

List of Publications (Harish Menghwar., PhD)

Paper published (*First author, equal contribution**, Corresponding author† & co-author§) in multidisciplinary journals (MD) with Impact factor (IF), and papers published in top 5% in Veterinary Science are highlighted in blue (all according to Web of Science and google scholar)

1. **Menghwar H*** Tatum F. M, Briggs R. E, Casas E, Kaplan B. S, Azadi P, Dassanayake P. R. Enhanced phagocytosis, and complement-mediated killing of *Mannheimia haemolytica* serotype 1 following in-frame CMP-sialic acid synthetase (neuA) gene deletion 2023. Accepted in *Microbiology Spectrum* **IF 9.02**
2. **Menghwar H****, Prysliak T, Perez-Casal J. Complement-mediated killing of *Mycoplasma bovis* does not play a role in the protection of animals against an experimental challenge Vaccine. 2023 Feb; 41-10, 1743-1752 DOI: 10.1016/j.vaccine.2023.0 **MD IF5.5**
3. **Menghwar H*†**, Guo A, Chen Y, Lysnnyansky I, Parker A M, Prysliak T, Perez-Casal J. A Core Genome Multilocus Sequence Typing (cgMLST) analysis of *Mycoplasma bovis* isolates. J.Vet Microbiol. 2022 Aug; <https://doi.org/10.1016/j.vetmic.2022.109532> Q1 Top 5% Veterinary Science IF3.03
4. **Menghwar H*†**, Prysliak T, Perez-Casal J. Phylogeny of *Mycoplasma bovis* isolates from cattle and bison based on multilocus sequence typing and multiple-locus variable-number tandem repeats. Vet Microbiol. 2021Jul; 258:109124. DOI: 10.1016/j.vetmic.2021.109124. **Q1 Top 5% Veterinary Science IF3.03**
5. **Menghwar H***, Prysliak T, Perez-Casal J. Complete Genome Sequences of Four Canadian *Mycoplasma bovis* Strains Isolated from Bison and Cattle. Microbiol Resour Announc. 2021 April 29;10(17). DOI: 10.1128/MRA.00136-21.
6. **Menghwar H*†.**, Prysliak T., Perez-Casal J., Comparative whole-genome analysis of *Mycoplasma bovis* isolated from Bison and cattle, CIMID June (2022), DOI.org/10.1016/j.cimid.2022.101835 MD IF2
7. Faisal M, Hassan M, Kumar A, Zubair M, Jamal M, **Menghwar H§**, Saad M, Kloczkowski A, Hematopoietic Stem and Progenitor Cells (HSPCs) and Hematopoietic Microenvironment: Molecular and Bioinformatic Studies of the Zebrafish Models, Int. J. Mol. Sci. 2022 23(13) 7285, doi.org/10.3390/ijms23137285 **MD Q1 IF5.7**
8. Rauf U, Suleman M, Abid A, Jamil H, **Menghwar H§**, Durrani AZ, Rashid MI, Akbar H. Humoral and Cell-Mediated Immune Response Validation in Calves after a Live Attenuated Vaccine of *Babesia bigemina*. Pathogens. 2020 Nov 11;9(11). DOI: 10.3390/pathogens9110936. **Q2 IF3.7**
9. Zubair M, Khan FA, **Menghwar H§**, Faisal M, Ashraf M, Rasheed MA, Marwan MA, Dawood A, Chen Y, Chen H, Guo A. Progresses on bacterial secretomes enlighten research on *Mycoplasma* secretome. Microb Pathog. 2020 Jul; 144:104160. DOI: 10.1016/j.micpath.2020.104160. **MD IF3.8**
10. Zubair M, Muhamed SA, Khan FA, Zhao G, **Menghwar H§**, Faisal M, Zhang H, Zhu X, Rasheed MA, Chen Y, Marwan MA, Chen H, Guo A. Identification of 60 secreted proteins for *Mycoplasma bovis* with secretome assay. Microb Pathog. 2020 Jun; 143:104135. DOI: 10.1016/j.micpath.2020.104135. **MD IF3.8**
11. Chen X, Huang J, Zhu H, Guo Y, Khan FA, **Menghwar H§**, Zhao G, Guo A. P27 (MBOV_RS03440) is a novel fibronectin-binding adhesin of *Mycoplasma bovis*. Int J Med Microbiol. 2018 Oct;308(7):848-857. DOI: 10.1016/j.ijmm.2018.07.006. **MD IF4.1**

12. Khan FA, Zhao G, Guo Y, Faisal M, Chao J, Chen X, He C, **Menghwar H§**, Dad R, Zubair M, Hu C, Chen Y, Chen H, Rui Z, Guo A. Proteomics identification and characterization of MbovP730 as a potential DIVA antigen of *Mycoplasma bovis*. *Oncotarget*. 2018 Jun 19;9(47):28322-28336. DOI: 10.18632/oncotarget.22265 **MD IF5.168**
13. **Menghwar H***, He C, Zhang H, Zhao G, Zhu X, Khan FA, Faisal M, Rasheed MA, Zubair M, Memon AM, Ridley A, Robertson ID, Chen Y, Guo A. Genotype distribution of Chinese *Mycoplasma bovis* isolates and their evolutionary relationship to strains from other countries. *Microb Pathog*. 2017 Oct; 111:108-117. DOI: 10.1016/j.micpath.2017.08.029. **MD IF3.8**
14. Khan FA, Rasheed MA, Faisal M, **Menghwar H§**, Zubair M, Sadique U, Chen H, Guo A. Proteomics analysis and its role in elucidation of functionally significant proteins in *Mycoplasma bovis*. *Microb Pathog*. 2017Oct; 111:50-59. DOI: 10.1016/j.micpath.2017.08.024. **MD IF3.8**
15. Rasheed MA, Qi J, Zhu X, Chenfei H, **Menghwar H§**, Khan FA, Zhao G, Zubair M, Hu C, Chen Y, Chen H, Guo A. Comparative Genomics of *Mycoplasma bovis* Strains Reveals That Decreased Virulence with Increasing Passages Might Correlate with Potential Virulence-Related Factors. *Front Cell Infect Microbiol*. 2017; 7:177. DOI: 10.3389/fcimb.2017.00177 **MD IF5.7**
16. Memon AM, Bhuyan AA, Chen F, Guo X, **Menghwar H§**, Zhu Y, Ku X, Chen S, Li Z, He Q. Development and Validation of Monoclonal Antibody-Based Antigen Capture ELISA for Detection of Group A Porcine Rotavirus. *Viral Immunol*. 2017 May;30(4):264-270. DOI: **IF2.2**
10.1089/vim.2016.0154.
17. Khan FA, Faisal M, Chao J, Liu K, Chen X, Zhao G, **Menghwar H§**, Zhang H, Zhu X, Rasheed MA, He C, Hu C, Chen Y, Baranowski E, Chen H, Guo A. Immunoproteomic identification of MbovP579, a promising diagnostic biomarker for serological detection of *Mycoplasma bovis* infection. *Oncotarget*. 2016 Jun 28;7(26):39376-39395. DOI: 10.18632/oncotarget.9799. **MD IF5.168**
18. Zhang H, Zhao G, Guo Y, **Menghwar H§**, Chen Y, Chen H, Guo A. *Mycoplasma bovis* MBOV_RS02825 Encodes a Secretory Nuclease Associated with Cytotoxicity. *Int J Mol Sci*. 2016 Apr 29;17(5). DOI: 10.3390/ijms17050628. **MD Q1 IF5.7**