

List of publications

Research Papers:

1. **Vinothkumar K**, Kumar GN and Bhardwaj AK. 2016. Characterization of *Vibrio fluvialis qnrVC5* gene in native and heterologous hosts: Synergy of *qnrVC5* with other determinants in conferring quinolone resistance. *Front Microbiol.* 7:146.
2. Rajpara N*, **Vinothkumar K***, Mohanty P, Singh AK, Singh R, Sinha R, Nag D, Koley H, Bhardwaj AK. 2013. Synergistic Effect of Various Virulence Factors Leading to High toxicity of Environmental *V. cholerae* Non-O1/ Non-O139 Isolates Lacking *ctx* Gene : Comparative Study with Clinical Strains. *PLoS One.* 8(9): e76200.
3. **Vinothkumar K**, Bhardwaj A K, Ramamurthy T, Niyogi S K. 2013. Triplex PCR assay for the rapid identification of 3 major *Vibrio* species, *Vibrio cholerae*, *Vibrio parahaemolyticus*, and *Vibrio fluvialis*. *Diagn Microbiol Infect Dis.* 76(4):526-8.
4. Singh R, Rajpara N, Tak J, Patel A, Mohanty P, **Vinothkumar K**, Chowdhury G, Ramamurthy T, Ghosh A and Bhardwaj A K. 2012. Clinical isolates of *Vibrio fluvialis* from Kolkata, India, obtained during 2006: Plasmids, *qnr* and mutation in gyrase A as mechanisms of multidrug resistance. *J Med Microbiol.* 61: 369-374

* contributed equally

Review article:

1. Bhardwaj A K, **Vinothkumar K**, Rajpara N. 2013. Bacterial quorum sensing inhibitors: attractive alternatives for control of infectious pathogens showing multiple drug resistance. *Recent Pat Antiinfect Drug Discov.* 8(1): 68-83.

Book Chapters:

1. Bhardwaj A K, **Vinothkumar K**, Rajpara N, Mohanty P and Kutar BMRNS (2014) Therapeutic Limitations due to Antibiotic Drug Resistance: Road to Alternate Therapies. *Frontiers in Anti-Infective Drug Discovery*, Vol.3, eds. A. Rahman and M. I. Choudhary (Sharjah: Bentham Science Publishers), 72-141.

2. Bhardwaj AK and **Vinothkumar K.** (2015) Evolution of MDRs. *Quorum Sensing Vs Quorum Quenching: A battle with no end in sight*, ed.V. C. Kalia (New Delhi: Springer), 9-22.

GenBank submissions: 94 sequences

Poster Presentations:

1. Rajpara N, **Vinothkumar K**, Mohanty P and Bhardwaj A K. Study on toxic potential of environmental *Vibrio cholerae* isolates from a village of Gujarat. National Symposium on Trends in Biological Sciences, SPU, Vallabh Vidhyanagar, 28-29 January, 2011.
2. **Vinothkumar K** and Bhardwaj A K. Role of QnrVC protein in conferring quinolone resistance to the multi-drug resistant clinical isolates of *Vibrio fluvialis*; International Conference on Plant Biotechnology, Molecular Medicine and Human Health, UDSC, New Delhi, 18-20 October, 2013.
3. Bhardwaj A K, Rajpara N, Mohanty P, Kutar BMRNS, **Vinothkumar K** and Shah A. Invincible Microbes and their Antibiotic resistance Mechanisms: Our wits versus their Genes; International conference on Host- Pathogen Interaction, Hyderabad. 12-15 July, 2014.