

Total Publications as on October 31st, 2020

List of Publications

1. Megha PR, Karthika S, Aparna S, Akhila VS, George S and **Sabu Thomas**, 2020. Insights into peptide mediated Antibiofilm treatment in Chronic wound; A bench to bedside approach, **Current Protein & Peptide Science** (in press).
2. Nandita S, Lekshmi N, Suhas U, Divya MV, **Sabu Thomas**, Anil Kumar
First Report of *Vibrio cholerae* O9, novel ST520, isolated from a child with bacteraemia-associated Sepsis, **Indian J Med Microbiol** 2020;38:489-91
3. Aparna S, Devika J. Megha P R, Merin P, Lekshmi N, Karthika S, Akhila, VS, Sudha B Nair and **Sabu Thomas**, 2020. Elucidation of health risks using metataxonomic and antibiotic resistance profiles of microbes in flood affected waterbodies, Kerala 2018, **J Flood Risk Management**. e12673. doi: 10.1111/jfr3.12673.
4. Lekshmi N, Sivakumar KC and **Sabu Thomas**, 2020. Adaptive laboratory evolution of *Vibrio cholerae* to doxycycline associated with spontaneous mutation, **International Journal of Antimicrobial Agents**, 56(2020)
<https://doi.org/10.1016/j.ijantimicag.2020.106097>.
5. Lekshmi N, Vishnu S. J, Sivakumar K. C, **Sabu Thomas**, 2020. Epidemiological and pathogenic characteristics of Haitian variant *V. cholerae* circulating in India over a decade (2000–2018), **Microbial Pathogenesis**, 149 (2020)
<https://doi.org/10.1016/j.micpath.2020.104538>.
6. Nisha A K, , Umerali ,Sabu Thomas and John B Johnson, 2020. In the Crosshairs: RNA Viruses OR Complement? **Frontiers in Immunology**, 11, 573583.
<https://doi.org/10.3389/fimmu.2020.573583>.
7. 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>
8. 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.** 77, 2345–2355. <https://doi.org/10.1007/s00284-020-02006-2>
9. 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>
10. Das DJ, Shankar A, Johnson JB, Thomas S. 2020. Critical insights into antibiotic resistance transferability in probiotic *Lactobacillus*. **Nutrition**. 69:110567. doi:

10.1016/j.nut.2019.110567. Epub 2019 Aug 13.

11. Lekshmi N, Mary T Sivakumar KC and **Sabu Thomas**,2019. Tryptanthrin,a potential biofilm inhibitor against toxigenic *Vibrio cholerae*, modulating the global quorum sensing regulator,LuxO, **Biofouling**, <https://doi.org/10.1080/08927014.2019.1696315>
12. 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>
13. 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
14. 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**, 25(7): 1012-1022. DOI:10.1089/mdr.2018.0354
15. 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
16. 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
17. Lekshmi.N and **Sabu Thomas**, 2018. *Vibrio cholerae* O1 gaining reduced susceptibility to doxycycline, India. **Journal of Global Antimicrobial Resistance**,12:141-142
18. 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).
19. 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>.
20. 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.

21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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
27. 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
28. Dharmaprakash A, Thandavarayan R, Joseph I, **Thomas S.** 2015. Development of broad spectrum antibiofilm drugs: strategies and challenges. **Future Microbiology.** 10(6):1035-48.
29. Karthika Suryalatha, Joby John & **Sabu Thomas.** 2015. *Wohlfahrtiimonas chitiniclastica* associated osteomyelitis: A rare case report. **Future Microbiology.** 10(7):1107-1109.
30. Wilson Peter A and **Sabu Thomas.** 2015. Cold Adaptations of Bacteria from Arctic. **Proceedings of SVASH**,119-122
31. 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.
32. 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.

33. 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.
34. 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.
35. Karthika S and **Sabu Thomas**. 2013. Biotechnology and Environmental Conservation – A Perspective. ***Journal of Basic and Applied Biology***.8(1):26-31.
36. 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.
37. 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
38. 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
39. 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.
40. 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.
41. 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.
42. 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.
43. 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.
44. Nimmy Augustine, Wilson Peter, Savita Kerkar and **SabuThomas**, 2012. Arctic Actinomycetes as potential inhibitors of *Vibrio cholerae* biofilm. ***Current Microbiology*** 64(4):338-42.

45. 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.
46. 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.
47. 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.
48. 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.
49. 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.
50. 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.
51. Praveen Kumar and **Sabu Thomas**, 2009. Presence of dfr6 gene cassette in super integrin of non-O1/non-O139 strain of *Vibrio cholerae*. **Antimicrobial Agents Chemother**, 53:4959–4960.
52. 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.
53. Kumar P, Wilson Peter and **Sabu Thomas**, 2008. Detection of virulence genes in *Vibrio cholerae* isolated from aquatic environment in Kerala, Southern India. **Appl Biochem Biotechnol**, 151:256-62.
54. **Sabu Thomas**, Dhanya R, Remani B and Singh D.V, 2007. Detection and molecular characterization of *Vibrio cholerae* O1 Inaba biotype El Tor strain in Kerala, S. India. **World J. Microbiology and Biotechnology**, 24:433-434.
55. **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.
56. **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.

57. 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.
58. **Sabu Thomas**, Harikrishnan K, Sanil George, Paulmurugan R and Das, M R. 2001. A study on the water quality of Kuttanad wetland ecosystem. *Poll. Res*, 20 (1):59-66.
59. Harikrishnan K, Sanil George, **Sabu Thomas**, Paulmurugan R and Das, M R. 2001. Distribution of HCH residues in Kuttanad wetland ecosystem. *Ecol. Envt. Conser*, 7 (1): 105-109.
60. **Sabu Thomas** and Paulmurugan R, 2000. Pollution and Infectious diseases. *Science India*, 3(6):39-42
61. **Sabu Thomas**, Sandhya C N and Paulmurugan R. 2000. Drinking water quality status in Kottaracara area, Kollam district, Kerala. *Ind. J. Envt. Ecoplan*, 3 (1): 143-145.
62. **Sabu Thomas** and Abdul Azis P K. 2000. Physico-chemical limnology of a tropical reservoir in Kerala. *Ecol. Envt. Conser*, 6 (2): 159-162.
63. **Sabu Thomas**, Sanil George, Harikrishnan K, Paulmurugan R, Sathish M and Das M R. 1999. Spatio-temporal distribution and ecology of benthos in the Kuttanad wetland ecosystem. *Poll. Res*, 18(3):246-253.
64. **Sabu Thomas** and Abdul Azis P K. 1999. Zooplankton community characteristics in a reservoir. *Poll. Res*, 18 (3):257-260.
65. **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.
66. 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.
67. Sanil George, Harikrishnan, K, **Sabu Thomas**, Paulmurugan, R. Sathish Mundayoor and Das, M.R. 1999. Distribution of heavy metals in the Kuttanad wetland ecosystem, Kerala. India. *International Journal of Ecology and Envt. Sci*, 25 (1): 91 –95.
68. **Sabu Thomas**. 1998. Need and importance of environmental education in school curriculum. *Ind. J. Envt. Ecoplan*, 1(1&2): 77–79.
69. **Sabu Thomas**, 1998. Kerala's Aquatic resources and its protection. *Swadeshi Science*, 8(5):280-283.
70. **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.

71. **Sabu Thomas**.1997. Limnology o faman-de reservoir on the western ghats,Kerala.**American Society of Limnology and Oceanography Bulletin** (ASLO-USA) 6 (2).
72. **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.
73. **Sabu Thomas** and AbdulAzis P.K,1996. Conservation of reservoir fisheries in Kerala. *Zoos'Print*, July 1996, 15-16
74. **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
75. **Sabu Thomas** and Abdul Azis, P. K. 1996. Seasonal variations of phytoplankton abundance. **Proceedings of 8th Kerala Science Congress**,Kochi,78-79
76. 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.
77. **Sabu Thomas** and Abdul Azis, P. K. 1995.A study on the primary production in Peppara reservoir. **Proceedings of 7th Kerala Science Congress**,Palakkad,76-77
78. Arjunan, N.K, Harikrishnan K, Shyam Kumar S and **Sabu Thomas**. 1995. Development and standardization of an environmental attitude scale on projective techniques.**J.EducoEcology**, 12: 1 – 5.
79. **Sabu Thomas** and Abdul Azis, P. K. 1993. Volumetric estimation of planktonic biomass in relation to certain limnological conditions of freshwater bodies, **J.Zool.Soc.Kerala**,3(2):42-44

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.
8. **Sabu Thomas**, S Jagadeeshan, P Kumar, Sathish Mundayoor and Yung Tse, 2010. Drinking Water Associated Pathology. **Hand Book of Environmental and Waste Management**, Volume 1 -Air and Water Pollution Control. (Eds. Yung-Tse Hung, Lawrence K. Wang, Nazih K. Shammass, USA). World Scientific Publishing Co. Pte. Ltd, Singapore.
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. Pillai Raji 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
