



Basaveshwar Engineering College, Bagalkote
DEPARTMENT OF BIOTECHNOLOGY
PUBLICATIONS

2022-23

1. A. Rozindar, DBM Virupakshaiah, B Meti, BV Kumbha (2023). Identification of potential human chymase inhibitors using molecular docking and molecular dynamics simulation (2022). *Journal of Applied and Natural Science* 15 (1), 1-8.
2. Megeri Tejaswini R, Meti Bharati S, Hadimani Goutami, Harke Savita. Development of Multigrain Cookies. 10 (10): PP. 104-131.
3. Swati S Gavimath and Sharada Patwari (2022). A survey study on acceptance of spirulina-based beverage mix over malted-health drink. *International Journal of Research in Engineering and Science*. 10 (9). PP. 439-449.
4. Goutami Hadimani , Dr. Shilpa Jigajinni , Tejaswini M. and Savita H. (2022). Development of Wheat Bran Flakes Incorporate with Pomegranate and Pumpkin Seeds. *International Journal of Research in Engineering and Science*. 10 (9). PP. 274-304

2021-22

1. Zareenkousar Kazi, Basavaraj S. Hungund, Jayachandra S.Yaradoddi, N. R. Banapurmath, Abdulfatah Abdu Yusuf , Karedla Lakshmi,Kishore, Manzoore Elahi M. Soudagar , T. M. Yunus Khan, Ashraf, Elfakhany (2022). Production, Characterization, and Antimicrobial Activity of Pigment from *Streptomyces* Species. *Journal of Nanomaterials*. Volume 2022, Article ID 3962301, 8 pages
2. Kazi Zareenkousar, Hungund Basavaraj S., Desai Diksha, Banapurmath ,Nagaraj R. and Jayachandra S. Yaradoddi (2022). Potential Biomedical implications of bioactive pigment and silver nanoparticles produced by the actinobacteria *Rhodococcus* sp.

NCIM 5126. Research Journal of Biotechnology. Vol. 17 (5). Pages 160-169.

3. Mallikarjun Goni, Anil Kumar Desai, Niranjana Kumar, Veda Hegde, Palaksha Kanive Javaregowda, Virupakshaiah DBM (2022). Significance of altered glycosyltransferases expression levels in oral cancer. *Current Science*.
4. Preeti S Kumarmath, Anusha Kawatal, Kruti Nimbargi (2022). A Review on Extraction of Dye from *Terminalia catappa* Hull: A Substitute to Synthetic Dyes. *JETIR* 2022, Vol. 9 (2), pp 59-64.
5. Pavan Kumar, Veeresh Lokesh, Pushpa Doddaraju, Aprajita Kumari, Pooja Singh, Bharati S Meti, Jyotsana Sharma, Kapuganti Jagadis Gupta, Girigowda Manjunatha "Greenhouse and field experiments revealed that clove oil can effectively reduce bacterial blight and increase yield in pomegranate" *Food and Energy Security* (2021), Vol 10 (4) : 1-17 (e305).
6. Mallikarjun Goni, Veda Hegde, Niranjana Kumar, Anil Kumar Desai, Palaksha Kanive Javaregowda, and Virupakshaiah DBM (2021). Evaluation of oral cancer associated glycosyltransferase expression levels in peripheral blood mononucleated cells, *Advances in Cancer Biology-Metasis*, Vol. 3. pp 1-6.
7. Preeti S Kumarmath and Sharada P (2021). Assay of Antioxidants in *Bryophyllum pinnatum* under Salt Stress, *Journal of Chengdu University of Technology*, Vol. 26 (9). pp 1-8.
8. Shilpa K. Jigajinni and Bharati S. Meti (2021). 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.
9. Shilpa K. Jigajinni and Bharati S. Meti (2021). Isolation, optimization and molecular characterization of novel lipase producing *Lysinibacillus macroides* FS1 from oil reach sample for biodiesel production, *Current trends in Biotechnology and pharmacy*. Vol. 15 (5): pp 385-394.
10. Shilpa K. Jigajinni and Bharati S. Meti (2021). Identification of Effective Factors for Immobilized Lipase Catalysed Biodiesel Production from *Pongamia pinnata* Seed Oil using Plackett-Burman Design, *International Journal of Current Microbiology and*

Applied Sciences. Vol. 10 (9) pp 173-182.

11. Mallikarjun Goni, Palaksha Kanive Javaregowda, Vishwanath Chachadi and Virupakshaiah DBM (2021). Sialic acids: An avenue to target cancer progression, metastasis and resistance to therapy. *Forum of Clinical Oncology*. Vol. 12 (2). pp 1-9.
12. Preeti S Kumarmath and Sharada P (2021). Green approach for the synthesis of silver nanoparticles using *Bryophyllum pinnatum*, *Internalization Journal of Green Pharmacy*, Vol. 15 (3). pp 307-312.

2020-2021:

1. Pavan Kumar, Mahesh S. Dashyal, Pushpa Doddaraju, Bharati S. Meti & Manjunath Girigowda (2021). Differential gene responses in different varieties of pomegranate during the pathogenesis of *Xanthomonas axonopodis* pv. *Punicae*, *3 Biotech*. Vol. 11(4), pp 1-17.
2. Krishnamurthy Bhat, Bharati S Meti and K Chandrasekhar (2020). Planar Inter Digital Capacitive Sensor for Real time Transesterification Progress Monitoring of Karanja (*Pongamia*) Oil, *Asian Journal of Convergence in Technology*. Vol. 4 (3) pp 39-46.
3. Madhumala Y, Veena S Sorganvi and Nikhita H Ingalagi (2020). Chromium Reduction using bacterial Biofilms, *International Journal of Applied Sciences and Technology*. Vol. 5. pp 198-202.
4. Madhumala Y, Vijayalaxmi Naganuri, Megha Mathad (2020). Bioethanol Production from Waste Banana Peel, *International Research Journal of Engineering and Technology (irjet)*, Vol. 7, special issue, pp 124-129.
5. Madhumala Y, Goutami Hadimani, Savita Harke and Kaveri Lalaki (2020). Studies on Extraction and Applications of Prodigiosin from *Serratia Marcescens*, *International Research Journal of Engineering And Technology (Irjet)*. Vol. 7, special issue, pp 227-231.
6. Hemalatha V B, Ajay Kumar Oli and D.B.M. Virupakshaiah (2020). 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.

7. Sharada P and Vikarahmed (2020). Alzheimer's Disease: A Progressive Neurodegeneration International Research Journal of Engineering and Technology. Vol.7 (8) pp 2742-2744.
8. Vikarahmed, Sharada P, DBM Virupakshaih (2020). Annapurneshwari Biocomputational Approach for the Effective Treatment of Alzheimer's Disease International Journal of Pharmacy and Biological Sciences. Vol. 10 (3) pp192-197.

2019-2020:

1. Madhumala Y, Manjula Mathapati and Dr. Veena S. Soraganvi (2019). 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.
2. Shivleela V B, Srihari Prathapaneni, SharadaP & Girigouda K (2019). “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.
3. Shivaleela, Shaik Kalimulla Niazi, Sharada P & Giri Gowda K (2019). “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.

2018-2019:

1. Madhumala Y, Veena Sorganvi and Bharati S Meti (2018). “Reduction of hexavalent chromium using biofilm forming isolates” *International journal of technical innovation in modern engineering and science*, Vol. 4 (11) pp 197 -205.
2. 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 (2018). “Genomic and physiological analysis of an Indigenous strain, *Enterococcus faecium* 170M39”, *Functional and Integrative Genomics* Springer publications. Vol. 12, pp 385-399.

3. Vikas C Ghattargi, Meghana Gaikwad, Dhiraj Dhotre, Yogesh Nimonkar, Om Sharma, Yogesh S Shouche, Shrikant Powar and Bharati S Meti (2018).“Comparative Genomics analysis reveals key genetic factors associated with Probiotic property in, *Enterococcus faecium* strains”, BMC Genomics. Vol. 19 (1). pp 1-16.
4. Vikas C. Ghattargi, Mangesh V. Suryavanshi, Swapnil Kalam, Yogesh S Shouche, Bharati S. Meti (2018). “Need to explore camel milk as probiotics” *Current Science*. Vol. 114, pp 425-426.

2017-2018:

1. Premjyoti C Patil and Bharati S Meti (2018). “Isolation of microalgae for biomass and lipid enhancement through Plackett-Burman Design” *Int. J.Curr. Microbiol. App. Sci* Vol. 7 (3). pp 2508-2518.
2. Madhumala Y, Vishal Managutti, Puja B Patil & Veena S Sorganvi (2017). “Comparative Study of Bioreduction of water containing Hexavalent chromium using biofilm forming and non-biofilm forming Bacteria”. *International Journal of Advanced Research Methodology in Engineering and technology*. Vol. 1 (2) pp 41- 44.
3. Anurag Bellankinamath, Ajay Katageri, Hemalata V B and Bharati S Meti (2017).“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.

CONFERENCE PAPERS

1. Shilpa K Jigajinni and Bharati S Meti , ‘Isolation optimization and molecular Characterization of novel lipase producing *Lysinibacillus macrolides* FSI from oil Rich Sample for Biodiesel Production’, 18th and 19th March, 2021. (Accepted for publication in the Journal, Current trends in Biotechnology and Pharmacy – powered by scopus,
2. Preeti S Kumarmath and Sharada P ,International Virtual Conference On :Sustainable Biotechnology. Paper titled “Antioxidant Assay of *Bryophyllum gastonis bonniere* at Salt Stress” 18th and 19th March, 2021. (Accepted for publication in the Journal, Current trends in Biotechnology and Pharmacy – powered by scopus
3. Preeti S Kumarmath and Sharada P, 2020,Green approach for the synthesis of Silver nano particles using *Bryophyllum fedtschenkoi* International Conference on Advanced Materials Science and Applications (Online)3-4 September, , 124, Ramaiah Institute of Technology, Bangalore, Karnataka, India.
4. Pavan Kumar, Manjunath G, Bharati S Meti *Bacillus subtilis* based Bio-formulation for effective management of bacterial blight in Pomegranate. Poster presentation “International Conference on Plant Protection- in Horticulture (ICPPH-2019), - organized by ICAR-Indian Institute of Horticultural Research (IIHR), Bangalore. (July 2019).
5. Pavan kumar, Manjunath G, Bharati S Meti. *Biological management of bacterial blight of pomegranate using Bacillus subtilis based bioformulations*. “4th Edition of Global Conference on Plant Science and Molecular Biology”, London UK (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”21-23 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”21-23 December (2018).

LIST OF BOOKS PUBLISHED

1. Title of the Book: Marine Anti Cancer Drugs

Paperback: 72 pages

Publisher: LAP Lambert Academic Publishing (8 October 2014)

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ISBN-10: 3659610569

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2. Jayachandra S. Yaradoddi, Merja H Kontro, and Sharanabasava. Actinobacteria- Ecology, Diversity, Classification and Extensive Applications, Softcover ISBN 978-981-16-3355-3, eBook ISBN978-981-16-3353-9