**Journal Publications**

**Year 2025**

1. Setu, MAA., Das, PK., Ahammed, T., Saha, S., Hasan, A., Kumar, S., Samiran Das, S., Ahamed, T., Hossain, KMA., Al-Emran, HM., **Hossain, MA.,** Jahid. IK., (2025) Dengue Virus Serotype 2 Cosmopolitan C Genotype Reemerges with a New Bangladeshi Variant in South west Region of Bangladesh. *TBED* (Article ID:8275099) (**Accepted; IF: 3.5**)
2. Rahman, MM., Siddique, N., Gilman, MAA., Hasnat, S., Haider, MG., Rahman, MM., Talukder, AK., Rahman, ANM., Islam, T., Das, ZC., **Hossain, MA**., Hoque, MN. (2025) Genomic and in-vitro analysis of *Pediococcus pentosaceus* MBBL4 implicated its therapeutic use against mastitis pathogens and as a potential probiotic. *Probiotics and Antimicrobial Proteins* (**Accepted, IF: 5.0**).

**Year 2024**

1. Abdul, KM., and Hassan, MH., Ali, MR., and **Hossain, MA** and Aly SAM., Alahmad, W., Sultana, M., Khan, MZH. (2024) Gold-Nanoparticle@Polyaniline Based Positive Electrode for Supercapacitor and Selective Detection of *Escherichia Coli*. Available at SSRN: <https://ssrn.com/abstract=4947996> or [http://dx.doi.org/10.2139/ssrn.4947996](https://dx.doi.org/10.2139/ssrn.4947996)
2. Hoque, MN., Mannan, ABA., Hossain, A., Faisal, GM., **Hossain, MA**. and Sultana, M., (2024) Arsenotrophic Achromobacter aegrifaciens strains isolated from arsenic contaminated tubewell water and soil sources shared similar genomic potentials, *BMC Microbiol*. (Submission ID cac63365-1ed2-43c0-81e5-8492895a68d1; Accepted; **IF: 4.6**).
3. Hossain, A., Hoque, MN., Bukharid, MZ., **Hossain, MA**. and Sultana, M., (2024) Draft genome sequence of *Achromobacter aegrifa*ciens BAW48 isolated from arsenic contaminated tubewell water in Bangladesh, *MRA* **(**PMC11556077 PMID: [39315840](https://pubmed.ncbi.nlm.nih.gov/39315840/) **(IF: 0.7).**
4. Ghosh, S., Anjume, H., Lipu, AH., M. **Hossain, MA**., Sultana, M., Sharmin Rumi Alim, SR. (2024) Occurrence of Multi-Drug Resistant Pathogenic Bacteria in Hospital Cafeteria Fast Foods of Dhaka, Bangladesh. *SSRN* <https://ssrn.com/abstract=4882864>.
5. Hassan, MH., Ali, MR., Rahman, MA., Hossain, A., Afrin, S., Md. Abdul Khaleque, MA., **Hossain, MA.,** Khan, MZH., Sultana, M. (2024) Proposition of a Phagosensor with a Unique *Teseptimavirus* SAL\_R1S on a Carbon Nanotube Platform for Efficient Detection of Typhoid Pathogen; *Sensors and Actuators Reports.*DOI: <https://doi.org/10.1016/j.snr.2024.100238> (**IF: 6.5**).
6. Al-Emran HM, Rahman, F., Laxmi, S., Das, PK., Provakar, M., Yesmin, S., Pipasha, S., Toukir, A., Rasel, P., Hasan, MS., Lal, S., Rahman, MS., Hossain, A., Mahmudur, R., Kibria, OI., Tanvir, IM., Shireen, N., Selina, A., Alam, ASMR., Rahman, MM., Jahid, IJ., **Hossain,MA**. (2024) Emergence of SARS-CoV-2 variants are induced by coinfections with Dengue*; Bioinformatics and Biology Insights*. **18**: 1-12; <https://doi.org/10.1177/11779322241272399> (**IF:3.7**).
7. Akter, S.; Rahman, M.S.; Islam, M.R.; Akther, Anjume, H.; Marjia, M.; Rahman, M.M.; **Hossain, MA.,** Sultana, M. (2024) Development of recombinant proteins for vaccine candidates against serotypes 0 and A of foot-and-mouth disease virus in Bangladesh. *Access Microbiology*.  [**https://doi.org/10.1099/acmi.0.000713.v1**](https://doi.org/10.1099/acmi.0.000713.v1) ( **IF: 3.6**).
8. Hasan, MS., Rahman, MSR., Das, PK., Alam, ASMR., Islam, OK., Al-Emran, HM., **Hossain, MA**, Jahid, IK. Alternative genome sequencing approaches of SARS-CoV-2 using Ion Ampliseq technology. *Methods X*, <https://doi.org/10.1016/j.mex.2024.102646> (**IF: 2.25**).
9. Haque, MN., et al. (2024) Unveiling Distinct Genetic Features in Multidrug-Resistant Escherichia coli Isolated from Mammary Tissue and Gut of Mastitis Induced Mice. <https://doi.org/10.1016/j.heliyon.2024.e26723> (I**F: 4.45**).
10. Siam, MHB., Sirajee, AS., Limon, MBH., **Hossain, MA**., Sultana, M. (2024) In silico identification of quorum sensing inhibitors against LasR protein in a clinical isolate of multidrug resistant *Pseudomonas aeruginosa* DMC-27b. *F1000Research* <https://doi.org/10.12688/f1000research.131728.1> (**IF:3.32**).
11. Anjume, H., Hossain, KA., Hossain, A., **Hossain, MA**., Sultana, M. (2024) Complete 1 Genome Characterization of Foot-and-Mouth Disease Virus My-466 Belonging to the Novel Lineage O/ME-SA/SA-2018. *HELIYON,* doi: <https://doi.org/10.1016/j.heliyon.2024.e26716>; (**IF: 4.45**).
12. Haque, MN., F. Diba, F., Istiaq, A., Siddique, MA., Mou, JT., **Hossain, MA**. Sultana, M. (2024) Novel Insights into the Co-Selection of Metal-Driven Antibiotic Resistance in Bacteria: A Study of Arsenic and Antibiotic Co-Exposure. *Arch. Microbiol.* **206**(4):194. doi: 10.1007/s00203-024-03873-0. (**IF:2.95**).

**Year 2023**

1. Hoque, MN., Golam Mahbub Faisal, GM., Das, ZC., Tahsin Islam Sakif, TI., Mamun Al Mahtab,MA., **Hossain, MA**., Tofazzal Islam (2023) Genomic Features and Pathophysiological Impact of a Multidrug-Resistant *Staphylococcus warneri* Variant in Murine Mastitis. *Microbes and Infection.* <https://doi.org/10.1016/j.micinf.2023.105285>; (**IF: 5.8).**
2. Hossain, KA., Anjume, H., Alam, KMM., Yeamin, A., Akter, S., **Hossain, MA.,** Sultana, M (2023)Emergence of a novel sublineage, MYMBD21 under SA-2018 lineage of Foot-and-Mouth Disease Virus serotype O in Bangladesh. *Sci. Rep*. **13(**1):9817. doi:10.1038/s41598-023-36830-w (**IF: 4.997**).
3. Diba, F., Hoque, MN., Rahman, MS., Haque, F., Rahman, MKJ., Moniruzzaman, M., Khan, M., **Hossain, MA,** Munawar Sultana, M. (2023) Metagenomic and culture-dependent analysis of groundwater microbiome unveil active microbial community and novel functional genes involved in arsenic mobilization and detoxification. DOI: [10.21203/rs.3.rs-2390178/v1](https://doi.org/10.21203/rs.3.rs-2390178/v1) (**accepted**; *BMC microbiology*; **IF: 4.465**).
4. Islam, OK., Islam, I., Saha, O., Sultana, M., Dirk Bockmuehl, D., **Hossain, MA** (2023) Genomic Variability Correlates with Biofilm Phenotypes in Multidrug Resistant Clinical Isolates of *Pseudomonas aeruginosa*. *Sci. Rep*. **13,** 7867. <https://doi.org/10.1038/s41598-023-35056-0>; (**IF: 4.997).**
5. Saha, O., Rabeya Basri., R., **Hossain, MA.,** Sultana, M. (2023) Characterization of multidrug and heavy metal resistance of carbapenemases producing *Klebsiella pneumoniae* from poultry samples in Bangladesh. *Vet. Med. Sci*. **9:**1685–1701; DOI:10.1002/vms3.1168 (**IF: 2.11**).
6. Rahman, MS., Hoque,MN., Chowdhury, SR., Siddique, MM., Islam,OK., Galib, SM., Md. Tanvir Islam, T., **Hossain, MA.** (2023) Temporal dynamics and fatality of SARS-CoV-2 variants in Bangladesh*. Health Sci. Rep.* DOI: 10.1002/hsr2.1209(**IF: 1.95**).
7. Dip, S.D., Sarkar, S.L., Setu, MAA., Das, PK., Pramanik, MHA., Rubayet Ul Alam, ASM., Al-Emran, HM., **Hossain, MA** and Jahid, IQ (2023) Evaluation of RT-PCR assays for detection of SARS-CoV-2 variants of concern. *Sci. Rep.* **13**, 2342. <https://doi.org/10.1038/s41598-023-28275-y> (I**F: 4.994**)

**Year 2022**

1. Asaduzzaman, M., Saha, O., Islam, A., Nasrin, N., Islam, S., Ahmed, M., Sultana, M., **Hossain MA** and Lehmann, C (2022) Emergence of multi-drug resistant *Salmonella* Typhi and *Salmonella* Paratyphi A in Bangladesh. *Life*, **12**, x. <https://doi.org/10.3390/xxxxx>; (**IF: 2.99)**.
2. Rahman, KMJ., Diba, F., Shuvo, MSR., Siddique, MA., **Hossain, MA** and Sultana, M. (2022) Metagenomic investigation of bacterial community of arsenic-prone area in the northwest region of Bangladesh. *Bangladesh J Microbiol*, **39**(1): 31-38.
3. Hoque, MN, Rahman, SM., Md. Murshed Hasan Sarkar, MMH., Ahashan Habib, MA., Akter, S., Banu, TA., Goswami, B., Jahan, I., **Hossain, MA.,** Khan, MS., Islam, T., (2022)

Transcriptome analysis in nasopharyngeal samples reveals increased abundance and diversity of opportunistic fungal pathogens in COVID-19 patients (2022) *PLOS ONE* (PONE-D-22-14092R1; **Accepted; IF: 3.752**).

1. Al‐Emran, HM., Rahman, MS., Hasan, MS., Alam, ASMRU, Islam, OK., Anwar, A., Jahid, IK., **Hossain, MA**. (2022) Microbiome analysis revealing microbial interactions and secondary bacterial infections in COVID-19 patients co-morbidly affected by type 2 diabetes. *J Med Virol*. doi: 10.1002/jmv.28234 (**IF: 20.69**).
2. Hoque, MN., Jahan. MI, **Hossain, MA,** Sultana, M., (2022) Genomic diversity and molecular epidemiology of a multidrug resistant *Pseudomonas aeruginosa* DMC30b isolated from hospitalized burn patient in Bangladesh. *J. Global. Antimicrobial Resist*. <https://doi.org/10.1016/j.jgar.2022.08.023> (**IF: 4.035**).
3. Das, PK., Mandal, A., Rahman, MM., Sarkar, SL., Jahid, IK., **Hossain, MA.,** Alam ASMRU and Roy, PC. (2022) *Salmonella enterica* Serovar Typhimurium and Enteritidis Isolated from Raw Shrimp in Bangladesh: An Investigation Based on Molecular Characteristics, Survival, Virulence, Antibiotic Resistance, and Biofilm Formation Attributes. *J. Food Quality*, **2022** ID 3420364; <https://doi.org/10.1155/2022/3420364>  **(IF: 3.2**).
4. Alam, ASMRU., Islam, OK., Hasan, MS., Al‐Emran, HM., Md. Jahid, IK., Crandall, IK., **Hossain, MA**. (2020) Dominant Clade-featured SARS-CoV-2 Co-occurring Mutations Reveals Plausible Epistasis: An *in silico* based Hypothetical Model. doi: *J Med Virol.* 2022 Mar;94(3):1035-1049.doi: 10.1002/jmv.27416. (**IF: 20.69**).

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1. Hoque, MN., Rahman, MS., Islam, T., Sultana, M., Crandall, KA., M. **Hossain, MA** (2022) Induction of mastitis by cow-to-mouse fecal and milk microbiota transplantation causes microbiome dysbiosis and genomic functional perturbation in mice. *Animal Microbiome*. **4**: 43; <https://doi.org/10.1186/s42523-022-00193-w> (**IF: 9.133**).
2. Sarkar, SL., Alam, ASMRU., Das, PK., Pramanik, MHA., Al-Emran, HM., Jahid, IK., **Hossain, MA.** (2021) Development and validation of cost-effective one-step multiplex RT-PCR assay for detecting the SARS-CoV-2 infection using SYBR Green melting curve analysis. *Sci Rep* **12**, 6501. <https://doi.org/10.1038/s41598-022-10413-7> (**IF: 4.994**)
3. Hasan, MM., Hoque, MN., Ahmed, F., Haque, MI., Sultana, M., and **Hossain, MA (2022)** Circulating phylotypes of White Spot Syndrome Virus in Bangladesh and their virulence**.** *Microorganisms*,**10(**1), 191;<https://doi.org/10.3390/microorganisms10010191> **(IF: 4.926).**

**Year 2021**

1. Reuben, RC., Sarkar, SL., Roy, PC, Anwar, A., **Hossain, MA** & Jahid, IK. (2021) Prebiotics, probiotics and postbiotics for sustainable poultry production. *World's Poult. Sci. J.* <https://doi.org/10.1080/00439339.2021.1960234> (**IF: 2.914).**
2. Hossain, MA., Hossain, KMA., Saunders, K., Uddin, Z., Walton, LM., Raiganggar, V., Sakel, M., Shafin, R., Hossain, MS., Kabir, FK., Farugui, R., Rana, S., Ahmed, S., Chakrovorty, SK., **Hossain, MA.,** Jahid, IK. (2021) Prevalence of Long COVID symptoms in Bangladesh: A Prospective Inception Cohort Study of COVID-19 survivors. *BMJ Global Health*, 2021;6:e006838. doi:10.1136/bmjgh-2021-006838 (**IF: 5.33**).
3. Akter, S.; Rahman, M.S.; Islam, M.R.; Akther, M.; Marjia, M.; Rahman, M.M.; Sultana, M.; **Hossain, M.A**. (2021) Immuno-Efficacy of Multi-Epitope Chimeric Peptides Against Foot and Mouth Disease Virus: Potential Vaccine Candidates for Newly Emerged Serotype O and A. *Preprints 2021, 2021090463* (doi: 10.20944/preprints202109.0463.v1).
4. Diba, F., Khan, MZH, Uddin, SZ., Shuvo, SR., Alam,ASMRU. **Hossain, MA**., Sultana, M. (2021) Bioaccumulation and Detoxification of Trivalent Arsenic by *Achromobacter xylosoxidans* BHW-15 and Electrochemical Detection of Its Transformation Efficiency. *Sci Rep.*,**11**, 21312. <https://doi.org/10.1038/s41598-021-00745-1> (**IF:4.379**).
5. Al-Emran, HM., Shazid, HM, Setu, MAA., Rahman, MS., Alam, ASMRU., Sarkar, SL., Islam, MT., Islam, MR., Rahman, MM., Islam, MA., Jahid, IK., **Hossain, MA**. (2021) Genomic analysis of SARS-CoV-2 variants of concern identified from the ChAdOx1 nCoV-19 immunized patients from Southwest part of Bangladesh. *J. Infection and Public Health*, <https://doi.org/10.1016/j.jiph.2021.12.002> ( **IF: 3.11**).
6. Shazid, HM., Tanvir, IM., 11. Alam, ASMRU., Sarkar, SL., Rahman, MS., Islam, OK., Setu, MD., Tanay, C., Al-Emran, HM., Jahid, IK., **Hossain, MA**. (2021) Initial reports of the SARS-CoV-2 Indian B.1.617. 2 lineage in Bangladeshi patients: risks of cross-border transmission from India. *Health Sci Rep*. **4**(3):e366. doi: 10.1002/hsr2.366. (**IF: 1.96**).
7. Saha, O., Islam, MR., Rahman, MS., Hoque, MN., **Hossain, MA.,** and Sultama, M. (2021) First report from Bangladesh on genetic diversity of multidrug-resistant Pasteurella multocida type B:2 in fowl cholera. *Vet. World*. DOI: 10.14202/vetworld.2021.2527-2542 (**IF: 2.11**).
8. Sultana, KF., Saha, O., Hoque, NM., Sultana, M., and **Hossain, MA** (2021) Multilocus sequence typing of multidrug resistant *Salmonella* strains circulating in poultry farms of Bangladesh. *Brazilian J. Microbiol*. 5**2**, 2385–2399. <https://doi.org/10.1007/s42770-021-00577-1> (**IF: 2.476**).
9. Hoque, MN., Rahman, MS., Ahmed, R., Hossain, MS., Islam, MS., Islam, T., **Hossain, MA.,** Siddiki, AMAMZ. (2021) Diversity and genomic determinants of the microbiomes associated with COVID-19 and non-COVID respiratory diseases. doi: <https://doi.org/10.1101/2020.10.19.345702> ; *Gene report* (Accepted, **IF: 3.68)**.
10. Siam Md.HB, Imran A, Limon Md.BH, Zahid MH, Hossain Md.A, Siddique MA, Sultana M, **Hossain MA**. (2021) Antibiotic Abuse: A Cross-Sectional Study on Knowledge, Attitude, and Behavior Among the University Students in Dhaka, Bangladesh. *Electron J Gen Med*. 2021;18(1):emXXX. <https://doi.org/10.29333/ejgm/xxxx> (**IF: 2.222**).
11. Hoque, MN., Akter, S., Mishu, ID., Islam, MR., Rahman, MS., Akhter, M., Islam, I., Hasan, MM., Rahman, MM., Sultana, M., Islam, T., **Hossain, MA.** (2021) Microbial co-infections in COVID-19: associated microbiota and underlying mechanisms of pathogenesis. *Microbial Pathogenesis.***156**, 104941 <https://doi.org/10.1016/j.micpath.2021.104941> (**IF: 3.738**).
12. Hoque, MN., Sultana, M., **Hossain, MA** (2021) Dynamic changes in microbiome composition and genomic functional potentials in bovine mastitis. *J. Data Mining Genomics Proteomics*.12(1): 232 (Mini Review).
13. Nigar, S., Shah, SMT., Setu, MAA., Dip, SD., Ibnat, H., Islam, MT., Akter, S., Jahid., IK., **Hossain, MA**. (2021) Relative expression of pro-inflammatory molecules in COVID-19 patients manifested disease severities*. J. Med. Virol.;* **93**: 5805-5815<http://dx.doi.org/10.1002/jmv.27112> (**IF: 20.69**).
14. Akter, S., Roy, PC., Ferdaus, A., Ibnat, H., Alam, ASMR, Nigar, S., Jahid, IK., **Hossain, MA** (2021) Prevalence and stability of SARS CoV-2RNA on Bangladeshi banknotes. *Sci. Total Environ.*, <https://doi.org/10.1016/j.scitotenv.2021.146133> (**IF: 10.756**).
15. Islam, MT., Alam, ASMRU., Sakib, N., Hasan, MS., Chakrovart, T., Tawyabur, M., Islam, OK., Al-Emran, HM., Jahid, IK., **Hossain, MA**. (2021) A Rapid and Cost-Effective Multiplex ARMS-PCR Method for the Circulating SARS-CoV-2 Phylogenetic Clades. *J. Med. Virol*.; **93**(5):2962-2970. doi: 10.1002/jmv.26818. (**IF: 12.8**).
16. Saha, O., Rakhi, N. N., Hoque, M. N., Sultana, M., **Hossain, MA**. (2021). Genome-wide Genetic Marker Analysis and Genotyping of Escherichia fergusonii strain OTSVEF–60. *Brazilian J. Microbiol*.; doi.org/10.1007/s42770-021-00441-2 (**IF: 2.719)**

**Year 2020**

1. Saha, O.,Rakhi, N.N.,Istiaq, A., Islam, I., Sultana. M., **Hossain, A.M**., Rahman, M.,M. (2020). Evaluation of Commercial Disinfectants against *Staphylococcus lentus* and Micrococcus spp. of Poultry Origin. *Vet. Med. Int.* Article ID 8811540 | <https://doi.org/10.1155/2020/8811540> (**IF:1.08**)
2. Rahman, MS., Hoque, MN., Islam , MR., Islam , I., Mishu, ID., Rahaman, MM., Sultana , M., **Hossain, MA**. (2020) Mutational Insights into the Envelope Protein of SARS-CoV-2. *Gene report* <https://doi.org/10.1016/j.genrep.2020.100997> (**IF: 3.68**).
3. Saha, O., Islam, MR., Rahman, MS., Hoque, MN., **Hossain, MA.,** Sultana, M. (2020) Genome-wide diversity and differentiation of two novel multidrug-resistant populations of *Pasteurella multocida* type B:2 from fowl cholera. <https://doi.org/10.1101/2020.08.24.262618>
4. Hoque, MN., Istiaq, A., Rahman, MS., Rafiul Islam, MR., Anwar, A., Siddiki, AMAMZ., Sultana, M., Crandall, KA., **Hossain, MA** (2020) Microbiome Dynamics of Bovine Mastitis Progression and Genomic Determinants. *Genomics* **112**(6): 5188-5203, <https://doi.org/10.1016/j.ygeno.2020.09.039> (**IF: 6.2**).
5. Rahman, MS., M. Islam, MR., Alam, ASMRU., Islam, I., Hoque, MN., Akter, S., Rahaman, MM., Sultana, M., **Hossain, MA** (2020) Evolutionary dynamics of SARS-CoV-2 nucleocapsid protein and its consequences. *J. Med. Virol.* DOI:10.1002/jmv.26626. (**IF: 20.21**)
6. Mishu, DI., Akter, S., Alam, ASMR., **Hossain, MA**., Sultana, M. (2020) In Silico Evolutionary Divergence Analysis Suggests the Potentiality of Capsid Protein VP2 in Serotype Independent Foot-and-Mouth Disease Virus Detection. ***Frontiers in Veterinary Science****,* Manuscript ID: 554288 (**IF: 2.45**)
7. Islam, OK., Al-Emran, HM., Hasan, MS., Anwar, A., Jahid, MIK., Hossain, MA (2020) Emergence of European and North American mutant variants of SARS-CoV-2 in Southeast Asia. *Transboundary Emerging Disease* (**TBED**), DOI: 10.1111/tbed.13748 . (**IF: 5.05**)
8. Saha, O., Hoque, MN., Islam, OK., Rahman, MM., Sultana, M., **Hossain, MA** (2020) Multidrug-Resistant Avian Pathogenic Escherichia coli Strains and Association of Their Virulence Genes in Bangladesh. *Microorganisms***. 8:** 1135; doi:10.3390/microorganisms8081135. (**IF: 4.152**)
9. Islam, MR., Hoque, MN., Rahman, SM., Puspo , JA., Akhter , M., Akter, S., Alam, ASMRU, , Sultana, M., Crandall, KA., **Hossain, MA**. (2020) Genome Wide Analysis of Severe Acute Respiratory Syndrome Coronavirus-2 Implicates World-Wide Circulatory Virus Strains Heterogeneity. www.nature.com/articles/s41598-020-70812-6 (Scientific reports, Sci.rep.) (**IF: 4.011**)
10. Rahman, SM., Hoque, MN., Islam, MR., Akter, S., Siddique, MA., Saha,O., Rahaman, MM., Sultana, S., **Hossain, MA.** (2020) Epitope-based chimeric peptide vaccine design against S, M and E proteins of SARS-CoV-2 etiologic agent of global pandemic COVID-19: an in silico approach. *PeerJ* 8:e9572 <https://doi.org/10.7717/peerj.9572> (**IF:2.38**)
11. Rahman,MS. M. Islam, RI, Hoque,NM, Alam, ASMRU, Akther. M, Puspo, A, Salma, A, Anwar, A, Sultana, M, **Hossain, MA** (2020) Comprehensive annotations of the mutational spectra of SARS-CoV-2 spike protein: a fast and accurate pipeline. DOI**:**10.1111/tbed.13834**; (IF: 5.05**).
12. Islam, MR., Rahman, MS., Al-Amin, M, Alam, ASMRU., Siddique, MA., Sultana, M. **Hossaina, MA** (2020) Evidence of Combined Effect of Amino Acid Substitutions within G-H and B-C Loops of VP1 Conferring Serological Heterogeneity in Foot-and-Mouth Disease Virus Serotype A. *TBED*, DOI:10.1111@tbed.13687.pdf. (**IF: 5.05**)
13. Rubayet, ASMRU, Islam, MR, Rahman, MS, Islam, OK, **Hossain, MA** (2020) Understanding the possible origin and genotyping of first Bangladeshi SARS-CoV-2 strain. ***J. Med. Virol***. 03 June 2020 <https://doi.org/10.1002/jmv.26115> (**IF: 20.69**)
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15. Al-Amin1, M, Rahmat Ali1, RM, Alam, ASMRU, Siddique, MA, Rahaman, MM, Sultana, M., **Hossain, MA**. (2020) Complete Genome Sequence of Foot-and-Mouth Disease Virus Serotype O Vaccine Strain from Bangladesh. *Archives of Virology*, doi.org/10.1007/s00705-020-04711-6. (**IF: 2.261**)
16. Hoque, M.N.; Chaudhury, A.; Akanda, M.A.M.; **Hossain, MA**.; Islam, M.T. (2020) Genomic Diversity and Evolution, Diagnosis, Prevention, and Therapeutics of the Pandemic COVID-19 Disease. *Peer J****.*** doi.10.7717/peerj.9689 (**IF: 2.38**).
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18. Haque, MIM, Rubayet, ASM., Alam, U, Aktera, N., Siddique, MAS, Sultana, **Hossain MA**., Hasan, M (2020) Molecular characterization of ‘tubifex worms’ based on 16S rRNA and cytochrome c oxidase subunit 1, *Aquaculture Reports*. 16(2020) 100292, <https://doi.org/10.1016/j.aqrep.2020.100292> (**IF: 2.12**).

**Year 2019**

1. Abir, RR., Marjia, M., Rakhi, NN., Saha, O., **Hossain, MA** and Rahaman, MM. (2019) In Vitro Comparative Analysis of Antibacterial Activity of DifferentFractions of *Corchor us capsularis* and *Corchorus olitorius* Leaves Extracts. *Bangladesh J Microbiol*. **36**, 69-73. DOI: <https://doi.org/10.3329/bjm.v36i2.45530>
2. Mahfuza Khan1,M, Seheli, Bari, MA, Sultana, N, Khan, SA, Sultana, KF and **Hossain, MA**. (2019) Potential of a fly gut microbiota incorporated gel-based larval diet for rearing Bactrocera dorsalis (Hendel) ***BMC Biotechnol****.* **19**:94. doi.org/10.1186/s12896-019-0580-0 (**IF: 2.77**).
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4. Sultana, M. and **Hossain, MA** (2022) Advancement in Durg Development and Vaccine Design, In Microbiology Education and Research in Bangladesh Prospects and Challenges, Department of Microbiology, University of Dhaka. P103~130.

**NCBI GenBank Publications: Total ~1000**

**Complete Genome of Foot-and-Mouth Disease Viruses**

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