

Peer Reviewed Original Research Publications

1. Sireesha Divyakolu, Rosy Chikkala, Kamaraju Suguna Ratnakar, Venkataraman Sritharan. Hemolysins of *Staphylococcus aureus*—An Update on Their Biology, Role in Pathogenesis and as Targets for Anti-Virulence Therapy. **Advances in Infectious Diseases, 2019, 9, 80-104**
2. Kamaraju, Saipriya; Ch, Swathi; KS, Ratnakar; Sritharan, Venkataraman. Quorum sensing system in *Acinetobacter baumannii*: a potential target for new drug development. Accepted for Publication. **J. Applied Microbiology**.
3. Rosy Chikkala, Swathi Ch, Sireesha Divyakolu, K. S. Ratnakar, V. Sritharan. A Simple Sample Processing Protocol and Multiplex PCR for Direct Detection of MRSA from Uncultured Clinical Samples-A Pilot Study. **Advances in Infectious Diseases, 2019, 9, 25-38**
4. Rosy Chikkala, Karuna Deepika, R Iyer, KS Ratnakar, V. Sritharan Pantone Valentine Leukocidin (PVL) and thermonuclease (NUC) profile in clinical isolates of *S.aureus* and an assessment of impact of variations in nucleotide sequences of *fem A, B and X* genes. **Int. J of Med. and Health Res. 2018, 4(2):114-119**
5. Pramod Jagtap, Rohini Singh, Karuna Deepika, Venkataraman Sritharan, Shalini Gupta. A Flow through Assay for Rapid Bedside Stratification of Bloodstream Bacterial Infection in Critically Ill Patients: a Pilot Study. **J. Clin. Microbiol. September 2018, 56 (9), e00408-18**
6. Jagtap P, Sritharan V, Gupta S. Nanotheranostic approaches for management of bloodstream bacterial infections. **Nanomedicine: Nanotechnology, Biology and Medicine 2016, 13 329–341**
7. Raju M Swathi, V Jahnavi, Kamaraju Ratnakar S, Sritharan Venkataraman, Rajkumar Karthik, Natarajan Sumathi, Kumar Anil, Burgula Sandeepa. Continuous Evaluation of Changes in Serum Proteome from Early to Late Stages of Sepsis caused by *Klebsiella pneumoniae*. **Molecular Medicine Reports. 13(6), 4835-44, 2016**
8. Prasanta Kalita, Anshuman Dasgupta, Venkataraman Sritharan and Shalini Gupta. Nanoparticle-drug bioconjugate as dual functional affinity ligand for rapid point-of-care detection of endotoxin in water and serum. **Anal. Chem., 2015, 87 (21), 11007–11012.**
9. Swathi CH, Rosy Chikala, K S Ratnakar and V Sritharan. Structural, epidemiological and genetic overview of *Klebsiella pneumoniae* Carbapenamase (KPC). **Ind. J. Med. Res. 144, 21-31, 2016.**
10. Rosy Chikala, Lakshmi Manasa Chaturvedula, Sireesha Divyakolu, Kamaraju S.Ratnakar, Venkataraman Sritharan. Evaluating the Impact of variations in *femA,B and X* gene family on the expression of antimicrobial susceptibility/resistance in *S.aureus*. **Microcon (Jaipur, India) 15-19th October, 2014. HI013, pp 265.**

11. Swathi Ch, Mini Fernandes, K.Divya Jyoti, K.S.Ratnakar, V.Sritharan. Validation of Intrinsic blaOXA-51 and blaOXA-23 genetic markers for identification of *A.baumannii*. **Microcon (Jaipur, India) 15-19th October, 2014**. BP214, pp 444.
12. Prasanta Kalita, Ashwin Bholra, Nitish Goel, Venkataraman Sritharan and Shalini Gupta. Heterogeneous endotoxin detection bioassay using drug–nanoparticle bioconjugates: an optimization study. *Mol. Syst. Des. Eng.*, **2017, 2, 470-477**
13. Rosy Chikkala, Pallavi Saxena, K. S. Ratnakar, R. Iyer , V. Sritharan .Validation of a Multiplex PCR for the Identification of Methicillin Resistant S.aureus from Uncultured Clinical Specimens. **International Journal of Science and Research (IJSR). 7 (1), 1607-1702, 2018.**
14. Anulekha K.H, Chandra S. Sharma, V. Sritharan and Tata N. Rao. Fabrication and Surface Functionalization of Electrospun Polystyrene Submicron Fibres with Controllable Surface Roughness. **RSC Advances 4:12188-12197, 2014. DOI: 10.1039/C3RA44170**
15. Kanne Padmaja, Vemu Lakshmi, Mallempati Amaresh Rao, Ramesh C Mishra, Chikkala Rosy and **Venkataraman Sritharan**. Prosthetic Valve Endocarditis with aortic root abscess due to *Achromobacter xylosoxidans* subsp. *denitrificans* – A rare Case Report. **Int. J of Infect Control. 2013, v9:i1 doi: 10.3396/ijic.v9i1.009.13.**
16. Indira Chivukula, Usha Rani K, Ratnakar Kamaraju S, and **Venkataraman Sritharan**. Serum Procalcitonin as a prognostic biomarker in the management of acute mixed infection peritonitis - A Case Report. **Ind. J. Med. Sci. 365, 12R4.**
17. Indira Chivukula, Paul Marx K, Ratnakar Kamaraju S, Subbaiah G and **Venkataraman Sritharan**. Serum Procalcitonin and neutrophil toxic granules guided management of post-operative *K.pneumoniae* septic-shock in laminectomy-a case report. **Advances in Infectious Diseases, 2012, 2, 72-75**
18. Lakshmi Tanuja P, Rosy C, Vijayalakshmi K and **Venkataraman Sritharan**. Biomarkers in the Management of Preeclampsia - a review. **Ind. J. Med. Res. 138, 78-85, 2013.**
19. Rosy C, Nikhil George, Ranganathan Iyer, Ratnakar, K S and **Venkataraman Sritharan**. Reliability of species specific molecular markers for the identification of clinical isolates of *S.aureus*. **Advances in Infectious Diseases, 2012, 2, 82-88.**
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21. Pradeep Naik, **Venkataraman Sritharan**, Premsagar. B, Mallikarjuna. M.

- A single centre prospective study of Liver Function Tests in Post Liver Transplant patients. **Indian J Clin Biochem.** **28**, 38–45, 2013.
22. M. Shanmugavelu, **V. Sritharan** et al. Polymersae Chain Reaction and non-radioactive gene-probe based identification of mosquito larvicidal strains of *B.sphaericus* and monitoring of *B.sphaericus* 1593M released in the environment. **J. Biotechnology (Zurich).** **39**, 99-106, 1995.
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33. **V. Sritharan**, C. Ratledge and P. R. Wheeler. Uptake and metabolism of aspartic acid in cultured mouse peritoneal macrophages and intracellular *M. avium* and *M. leprae*. **Immunol & Infect Dis (UK)**, **2**, 97-102, 1992.
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