57:408-415.

Haque, W., **Ahsan, C.R**., Nessa, J. and Yasmin, Y. 2011. Serum *Helicobacter pylori* specific antibodies among children with undernourishment: A case control study. Bangladesh J. Microbiol. 28: 25-31.

Runa, F., Yasmin, M., Hoq, M.M., Begum, J., Rahman, A.S.M.M. and **Ahsan, C.R**. 2011. Molecular versus conventional methods: Clinical evaluation of different methods for the diagnosis of tuberculosis in Bangladesh. J. Microbiol. Immunol. Infect. 44: 101-105.

Imam, H., Yasmin., **Ahsan, C.R**. and Nessa, J. 2010. Pregnant women in and around Dhaka city: Are their children at risk of developing congenital rubella syndrome? Indian J. Microbiol. 50: 443-448. (Impact Factor: 1.29)

Alam, M.M., Yasmin, M., Nessa, J. and **Ahsan, C.R.** 2010, Antibacterial activity of chloroform and ethanol extracts of black cumin seeds (*Nigella sativa*) against multi-drug resistant human pathogens under laboratory conditions. J. Medicinal Plants Res. 4: 1901-5.

Bonny, T.S., Rabbi, F., Yasmin, M., Nessa, J. and **Ahsan, C.R.** 2010 Antigenicity of the surface proteins of non O1 non O139 *Vibrio cholerae* in rabbit model. Dhaka Univ. J. Biol. Sci. 19: 129-135.

Khan, S.F., Rabbi, F., Ahsan, N., Yasmin, M., Nessa, J. and **Ahsan, C.R.** 2010. Novel functions of non O1 non O139 *Vibrio cholerae* lipopolysaccharide for its haemagglutinating activity. Dhaka Univ. J. Biol. Sci. 19: 189-194.

Kamal, S.M.M., Mahmud, A.M., **Ahsan, C.R**., Islam, M.R., Sarwar, G., Rahman, M.M. and Barua, P.C. 2009. Use of Mycobacterial culture for the diagnosis of smear negative TB cases among new outpatients at NIDCH, Dhaka. Bangladesh J. Med. Microbiol. 3: 23-26.

Haque, W., **Ahsan, C.R**., Nessa, J. and Yasmin, Y. 2009. Association between malnutrition and other possible risk elements with the acquisition of *Helicobacter pylori* infection among the children population in Bangladesh. Bangladesh J. Microbiol. 26: 9-14.

Moni, S., Alam, M., **Ahsan, C.R**., Nessa, J. and Yasmin, M. 2009. Occurrence and distribution of bacteriophages infecting pathogenic bacteria in sewage samples around Dhaka city, Bangladesh. Dhaka Univ. J. Biol. Sci. 18: 173-180.

Hossain, M.M., Shams, F., Bashar, S.A.M.K., Khaleque, A., Khan, N.A., Azam, K., **Ahsan, C.R.** and Gomes, D.J. 2008. Clinical aspects of *Helicobacter pylori* infection. Bangladesh J. Med. Sci. 14: 155-168.

Mahbub, M.M., Yasmin, M., **Ahsan, C.R**. and Nessa, J. 2008. Influence of some sociodemographic factors on *Shigella flexnerii* infection and malnourishment among the children population in Bangladesh. Bangladesh J. Med. Sci. 14: 67-74.

Rabbi, F., Sultana, N., Rahman, T., Al-Emran, H.M., Uddin, M.N., Hossain, M., Anwar, K.S., Yasmin, M., Nessa, J. and **Ahsan, C.R.** 2008. Analysis of immune responses and serological cross rectivities among *Vibrio cholerae* O1, *Shigella flexneri* 2a and *Haemophilus influenzae* b. Cell. Mol. Immunol. 5: 394-396.

Haque, M.M., Khan, S.I. and **Ahsan, C.R.** 2007. Influence of some physicochemical stresses on the survival of *Vibrio cholerae* O1 at non-culturable state. Bangladesh J. Microbiol. 24: 133-136.

Islam, K., Khalil, I., **Ahsan, C.R**., Yasmin, M. and Nessa, J. 2007. Analysis of immune responses against *H. pylori* in rabbits. World J Gastroenterol. 13: 600-606.

Rouf, S.F., Jyoti, M. A., **Ahsan, C.R**., Nessa, J. and Yasmin, M. 2006. Prevalence of hepatitis B surface antigen in high-risk groups and their awareness about the infection. Bangladesh J. Microbiol. 23: 34-37.

Islam, M.S., Islam, A.B.M.M.K., **Ahsan, C.R**., Yasmin, M. and Nessa, J. 2006. Seroprevalence of *Helicobacter pylori* among underprivileged Bangladeshi children: Case study in a day-care centre. Bangladesh J. Microbiol 23: 24-28.

Begum, K., **Ahsan, C.R.**, Ansaruzzaman, M., Dutta, D.K., Ahmad, Q.S. and Talukder, K.A. 2006. Toxin(s), other than cholera toxin, produced by environmental non O1 non O139 *Vibrio cholerae*. Cell. Mol. Immunol. 3: 115-121.

Ahsan, C.R., Hajnoczky, G., Maksymowych, A.B. and Simpson, L.L. 2005.Visualization of binding and transcytosis of botulinum toxin by human intestinal epithelial cells. J. Pharm. Exp. Therapeutics 315: 1028-1035.

Rahman, F., Islam, A.B.M.M. K., Nessa, J., **Ahsan, C.R.** and Yasmin, M. 2005. Correlation in prevalence, risk factors and serological detection of *Helicobacter pylori* by different techniques. Bangladesh J. Microbiol. 22: 152-157.

Islam, A.B.M.M.K., Yasmin, M., **Ahsan, C.R.** and Nessa, J. 2005. *Helicobacter pylori* infection in Bangladeshi population: serodiagnosis, seroprevalence and risk factors. Dhaka Univ. J. Biol. Sci.14: 1-8.

Zaki, M.H., Darmstadt, G.L., Baten, A., **Ahsan, C.R.** and Saha, S.K. 2003. Seroepidemiology of hepatitis B and delta virus infections in Bangladesh. J. Tropical Pediatrics, 49: 371-374.

Hossain, M.B., Chowdhury, S., Rouf, S.F., Yasmin, M., Begum, J., Faruq, A.K.M.M.R. and **Ahsan, C.R.** 2003. Prevalence of primary drug resistance in *Mycobacterium tuberculosis* isolated from Dhaka, Bangladesh. Bangladesh J. Microbiol. 20:47-49.

Khan, R., Kabir, M.S., Iqbal, J., Ahmed, T. and **Ahsan, C.R**. 2003. Drug resistant *Streptococcus pneumoniae*: an emerging threat in Bangladesh. Bangladesh J. Microbiol. 20: 37-41

Islam, A.B.M.M.K., Nessa, J., Yasmin, M. and **Ahsan, C.R.** 2002. Seroprevalence of *S. flexneri* 2a in Bangladeshi population and its relationship with sex, age, blood group and acidity. Bangladesh J. Microbiol. 19: 73-77.

Begum, K., **Ahsan, C.R.**, Ahmad, Q.S. and Talukder, K.A. 2002. Cytotoxic activity of *Vibrio cholerae* non 01 non 0139 isolated from surface water in Bangladesh. Bangladesh Pharmaceutical J. 12(2): 23-25.

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Khan, R., Ahmed, T. and **Ahsan, C.R.** 2000. Analysis of surface protein antigens as potential markers for predominant serotypes of *Streptococcus pneumoniae* in Bangladesh. Bangladesh J. Microbiol., 17: 79-86.

Begum, K., Karim, M.Z., Begum A. and **Ahsan, C.R.** 2000. Isolation of non 0139 *Vibrio cholerae* from environmental sources in Dhaka city. Bangladesh J. Microbiol, 17: 101-103.

Mahmud, Z.H., Kabir, M.S., Rashid, M.H. and **Ahsan, C.R.** 1999.Assessment of bacteriological quality of processed fish in different fish processing industries in Khulna, Bangladesh. Bangladesh J. Microbiol., 16: 163-169.

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