

## List of Publications

1. **Muhammad Asim**, V. Sarath Babu, Zhendong Qin, Lijuan Zhao, Jianguo Su, Jun Li, Jiagang Tu, Hongyan Kou, Li Lin. Inhibition of Cyclophilin A on the replication of red spotted grouper nervous necrosis virus associates with multiple pro-inflammatory factors. *Fish Shellfish Immunol.* 92 (2019) 172–180 (IF: 3.2)
2. **Muhammad Asim**, Sanjie Jiang, Lizhu Yi, Wenjie Chen, Lindan Sun, Lijuan Zhao, Muhammad Nasir Khan Khattak, Jiagang Tu, Li Lin, Glutamine is required for red-spotted grouper nervous necrosis virus replication via replenishing the tricarboxylic acid cycle, *Virus Research*, 2017, 227, 245 (IF: 2.5)
3. **Muhammad Asim**, Jianguo Su, Lin Li. Cyclosporine A inhibits Red Spotted Grouper Nervous Necrosis Virus (RGNNV) replication at the late step of viral life cycle. (Manuscript).
4. Feifei Zheng, **Muhammad Asim**, Jiangfeng Lan, Lijuan Zhao, Shun Wei, Nan Chen, Xiaoling Liu, Yang Zhou & Li Lin, Molecular Cloning and Functional Characterization of Mannose Receptor in Zebrafish (*Danio rerio*) during Infection with *Aeromonas sobria*. *Int. J. Mol. Sci.* 2015, 16, 10997-11012; (IF: 3.2).
5. Wenwen Wang, **Muhammad Asim**, Lizhu Yi, Abeer M. Hegazy, Xianqin Hu, Yang Zhou, Taoshan Ai & Li Lin, Abortive Infection of Snakehead Fish Vesiculovirus in ZF4 Cells Was Associated with the RLRs Pathway Activation by Viral Replicative Intermediates. *Int. J. Mol. Sci.* 2015, 16, 6235-6250; (IF: 3.2).
6. Zhendong Qin, V. Sarath Babu, Quanyuan Wan, Meng Zhou, Risheng Liang, **Muhammad Asim**, Lijuan Zhao, Jun Li, Jiangfeng Lan, Li Lin Transcriptome analysis of Pacific white shrimp (*Litopenaeus vannamei*) challenged by *Vibrio parahaemolyticus* reveals unique immune-related genes.. *Fish Shellfish Immunol.* 77 (2018) 164–174 (IF: 3.2)
7. Wenjie Chen, Lizhu Yi, Shuangshuang Feng, Xiaodan Liu, **Muhammad Asim**, Yongcan Zhou, Jiangfeng Lan, Sanjie Jiang, Jiagang Tu, Li Lin, Transcriptomic profiles of striped snakehead fish cells (SSN-1) infected with red-spotted grouper nervous necrosis virus (RGNNV) with an emphasis on apoptosis pathway, *Fish Shellfish Immunol*, 2017, 60, 346 (IF: 3.0)
8. Xingxing Dong, Zhendong Qin, Xianqin Hu, Jiangfeng Lan, Gailing Yuan, **Muhammad Asim**, Yang Zhou, Taoshan Ai, Jie Mei & Li Lin, Molecular cloning and functional characterization of cyclophilin A in yellow catfish (*Pelteobagrus fulvidraco*). *Fish Shellfish Immunol.* 45 (2015) 422-430 (IF: 3.0)
9. Weidong Zhou, Yulei Zhang, Yi Wend, Wei Ji, Yang Zhou, Yachan Ji, Xiaoling Liu, Weimin Wang, **Muhammad Asim**, Xufang Liang, Taoshan Ai, Li Lin, Analysis of the transcriptomic profilings of Mandarin fish (*Siniperca chuatsi*) infected with

*Flavobacterium columnare* with an emphasis on immune responses. Fish Shellfish Immunol. (2015); 43(1):111-9. (IF: 3.0)

10. Guangxin Liu, Zeming Li, Peixiao Luo, Liyue Liu, Junfa Yuan, Yang Zhou, **Muhammad Asim**, Xueqin Liua & Li Lin, Low-cost, specific and sensitive detection of infectious spleen and kidney necrosis virus by loop-mediated isothermal amplification. J Aqua Cult. (2014), Vol 1, Issue 1: 003
11. Liyue Liu, Bibo Zhu, Shusheng Wu, Li Lin, Guangxin Liu, Yang Zhou, Weimin Wang, **Muhammad Asim**, Junfa Yuan, Lijuan Li, Min Wang, Yuanan Lu, Huanling Wang, Jianbo Cao & Xueqin Liu, Spring viraemia of carp virus induces autophagy for necessary viral replication. Cell Microbiol. 2015;17(4):595-605. (IF: 4.8)
12. Xiaoling Liu, Xiaocheng Tang, Li Wang, Jie Li, Hong Wang, Shun Wei, Rui Fang, Wei Ji, Gailing Yuan, Nan Chen, Zemao Gu, Xueqin Liu, Weimin Wang, **Muhammad Asim**, Yang Zhou & Li Lin, Molecular cloning and expression analysis of mannose receptor in blunt snout bream (*Megalobrama amblycephala*). Mol Biol Rep. (2014); 41(7): 4601-11 (IF: 1.9)
13. Li Wang, Lichun Liu, Yang Zhou, Xiaoheng Zhao, Mingjun Xi, Shun Wei, Rui Fang, Wei Ji, Nan Chen, Zemao Gu, Xueqin Liu, Weimin Wang, **Muhammad Asim**, Xiaoling Liu & Li Lin, Molecular cloning and expression analysis of mannose receptor C type 1 in grass carp (*Ctenopharyngodon idella*). Dev Comp Immunol. (2014); 43(1):54-8. (IF:3.2)
14. Liu XD, Huang JN, Weng SP, Hu XQ, Chen WJ, Qin ZD, Dong XX, Liu XL, Zhou Y, **Asim M**, Wang WM, He JG, Lin L, Infections of nervous necrosis virus in wild and cage-reared marine fish from South China Sea with unexpected wide host ranges. J Fish Dis. (2015) 38(6):533-40 (IF:2.0)
15. W J Xu Z D Qin H Shi N Jiang Y Zhou X L Liu J J Xie G S Wang W M Wang M Asim L B Zeng L Lin. Mass mortality associated with a viral-induced anaemia in cage-reared large yellow croaker, *Larimichthys crocea* (Richardson). J Fish Dis. (2015) 38(5):499-502 (IF:2.0)
16. Lichun Liu, Yang Zhou, Xiaoheng Zhao, Hong Wang, Li Wang, Gailing Yuan, **Muhammad Asim**, Weimin Wang, Lingbing Zeng, Xiaoling Liu, Li Lin, Oligochitosan stimulated phagocytic activity of macrophages from blunt snout bream (*Megalobrama amblycephala*) associated with respiratory burst coupled with nitric oxide production. Dev Comp Immunol. (2014) 47(1):17-24 (IF: 3.6)