



**Basaveshwar Engineering College (Autonomous), Bagalkot**  
**DEPARTMENT OF BIOTECHNOLOGY**

**PUBLICATIONS**

1. Shilpa K Jigajinni and Bharati S Meti “Immobilization Optimization and characterization of immobilized lipase from *Lysinibacillus macroides* FS1 for biodiesel production”, International Journal of Current Microbiology and Applied Sciences, Vol 10(4), pp 232-245, (2021)
2. Pavan Kumar, Mahesh S Dashyal, Pushpa Doddaraju, Bharati S Meti & Manjunath Girigowda, “Differential gene responses in different varieties of pomegranate during the pathogenesis of *Xanthomonas axonopodis* pv. *punicae*”, 3 Biotech, Vol 11(4), pp 180, (2021)
3. Krishnmurthy Bhat, Bharati S Meti and K Chandrasekhar, “Planar inter digital capacity sensor for real time transesterification progress monitoring of Karanja (*Pongamia*) oil” Asian journal for convergence in technology, Vol 6 (3), pp 39-47, (2020)
4. Madhumala Y, Veena S Sorganvi and Nikhita H Ingalagi, “Chromium reduction using bacterial biofilms”, International Journal of Engineering Applied Sciences and Technology, Vol 5(5), pp 198-202, (2020)
5. Madhumala Y, Vijayalaxmi Naganuri and Megha Mathad, “Bioethanol production from waste banana peel”, International Research Journal of Engineering and Technology, Vol 7 (special issue), pp 124-129, (2020)
6. Madhumala Y, Goutami Hadimani, Savita Harke and Kaveri Lalaki, “Studies on extraction and applications of prodigiosin from *Serratia marcescens*”, International Research Journal of Engineering and Technology, Vol 7(special issue), pp 227-231, (2020)
7. Hemalatha V B, Ajay Kumar Oli and DBM Virupakshaiah, “Evaluating of phage as bio-control agent in enumeration of food borne pathogenic *Pseudomonas aeruginosa*”, J Pure Appl Microbiol, Vol 14(3), pp 2115-2128, (2020)
8. Sharada P and Vikarahmed, “Alzheimer’s disease: a progressive neurodegeneration” International Research Journal of Engineering and Technology, Vol 7(8) pp 2742-2744, (2020)
9. Vikarahmed, Sharada P, DBM Virupakshaih and Annapurneshwari, “Biocomputational approach for the effective treatment of Alzheimer's disease” International Journal of Pharmacy and Biological Sciences, Vol 10(3), pp 192-197, (2020)

10. Madhumala Y, Manjula Mathapati and Veena S Soraganvi, "Removal of heavy metal from industrial waste water using biofilm producing bacteria", International Journal of Bio-Technology and Research, Vol 9(2), pp 15–30, (2019)
11. Shivleela V B, Srihari Prathapaneni, Sharada P and Girigouda K, "N-terminal domain of tlyA from *Mycobacterium tuberculosis* displayed concentration dependent ordered structure" International Journal of Current Microbiology and Applied Sciences Vol 8(10), pp 1917-1925, (2019)
12. Shivaleela V B, Shaik Kalimulla Niazi, Sharada P and Girigowda K "Mycobacterium tuberculosis tlyA E59Q is stable compare to the native protein" International Journal of Current Microbiology and Applied Sciences, Vol 8(9), pp 2203-2212, (2019)
13. Madhumala Y, Veena Sorganvi and Bharati S Meti "Reduction of hexavalent chromium using biofilm forming isolates" International journal of technical innovation in modern engineering and science, Vol 4(11), pp 197-205, (2018)
14. Vikas C Ghattargi, Yogesh Nimonkar, Shaunak Burse, Dimple Davray, Shreyas Kumbhare, Meghana Gaikwad, Mangesh Suryavanshi, Swapnil Doijad, Bhimashankar Utage, Om Sharma, Yogesh Shouche and Bharati S Meti "Genomic and physiological analysis of an indigenous strain *Enterococcus faecium* 170M39", Functional and Integrative Genomics, Vol 18(4), pp 385-399, (2018)
15. Vikas C Ghattargi, Meghana Gaikwad, Dhiraj Dhotre, Yogesh Nimonkar, Om Sharma, Yogesh S Shouche, Shrikant Powar and Bharati S Meti "Comparative genome analysis reveals key genetic factors associated with probiotic property in *Enterococcus faecium* strains", BMC Genomics, Vol 19 (1) pp 1-16, (2018)
16. Vikas C Ghattargi, Mangesh V Suryavanshi, Swapnil Kalam, Yogesh S Shouche, and Bharati S Meti, "Need to explore camel milk as probiotics" Current Science, Vol 114(3), pp 425-426, (2018)
17. Premjyoti C Patil and Bharati S Meti "Isolation of microalgae for biomass and lipid enhancement through Placket-Burman design" Int. J. Curr. Microbiol.App.Sci., Vol 7(3), pp 2508-2518, (2018)
18. Madhumala Y, Vishal Managutti, Puja B Patil and Veena S Sorganvi, "Comparative study of bioreduction of water containing hexavalent chromium using biofilm forming and nonbiofilm forming bacteria" International Journal of Advanced Research Methodology in Engineering and Technology, Vol 1(2), pp 41- 44, (2017)
19. Anurag Bellankinamath, Ajay Katti, Hemalata V B and Bharati S Meti, "Isolation and characterization of the indigenous acetic acid from Western ghats soil samples", International Journal of Current Microbial Application Science Vol 6(9), pp 1255-1265, (2017)

20. Krishnamurthy Bhat, Bharati S Meti and K Chandrasekhar “Automation technique for online transesterification process of biodiesel plant in India” International Journal of Biotechnology and Research, Vol 6(1), pp13-18, (2016)
21. Krishnamurthy Bhat, Bharati S Meti and K Chandrasekhar, “Consolidation of available methods and design of a reliable physicochemical system for transesterification progress monitoring in biodiesel reaction chamber” International Research Journal of Engineering and Technology, Vol 3(6), pp 2334-2338, (2016)
22. DBM Virupakshaiah and V B Hemalata, “Molecular identification of *Pseudomonas aeruginosa* from food born isolates”, International journal of current microbiology applied sciences. Vol 5(6), pp 1026-1032, (2016)
23. Hemalata V B and DBM Virupakshaiah “Isolation and identification of food borne pathogens from spoiled food samples,” International Journal of current microbiology and applied sciences, Vol 5(6), pp 1017-1025, (2016)
24. Yashaswi R Metri and Bharati S Meti “Cellulosic conversion to bioethanol from *Pongamia* pod - a biodiesel industry waste” International Journal of Modern Engineering Research, Vol 5(9), pp 69-74, (2015)
25. Virupakshaiah DBM and Hemalatha V B “Bacteriophages are alternative Biocontrol agents to prevent the food borne pathogens” International Journal of Current Microbiology and Applied Sciences, Vol 4(9), pp 916-924, (2015)
26. Bharati S Meti and Shailaja B “Treatment of sugar process wastewater & biogas production using algal biomass”, International Journal of Engineering Research & Technology, Vol 3(9), pp 61-67, (2014)
27. Premjyothi C Patil and Bharati S Meti “A brief review on algal lipid”, International Journal of Research Studies in Biosciences, Vol 2(9), pp 55-61, (2014)
28. Megeri G B and G M Madhu, “Adsorption of lead from aqueous solution using Aluminum oxide” Journal of Chemical Engineering Research, Vol 2(1), pp 145-150, (2014)
29. Megeri G B, A Bhat, H Bhargava, C Thomus, C Jeevitha, S Chandrasekhar and G M Madhu, “Adsorption and optimization studies of lead from aqueous solution using  $\gamma$ -Alumina”, Journal of environmental chemical engineering, Vol 3(1), pp 30-39, (2015)
30. Virupakshaiah DBM and Kelamani Chandrakanth, “Homology modelling of PBP2a protein form methicillin resistance *Staphylococcus aureus*” Journal of Advanced Bioinformatics Applications and Research, Vol 5(1), pp 28-32, (2014)
31. Virupakshaiah DBM “*In silico* designing of methicillin antibiotic analogs for the treatment of *Staphylococcus aureus*”, Journal of Advanced Bioinformatics Applications and Research, Vol 5(1), pp 33-36, (2014)

32. Virupakshaiah DBM and Kelamani Chandrakanth, "Screening and docking study of *insilico* designed antibiotics for the treatment of methicillin resistance *Staphylococcus aureus*", Journal of Advanced Bioinformatics Applications and Research, Vol 5(1), pp 23-27, (2014)
33. Virupakshaiah DBM "Insilico screening of secondary metabolites derived from marine fungi for anticancer study", Journal of Advanced Bioinformatics Applications and Research, Vol 5(2), pp 78-82, (2014)
34. Virupakshaiah DBM and Kelamani Chandrakanth, "Epidemiological survey of *Staphylococcus aureus* isolated from clinical sample of Bagalkot district", International Journal of Informative and Futuristic Research, Vol 1(11), pp 34-40, (2014)
35. Virupakshaiah DBM and Kelamani Chandrakanth, "Molecular characterization of *Staphylococcus aureus* isolated from clinical sample of Bagalkot district", International Journal of Informative and Futuristic Research, Vol 1(11), pp 39-46, (2014)
36. Virupakshaiah DBM "Docking of secondary metabolites derived from marine fungi with Hsp90a protein in cancer treatment", Journal of advanced Bioinformatics Applications & Research, Vol 5(2), pp 92-96, (2014)
37. Virupakshaiah DBM, Madiha Ahmad, Smita T Patil and Chandrakanth Kelamani, "Molecular docking studies of *Mycobacterium tuberculosis* RNA polymerase beta subunit (rpoB) receptor", International Journal of Biotechnology and Bioengineering, Vol 7(5), pp 314-319, (2013)
38. Virupakshaiah DBM, Kelamani Chandrakanth and P B Kalaburgi, "Amplification and sequencing of *mecA* gene from methicillin resistance *Staphylococcus aureus*", International Journal of Advance Biotechnology & Research, Vol 2(3), pp 310-314, (2012)
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40. Sharada P and Naik G R "Physiological and biochemical responses of groundnut genotypes to drought stress" World Journal of Science and Technology, Vol 1(11), pp 29-32, (2011)
41. Sharada P and Naik G R "Pyrroline-5-carboxylate synthetase- isolation, partial purification and its characterization" Recent research in Science and Technology, Vol 3(12), pp 29-32, (2011)

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## Conference Papers

1. Preeti S Kumarmath and Sharada P, “Antioxidant assay of *Bryophyllum gastonis bonniere* at salt stress” International Virtual Conference On :Sustainable Biotechnology, held at Kristu Jayanti College, Bengaluru during 18<sup>th</sup> and 19<sup>th</sup> March 2021
2. Shilpa Jigajinni and Bharati S Meti, “Isolation, optimization and molecular characterization of noval lipase producing *Lysinibacillus macroides* FS1 from oil rich sample for biodiesel production” International Virtual Conference on :Sustainable Biotechnology, held at Kristu Jayanti College, Bengaluru during 18<sup>th</sup> and 19<sup>th</sup> March 2021
3. Preeti S Kumarmath and Sharada P, “Green approach for the synthesis of silver nano particles using *Bryophyllum fedtschenkoï*”, International Conference on Advanced Materials Science and Applications (Online) held at Ramaiah Institute of Technology, Bangalore during 3<sup>rd</sup> to 4<sup>th</sup> September 2020
4. Pavan Kumar, Manjunath G and Bharati S Meti “*Bacillus subtilis* based Bio-formulation for effective management of bacterial blight in Pomegranate”. Poster presentation at International Conference on Plant Protection- in Horticulture (ICPPH-2019), - organized by ICAR-Indian Institute of Horticultural Research (IIHR), Bangalore. During July 2019
5. Pavan Kumar, Manjunath G and Bharati S Meti “Biological management of bacterial blight of pomegranate using *Bacillus subtilis* based bioformulations” 4<sup>th</sup> Edition of Global Conference on Plant Science and Molecular Biology, London UK during September 2019
6. Pavan Kumar, Pushpa Doddaraju, Abhishek gowda, Bharati S Meti and Manjunatha G. “Early diagnosis of bacterial blight pathogen *Xanthomonas axanopodis* pv. *punicae* in pomegranate,” Poster presentation in national symposium on cutting edge approaches for sustainable plant disease management and ensuring farmers’ profit, organized by ICAR, NRCB, Tiruchirapalli, Tamil Nadu during 21<sup>st</sup> to 23<sup>rd</sup> December 2018
7. Pavan Kumar, Bharati S Meti and Manjunatha G. “Clove oil an effective antibiotic agent against bacterial blight of pomegranate”. Oral presentation in national symposium on cutting edge approaches for sustainable plant disease management and ensuring farmers’ profit, organized by ICAR, NRCB, Tiruchirapalli, Tamil Nadu during 21<sup>st</sup> to 23<sup>rd</sup> December 2018
8. Vikas C Ghattargi, Gaikwad Meghna A, Dhotre Dhiraj, Nimonkar Yogesh, Sharma Om Prakash, Shouche Yogesh S, Pawar Shrikant and Bharati S Meti, “Comparative Genomics of *Enterococcus faecium*” poster presentation at Federation of European Microbiological Societies (FEMS), Valencia Spain during July, 2017
9. Vikas C Ghattargi, Gaikwad Meghna A, Matharu Dollwin, Pandit Sumeet, Davaray Dimple, Shouche Yogesh S, Bharati S Meti, Pawar Shrikant and Dhotre Dhiraj

- “Genomic Investigation of Probiotic and Non-probiotic Species”, Presented a poster at Federation of European Microbiological Societies (FEMS) congress conference at Valencia Spain during July, 2017
10. Premjyoti Patil and Bharati S Meti “Microalgae the source of bioenergy” Paper presentation in the international conference on recent trends in agriculture, biotechnology and food processing held at agriculture college, Hassan, India from 5<sup>th</sup> to 7<sup>th</sup> July (2017)
  11. Virupakshaiah DBM, Madhiha Ahamad, Smita Patil and Kelamani Chandrakanth, “Molecular docking studies of *Mycobacterium tuberculosis* RNA polymerase  $\beta$  subunit (rpoB) Receptor”, International Conference on World academy of Science Engineering and Technology. Amsterdam, during May 2013
  12. Bharati S Meti, “Invitro rooting and acclimatization of sugarcane seedlings” Paper presentation in the International Symposium on ‘Acclimatization & Establishment of Micropropagated Plants’ at Faro, Portugal during 12<sup>th</sup> to 15<sup>th</sup> Sept. 2007
  13. Virupakshaiah DBM International Conference on “Docking studies on Antiviral Drugs for SARS” at Nice, France, during 8<sup>th</sup> to 16<sup>th</sup> Oct. 2007