

Total Publications and Submissions

As on July 31, 2019	
Total Research Publications	67
As Corresponding or Senior author	36
As First author	20
As Co- author	11
Total Book Chapters	11
Bacterial Whole Genome/Metagenome Submissions	7
PRIDE Archive Submissions	3
Genbank Submissions	14
Conference Presentations	30
Invited Lectures	38

List of Publications

1. Karthika. S, Lekshmi N, Joby John, Megha P. R, Sanil George and **Sabu Thomas 2019**. Decoding the proteomic changes involved in the biofilm formation of *Enterococcus faecalis* SK460 to elucidate potential biofilm determinants. **BMC Microbiology**, **19**:146.DOI: 10.1186/s12866-019-1527-2
2. Lekshmi.N, Gupta S.S, Johnson J.B, T. Ramamurthy and **Sabu Thomas 2019**. Molecular adaptations and antibiotic resistance in *Vibrio cholerae*: a communal challenge. **Microbial Drug Resistance**, DOI:10.1089/mdr.2018.0354
3. Merin.P, Lekshmi.N, Vasanthakumary A. R, Iype Joseph, **Sabu Thomas 2019**. Genome sequence of a multidrug-resistant *Klebsiella pneumoniae* ST78 with high colistin resistance isolated from a patient in India. **Journal of Global Antimicrobial Resistance**, **17**: 187-188. DOI:10.1016/j.jgar.2019.04.008
4. Lekshmi.N, Iype Joseph, T. Ramamurthy, **Sabu Thomas, 2018**. Changing facades of *Vibrio cholerae*: An enigma in the epidemiology of cholera. **Indian Journal of Medical Research**, **147**: 133-141. DOI:10.4103/ijmr.IJMR_280_17
5. Lekshmi.N and **Sabu Thomas, 2018**. *Vibrio cholerae* O1 gaining reduced susceptibility to doxycycline, India. **Journal of Global Antimicrobial Resistance**, **12**:141-142
6. Karthika S, Joby John, Megha P.R, George.S and **Sabu Thomas, 2018**. Metataxonomic approach to decipher the polymicrobial burden in diabetic foot ulcer and its biofilm mode of infection. **International Wound J**. **15**: 473-481. DOI: 10.1111/iwj.12888(1-9).
7. Suryaetha K, Narendrakumar L, John J, Reghunathan D, Prasannakumar M, **Thomas S. 2018**. Genomic insights into biofilm-forming *Enterococcus faecalis* SK460 isolated from a chronic diabetic ulcer patient. **Genome Announc** **6**:e01463-17. <https://doi.org/10.1128/genomeA.01463-17>.
8. Narendrakumar L, Suryaetha K, Reghunathan D, Prasannakumar M, **Thomas S. 2017**. Insights into the draft genome sequence of a Haitian variant *Vibrio cholerae* strain isolated from a clinical setting in Kerala, South India. **Genome Announc** **5**:e00843-17. doi.org/10.1128/genomeA.00843-17.
9. Jose D, Lekshmi. N, Goel A K, Kumar RA, **Thomas S. 2017**. Development of a novel herbal combination to inhibit biofilm formation in toxigenic *Vibrio cholerae*. **Journal of Food protection**. **1933-1940**. doi:10.4315/0362-028X.JFP-17-091.
10. Balaji Muralikrishnan, Vipin Mohan Dan, J.S. Vinodh, Vellekkat Jamsheena, Ranjit Ramachandran, **Sabu Thomas**, Syed G. Dastager, K. Santhosh Kumar, Ravi Shankar

Lankalapalli and R Ajay Kumar.2017. Anti-microbial activity of chrysomycin A produced by *Streptomyces* sp. against *Mycobacterium tuberculosis*. **RSC Adv.**, 7, 36335- 36339.

11. Divya MP, Chowdhury G, Pazhani GP, Ramamurthy T, **Sabu Thomas. 2016.** Draft genome sequence of an environmental trh+*Vibrio parahaemolyticus* K23 strain isolated from Kerala, India. **Genome Announc** 4(2):e00282-16.doi:10.1128/genomeA.00282-16.
12. Karthika S., Reshma M. J., Wilson P. A., Anita Das R., Sarma U. S., Harikrishnan K &**Sabu Thomas.2016.** Characterization and Evaluation of Phenol Degrading *Bacillus* Spp. for Enhancing the Softness of Coir Fiber. **Journal of Natural Fibers**, 13:3,253-260.
13. Dharmaprakash A, Reghunathan D, Krishnankutty SC, Prasannakumar M, **Thomas S. 2016.** Insights into the genome sequences of two N-acyl homoserine lactone molecule-producing *Pseudomonas* spp. strains isolated from the Arctic. **Genome Announc**4(4):e00767-16.doi:10.1128/genomeA.00767-16.
14. Wilson Peter A and **Sabu Thomas. 2015.** Draft Genome Sequence of *Pseudomonas psychrophila* MTCC 12324 Isolated from the Arctic at 79°north. **Genome Announcement**.3(3):e00578-15
15. Divya M P, Deepa Mathew P, Jyothi R, Ramani Bai and **Sabu Thomas. 2015.** Mutations in Gyr A and Par C genes of *Shigella flexneri* 2a determining the fluoroquinolone resistance. **Indian Journal of Medical Research**.141(6):37-39
16. Dharmaprakash A, Thandavarayan R, Joseph I, **Thomas S. 2015.** Development of broad-spectrum antibiofilm drugs: strategies and challenges. **Future Microbiology**. 10(6):1035-48.
17. Karthika Suryalatha, Joby John & **Sabu Thomas. 2015.** *Wohlfahrtiimonas chitiniclastica* associated osteomyelitis: A rare case report. **Future Microbiology**. 10(7):1107-1109.
18. Wilson Peter A and **Sabu Thomas. 2015.** Cold Adaptations of Bacteria from Arctic. **Proceedings ofSVASH**,119-122
19. Shuvankar Ballav, Savita Kerkar, **Sabu Thomas** and Nimmy Augustine. **2015.** Halophilic and halotolerant actinomycetes from a marine saltern of Goa, India producing anti-bacterial metabolites. **Journal of Bioscience and Bioengineering**. 119(3):323-30.
20. Divya M P, Sivakumar K C, Sarada Devi K L, Remadevi S and **Sabu Thomas. 2014.** Novel multiple mutations in topoisomerase gene of Haitian variant *Vibrio cholerae* O1, **Antimicrobial Agents and Chemotherapy**.58(8):4982-3.
21. Dharmaprakash Akhilandeswarre, Mutt Eshita, Jaleel Abdul, Ramanathan Sowdhamini and **Sabu Thomas.2014.** Proteome profile of pandemic *Vibrio parahaemolyticus* SC192 strain during planktonic and biofilm condition. Biofouling: The **Journal of Bioadhesion and Biofilm Research**. 30(6),729-739.

22. G Vinoj, B Vaseehran, **Sabu Thomas**, A.J. Spiers and S. Shanthi, **2014**. Quorum quenching activity of the AHL lactonase from *Bacillus licheniformis* DAHB1 inhibits *Vibrio* biofilm formation in vitro and reduces shrimp intestinal colonization and mortality, *Marine Biotechnology*,16(6):707-15.
23. Karthika S and **Sabu Thomas**. **2013**. Biotechnology and Environmental Conservation – A Perspective. *Journal of Basic and Applied Biology*.8(1):26-31.
24. Wilson Peter A and **Sabu Thomas**. **2013**. Diversity and Bioprospecting potential of bacteria isolated from the Arctic: A preliminary study. *Mapana Journal of Science*. 12(4):19-28.
25. Sudha A, Nimmy Augustine and **Sabu Thomas**, **2013**. Emergence of multi-drug resistant bacteria in the Arctic, 79⁰N. *J. Cell and Life Sciences*,1(1):1-5
26. Diana E Waturangi, IgnasiusJoanito, Yogiara Yogi and **Sabu Thomas**, **2012**. Use of REP- and ERIC-PCR to reveal genetic heterogeneity of *Vibrio cholerae* from edible ice in Jakarta, Indonesia, *GutPathogens*,4:2
27. B.B. Lahiri, M.P. Divya, S. Bagavathiappan, **Sabu Thomas** and John Philip, **2012**. Detection of Pathogenic Gram Negative Bacteria using Infrared Thermography, *Infrared Physics & Technology*,55:485-490.
28. Vinothkannan Ravichandiran, Karthika S, Sabu Thomas and Adline Princy, 2012.Structure-basedvirtualscreeningforplant-derivedSdiA-selectiveligandsaspotentialantivirulent agentsagainsturopathogenic*Escherichiacoli*.*EurJMedChem*,48:200-5.
29. Praveen Kumar and **Sabu Thomas**, **2011**. Presence of qnrVC3 gene cassette in SXT and class 1 integrons of *Vibrio cholerae*, *International Journal of Antimicrobial Agents*, 37(3):280-1.
30. Praveen Kumar and **Sabu Thomas**, **2011**. Classical ctxB gene in *Vibrio cholerae* O1 and O56 serogroups from Kerala, *South India. J. Medical Microbiology*,60(4):559-60.
31. Nimmy Augustine, A.K. Goel, K.C. Sivakumar, R. Ajay Kumar, **Sabu Thomas**, **2013**. Resveratrol – A potential inhibitor of biofilm formation in *Vibrio cholerae*, *Phytomedicine*, 21(3)286-289.
32. Nimmy Augustine, Wilson Peter, Savita Kerkar and **SabuThomas**, **2012**. Arctic Actinomycetes as potential inhibitors of *Vibrio cholerae* biofilm. *Current Microbiology* 64(4):338-42.
33. Praveen Kumar, Anuja Thulaseedharan, Gautam Chowdhury, Thandavarayan Ramamurthy and **Sabu Thomas**, **2011**. Characterization of novel alleles of toxin co-regulated pilusA gene (tcpA) from environmental isolates of *Vibrio cholerae*, *Current Microbiology*, 62:758-763.
34. Nimmy Augustine, Praveen Kumar and **Sabu Thomas** **2010**. Inhibition of *Vibrio cholerae* biofilm by AiiA enzyme produced from *Bacillus* spp. *Archives of Microbiology*, 192 (12) 1019-1022.
35. Praveen Kumar, Wilson Peter A and **Sabu Thomas**, **2010**. Characterization of an SXT variant *Vibrio cholera* Ogawa from a patient in Trivandrum, India. *Fems MicrobiolLett*, 303:132-136.

36. Praveen Kumar, Wilson Peter A and **Sabu Thomas**, 2010. Rapid detection of virulence associated genes in environmental isolates of *Vibrio cholera* by multiplex PCR. **Current Microbiol**, 60: 199-202.
37. Wilson Peter A, Rojan P. John, Praveen Kumar and **Sabu Thomas**, 2009. Tannin Acyl Hydrolyase production by Citrobactersp. isolated from tannin rich environment, using *Tamarindusindica* seed power. **J. Appl. Sci. Environ. Manage**,13(4)95-97.
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39. Praveen Kumar and **Sabu Thomas**, 2009. Presence of *dhfr6* gene cassette in super integron of non-O1/non-O139 strain of *Vibrio cholerae*. **Antimicrobial Agents Chemother**, 53:4959–4960.
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41. Kumar P, Wilson Peter and **Sabu Thomas**, 2008. Detection of virulence genes in *Vibrio cholerae* isolated from aquatic environment in Kerala, Southern India. **ApplBiochemBiotechnol**, 151:256-62.
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43. **Sabu Thomas**, K. Harikrishnan and Sandhya C Nair. 2006. Molecular Analysis of Bacterial population in Coconut husk retting areas. **Indian Journal of Biotechnology**, 5: 559-561.
44. **Sabu Thomas**, Harikrishnan K, Manoj N and Sandhya C. Nair. 2004. Detection and Molecular characterization of waterborne pathogenic *E. coli* from different water sources using Multiplex PCR. **Indian Journal of Biotechnology**, 3:603-605.
45. Paul M. R, **Sabu Thomas**, Sandhya C and Das M R. 2004. Impact of physico-chemical parameters on the Microbial population and its nature in a major retting zone of Kerala. **International J. Environ. Studies**, 61 (5):571-578.
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52. **Sabu Thomas** and Abdul Azis P K. **1999**. Zooplankton community characteristics in a reservoir. *Poll. Res*, 18 (3):257-260.
53. **Sabu Thomas** and Abdul Azis P K. **1999**. Status of reservoir fisheries in Kerala and strategies for the development with special reference to Peppara reservoir, Kerala. *Ecol. Envt. Conser*. 5 (1):51-54.
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57. **Sabu Thomas**, **1998**. Kerala's Aquatic resources and its protection. *SwadeshiScience*, 8(5):280-283.
58. **Sabu Thomas** and Abdul Azis, P. K. **1998**. Plankton abundance and zonal differentiation: a case study. *Ind. J. Envt. Ecoplan*, 1 (1&2): 21 –25.
59. **Sabu Thomas**. **1997**. Limnology of a man-made reservoir on the western ghats, Kerala. *American Society of Limnology and Oceanography Bulletin* (ASLO-USA) 6 (2).
60. **Sabu Thomas** and Abdul Azis, P. K. **1996**. Spatial and temporal distribution of nutrients in a man-made ecosystem in the western ghats, S. India. *Poll. Res*, 15 (1): 5–10.
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62. **Sabu Thomas** and Abdul Azis, P. K. **1996**. Sediment characteristics of a man-made ecosystem in southern Kerala, *J. Zool. Soc. Kerala*, 6&7:73-79
63. **Sabu Thomas** and Abdul Azis, P. K. **1996**. Seasonal variations of phytoplankton abundance. *Proceedings of 8th Kerala Science Congress*, Kochi, 78-79
64. Arjunan. N.K, Harikrishnan K, Shyam Kumar S and **Sabu Thomas**. **1996**. Environmental attitude among rural and urban students. *International Educator*, 11 (1 &2):20 – 22.
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Book Chapters

1. Narendrakumar L., Das B., Paramasivan B., Rasu J., **Thomas S. (2018)** Quorum Quenching and Biofilm Inhibition: Alternative Imminent Strategies to Control the Disease Cholera. In: Kalia V. (eds) **Biotechnological Applications of Quorum Sensing Inhibitors**. pp.63-85 Springer, Singapore https://doi.org/10.1007/978-981-10-9026-4_4
2. Das B., Paramasivan B., Rasu J., Narendrakumar L., **Thomas S. (2018)** Strategies Behind Biosensors for Food and Waterborne Pathogens. In: Kalia V. (eds) **Quorum Sensing and its Biotechnological Applications**. Springer, Singapore (In Press)
3. Sudha A, Wilson P.A and **Sabu Thomas, 2012**. Psychrophiles - A plethora of perspectives. **Bacterial Biochemistry and Biotechnology**. Lambert Academic Publishing. pp.158-167.
4. S. Princy Adline, Srinath N, Sajal Shrivastava and **Sabu Thomas, 2010**. *Vibrio cholerae* biofilm and virulence gene expression: A perception towards quorum sensing. In **Cholera: Symptoms, Diagnosis and Treatment**. (Eds. Evelyn L. Melbourne) Nova Science Publishers Inc. Hauppauge, NY, USA. pp.123-133.
5. S. Princy Adline, R. Vinothkannan, Rekha Arya and **Sabu Thomas, 2010**. Quorum Quenching: Imminent Targets in *Vibrio cholerae*. In **Cholera: Symptoms, Diagnosis and Treatment**. (Eds. Evelyn L. Melbourne) Nova Science Publishers Inc. Hauppauge, NY, USA. pp.109-122.
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7. Jagadeeshan S, P. Kumar, WP Abraham and **Sabu Thomas, 2009**. The emerging multiple antibiotic resistance pattern in the environmental isolates of *Vibrio cholerae* isolated from S. Kerala. **Antimicrobial Resistance: from Emerging Threat to Reality** (Eds. Rubina Lawrence, Anil K Gulati, Gerrard Abraham). Narosa Publishing House Pvt. Ltd. New Delhi; pp.241-245.
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9. **Sabu Thomas, Sandhya C Nair and R. Paul Murugan, 2002**. A study on the water quality and microbiology profile of Sasthamkotta freshwater lake in Kollam district, Kerala. **Ecology and Conservation of Lakes, Reservoirs and Rivers**, (Ed. Dr. Arvind Kumar) pp.299-302.
10. **Sabu Thomas, 2002**. Reservoirs of Kerala-Their unique potential and problems. **Ecology and Conservation of Lakes, Reservoirs and Rivers**, (Ed. Dr. Arvind Kumar) pp.620- 629.
11. **Sabu Thomas, 2002**. Benthic composition, Abundance and Zonal differentiation in the Peppara reservoir, S. Kerala, India,. **Ecology and Conservation of Lakes, Reservoirs and Rivers**, (Ed. Dr. Arvind Kumar) pp.630-635.