

**Total Publications and Submissions
As on May 31st, 2020**

Total Research Publications	71
As Corresponding or Senior author	38
As First author	20
As Co- author	13
Books Edited	02
Book Chapters	13
Bacterial Whole Genome/Metagenome Submissions	07
PRIDE Archive Submissions	03
Genbank Submissions	28
Conference Presentations	31
Invited Lectures	40

List of Publications

1. Divya M.P., Ramamurthy, T. & **Sabu Thomas**. 2020. Genetic and virulence characterisation of *Vibrio parahaemolyticus* isolated from Indian coast. **BMC Microbiology** 20, 62. <https://doi.org/10.1186/s12866-020-01746-2>
2. Abraham, W.P, Raghunandanan, S, Gopinath, V. Karthika S, **Sabu Thomas** 2020. Deciphering the Cold Adaptive Mechanisms in *Pseudomonas psychrophila* MTCC12324 Isolated from the Arctic at 79° N. **Current Microbiol.** <https://doi.org/10.1007/s00284-020-02006-2>
3. Lijitha S.G, Resmi Rajan, Karthika S, **Sabu Thomas** 2020. Bacteriological profile of multidrug resistant Gram negative bacilli causing urinary tract infection in paediatric age group in a tertiary care centre. **Journal of Medical Science and Clinical Research**, 08 (03):498-504. <https://dx.doi.org/10.18535/jmscr/v8i3.87>
4. Shyla, G., Vineethkumar, T.V., Arun, V. Divya M.P., **Sabu Thomas** and Sanil George **2019**. Functional characterization of two novel peptides and their analogs identified from the skin secretion of *Indosylvirana aurantiaca*, an endemic frog species of Western Ghats, India. **Chemoecology** 29, 179–187. <https://doi.org/10.1007/s00049-019-00287-z>
5. 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
6. 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

7. 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
8. Lekshmi.N, Iype Joseph, T. Ramamurthy, **Sabu Thomas**, 2018.Changing facades of *Vibrio cholera*: An enigma in the epidemiology of cholera. *Indian Journal of Medical Research*, 147: 133-141. DOI:10.4103/ijmr.IJMR_280_17
9. Lekshmi.N and **Sabu Thomas**, 2018. *Vibrio cholerae* O1 gaining reduced susceptibility to doxycycline, India. *Journal of Global Antimicrobial Resistance*,12:141-142
10. 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).
11. Karthika S, 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>.
12. Narendrakumar L, Suryaleta 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.

18. 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
19. Divya M P, Deepa Mathew P, Jyothi R, RamaniBai 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
20. Dharmaprakash A, Thandavarayan R, Joseph I, **Thomas S**. 2015. Development of broad spectrum antibiofilm drugs: strategies and challenges. **Future Microbiology**. 10(6):1035-48.
21. Karthika Suryalatha, Joby John & **Sabu Thomas**. 2015. *Wohlfahrtiimonas chitiniclastica* associated osteomyelitis: A rare case report. **Future Microbiology**. 10(7):1107-1109.
22. Wilson Peter A and **Sabu Thomas**. 2015. Cold Adaptations of Bacteria from Arctic. **Proceedings of SVASH**,119-122
23. Shuvankar Ballav, Savita Kerkar, **Sabu Thomas** and Nimmy Augustine. 2015. Halophilic and halotolerant actinomycetes from a marine saltern of Goa, India producing antibacterial metabolites. **Journal of Bioscience and Bioengineering**. 119(3):323-30.
24. 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.
25. 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.
26. 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.
27. Karthika S and **Sabu Thomas**. 2013. Biotechnology and Environmental Conservation – A Perspective. **Journal of Basic and Applied Biology**.8(1):26-31.
28. 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.
29. 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

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31. 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.
32. Vinothkannan Ravichandiran, Karthika S, Sabu Thomas and Adline Princy, 2012. Structure based virtual screening for plant- derived SdiA-selective ligands as potential antivirulent agents against uropathogenic *Escherichiacoli*. **Eur J Med Chem**,48:200-5.
33. 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.
34. 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.
35. 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.
36. Nimmy Augustine, Wilson Peter, Savita Kerkar and **SabuThomas**, 2012. Arctic Actinomycetes as potential inhibitors of *Vibrio cholerae* biofilm. **Current Microbiology** 64(4):338-42.
37. Praveen Kumar, Anuja Thulaseedharan, Gautam Chowdhury, Thandavarayan Ramamurthy and **Sabu Thomas**, 2011. Characterization of novel alleles of toxin coregulated pilusA gene (tcpA) from environmental isolates of *Vibrio cholerae*, **Current Microbiology**, 62:758-763.
38. Nimmy Augustine, Praveen Kumar and **Sabu Thomas**. 2010. Inhibition of *Vibrio cholera* biofilm by AiiA enzyme produced from *Bacillus* spp. **Archives of Microbiology**, 192 (12) 1019-1022.
39. Praveen Kumar, Wilson Peter A and **Sabu Thomas**, 2010. Characterization of an SXT variant *Vibrio cholera* Ogawa from a patient in Trivandrum, India. **Fems Microbiol Lett**, 303:132-136.
40. 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.
41. Wilson Peter A, Rojan P. John, Praveen Kumar and **Sabu Thomas**, 2009. Tannin Acyl Hydrolyase production by *Citrobacter* sp. isolated from tannin rich environment, using *Tamarindusindica* seed power. **J. Appl. Sci. Environ. Manage**,13(4)95-97.

42. Sankar Jagadeeshan, Praveen Kumar, Wilson Peter A and **Sabu Thomas**, 2009. Multiresistant Environmental *Vibrio cholerae* non-O1/non-O139 Strains: Resistance pattern and Virulence factors, *Journal of Basic Microbiology*, 49,538-544.
43. Praveen Kumar and **Sabu Thomas**, 2009. Presence of *dfr6* gene cassette in super integron of non-O1/non-O139 strain of *Vibrio cholerae*. *Antimicrobial Agents Chemother*, 53:4959–4960.
44. Runa A, Krishnan KP, **Sabu Thomas**, Wilson Peter. A and M. Thamban, 2009. Phenotypic and molecular identification of *Cellulosimicrobium cellulans* isolated from Antarctic snow, *Antonie van Leeuwenhoek*, 96:627–634.
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54. **Sabu Thomas** and Abdul Azis P K. 2000. Physico-chemical limnology of a tropical reservoir in Kerala. *Ecol. Envt. Conser*, 6 (2): 159-162.

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56. **Sabu Thomas** and Abdul Azis P K. 1999. Zooplankton community characteristics in a reservoir. *Poll. Res*, 18 (3):257-260.
57. **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.
58. Harikrishnan K, **Sabu Thomas**, Sanil George, Paulmurugan R, Sathish M and Das M R. 1999. A study on the ecology and distribution of phytoplankton in the Kuttanad wetland ecosystem, Kerala. *Poll. Res*, 18 (3):273-281.
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61. **Sabu Thomas**,1998. Kerala's Aquatic resources and its protection. *Swadeshi Science*, 8(5):280-283.
62. **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.
63. **SabuThomas**.1997. Limnology o faman-de reservoir on the western ghats,Kerala.*American Society of Limnology and Oceanography Bulletin* (ASLO-USA) 6 (2).
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66. **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
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68. 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. Merin Paul, Vidhyalakshmi M, Lekshmi N, Iype Joseph, **Sabu Thomas**. 2020. Status Quo of Omics Technologies in Analyzing the Genetic Mediators of Anti-Microbial Resistance at Sub-MIC Concentrations. Sabu Thomas et al (eds.) **Antimicrobial Resistance: Global Challenges and Future Interventions**. Springer Nature Singapore Pte Ltd. (In press)
2. Karthika S, Lekshmi N, Akhilandeswarre D, Devika Das J, Aparna Shankar, Iype Joseph, **Sabu Thomas**. 2020. Evolving state-of-the-art technologies in Biofilm research: from static to real-time models. Sabu Thomas et al.(eds) '**Emerging Concepts in Bacterial Biofilms: Molecular Mechanisms and Control Strategies**'. pp 319-369. Cambridge Scholars Publisher, UK
3. Narendrakumar L., Das B., Paramasivan B., Rasu J., **Thomas S**. 2018. Quorum Quenching and Biofilm Inhibition: Alternative Imminent Strategies to Control the Disease Cholera. 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
4. Das B., Paramasivan B., Rasu J., Narendrakumar L., **Thomas S**. 2018. Strategies Behind Biosensors for Food and Waterborne Pathogens. Kalia V. (eds) **Quorum Sensing and its Biotechnological Applications**. pp.107-141. Springer, Singapore.
5. Sudha A, Wilson P.A and **Sabu Thomas**, 2012. Psychrophiles - A plethora of perspectives. **Bacterial Biochemistry and Biotechnology**. Lambert Academic Publishing. pp.158-167.
6. S. Princy Adline, Srinath N, Sajal Shrivastava and **Sabu Thomas**, 2010. *Vibrio cholera* 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.
7. S. Princy Adline, R. Vinothkannan, Rekha Arya and **Sabu Thomas**, 2010. Quorum Quenching: Imminent Targets in *Vibrio cholerae*. **Cholera: Symptoms, Diagnosis and Treatment**. (Eds. Evelyn L. Melbourne) Nova Science Publishers Inc. Hauppauge, NY, USA. pp.109-122.

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9. Jagadeeshan S, P. Kumar, WP Abraham and **Sabu Thomas**, 2009. The emerging multiple antibiotic resistance pattern in the environmental isolates of *Vibrio cholera* 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.
10. **Sabu Thomas**, Praveen PP, Wilson P.A, Bibin T and Singh D.V, 2007. Molecular monitoring of *Vibrio cholerae* in the aquatic environments of Kerala. **Environment & Human Health**, Rajiv Gandhi Chair Pub.2(Eds.Dr.P.Natarajan,Dr.C.S.Paulose, Dr.I.S. Bright Singh and Ms.PillaiRaji K), pp. 67-77.
11. **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.
12. **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.
13. **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
