

# **CURRICULUM VITAE**

**Dr.M.Veerapagu, M.Sc., M.Phil.,Ph.D.**

Asst.Professor, Dept. of Biotechnology,  
Microbiology and Bioinformatics,  
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Tiruchirappalli - 620001, Tamilnadu.  
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## **SUMMARY**

Experienced Associate Professor with over two decades of involvement, encompassing clinical diagnosis, laboratory practice, and teaching at the college level.

## **RESEARCH INTEREST**

My research interests encompass a broad spectrum of fields within microbiology, including My research in microbiology spans diverse areas such as medical and pharmaceutical microbiology, PGPR, probiotics, and bioremediation. I delve into pathogen virulence, investigating how they evade host defenses and identifying therapeutic targets. Understanding multidrug resistance in bacteria involves studying genetic, molecular, and evolutionary factors. In pharmaceutical microbiology, my focus is on ensuring product safety, efficacy, and quality through strict adherence to standards. I'm fascinated by PGPR's role in plant growth, nutrient uptake, and environmental resilience in agriculture. Probiotics intrigue me for their potential in improving gut health and immune function. Bioremediation captures my attention due to its ability to combat pollution and restore ecosystems. Integrating these areas offers opportunities to tackle global health challenges sustainably and advance scientific knowledge for societal benefit.

## **EXPERIENCE PROFILE:**

<b>Assistant Professor</b>	Since 01.08.2022
Department of Biotechnology, Microbiology & Bioinformatics, National College (Autonomous) Tiruchirappalli – 620001.	Bharathidasan University
<b>Assistant Professor</b>	01.08.2019 to 29.04.22
Department of Microbiology Thanthai Hans Roever College, Perambalur – 621212.	Bharathidasan University

<b>Guest Lecturer</b> Department of Biotechnology, P.G. Extension Centre, Perambalur.	04.09.2013 to 31.07.2019. Bharathidasan University
<b>Assistant Professor</b> Department of Biotechnology Muthu Mase Arts & Science College, Harur – 636903.	01.02.2005 to 31.08.2013. Periyar University
<b>Lecturer</b> Department of Microbiology Thanthai Hans Roever College, Perambalur – 621212.	01.07.1999 to 31.12.2002. Bharathidasan University
<b>Microbiologist</b> Eumic Analytical lab and Research Institute Trichy- 620018.	05.01.2004 to 17.01.2005
<b>Research Assistant</b> VHS – YRG Care AIDS Research Centre, Chennai – 600113.	02.01.2003 to 31.12.2003
<b>Microbiologist</b> Royal Labs, Madurai -625020.	06.11.1996 to 31.12.1998.

## ACADEMIC PROFILE

<b>Ph.D. Microbiology</b>	<b>Sep 2016</b>
K.S.R College of Arts and Science, Tiruchengode	Periyar University
Guide : Dr.A. Sankaranarayanan	

Title: Production, Purification and Characterization of Thermotolerant Organic solvent tolerant Neutral Lipase from *Pseudomonas gessardii* isolated from Oil spilled Soil.

<b>M.Phil. Biotechnology</b>	<b>Oct 2006</b>
Bharathidasan University, First class with <b>Distinction</b>	

**Title:** A study of probiotic *Lactobacillus sp* on survival of ornamental fish black molly against pathogenic *Vibrio sp*.

<b>M.Sc. Microbiology</b>	<b>APR 1996</b>
V.H.N.S.N College, Virudhunagar	Madurai Kamaraj University.

**Project:** Preliminary Studies of Antimicrobial Substances from *Acalypha indica*, *Parthenium hysterophorus*, *Tridax procumbens* against selective microorganisms.

## ACHIEVEMENTS MADE IN TEACHING/ RESEARCH/ EXTENSION

<b>Research Publications</b>	<b>: 24</b>
<b>Book Chapter</b>	<b>: 12 published</b>
<b>Total Citations</b>	<b>:239</b>
<b>h-index</b>	<b>: 06</b>
<b>i-10 index</b>	<b>: 05</b>
<b>ORCID</b>	<a href="https://orcid.org/0000-0001-6664-0578">https://orcid.org/0000-0001-6664-0578</a>
<b>Vidwan ID</b>	<a href="https://vidwan.inflibnet.ac.in/profile/298199">https://vidwan.inflibnet.ac.in/profile/298199</a>
<b>ResearchGate ID</b>	: <a href="https://www.researchgate.net/profile/M-Veerapagu">https://www.researchgate.net/profile/M-Veerapagu</a>
<b>Google Scholar ID</b>	<a href="https://scholar.google.com/citations?user=435uit8AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=435uit8AAAAJ&amp;hl=en</a>
<b>NCBI GenBank submission</b>	<b>: 26</b>
<b>Research Scholars</b>	<b>M.Phil : 2</b>
<b>Editorial Board member</b>	<b>: 02</b>
<b>FDP,Conference, Seminar &amp; Training</b>	<b>: 34</b>

## BOOK CHAPTERS

1. A.Sankaranarayanan , K.R.Jeya and **Veerapagu M** (2024). Impact of Novel Remediation Technology: Significant Role in the Removal of Toxic Pollutants via Sustainable Approaches. In: Verma, P. (eds) Industrial Microbiology and Biotechnology. Springer, Singapore.629-662. ISBN: 978-981-97-1912-9.[https://doi.org/10.1007/978-981-97-1912-9\\_25](https://doi.org/10.1007/978-981-97-1912-9_25)
2. **Veerapagu M**, K.R. Jeya, A. Sankaranarayanan, (2023). Isolation of Toxin Producing Cyanobacteria from Aquatic Samples—*Anabaenopsis* sp.. In: Protocols for Cyanobacteria Sampling and Detection of Cyanotoxin. Springer, Singapore.77- 83. c [https://doi.org/10.1007/978-981-99-4514-6\\_10](https://doi.org/10.1007/978-981-99-4514-6_10)
2. **M. Veerapagu**, K.R. Jeya, A. Sankaranarayanan, (2023). Role of plant growth-promoting microorganisms in phytoremediation efficiency: In Plant-Microbe Interaction - Recent Advances in Molecular and Biochemical Approaches, Academic Press, 45-61, ISBN 9780323918756, <https://doi.org/10.1016/B978-0-323-91875-6.00020-7>
4. **Veerapagu M**, Jeya KR and Sankaranarayanan A. (2022).Screening of endophytes for antibacterial properties.In “Endophytic Microbes: Isolation, identification and Bioactive potentials” Springer Protocols Handbooks, **Springer Nature**, New York. 213–224. ISBN:

978-1-0716-2827-0, Print ISBN : 978-1-0716-2826-3, <https://doi.org/10.1007/978-1-0716-2827-0> 23

5. Jeya KR , Sankaranarayanan A and **Veerapagu M.** (2022). Screening of endophytes for fungicidal activities. In “Endophytic Microbes: Isolation, identification and Bioactive potentials” Springer Protocols Handbooks, Springer Nature, New York. 245–253. Online ISBN: 978-1-0716-2827-0, Print ISBN : 978-1-0716-2826-3, <https://doi.org/10.1007/978-1-0716-2827-0> 26
6. Jeya, K.R., **Veerapagu, M.**, J Khalifa, A., Sankaranarayanan, A.(2022). Symbiotic microbes from pig gut. In Microbial Symbionts: Functions and Molecular Interactions on Host.Elsevier, Academic Press,London,UK.457-477. Paperback ISBN: 9780323993340 eBook ISBN: 9780323993357. <https://www.elsevier.com/books/microbial-symbionts/dharumadurai/978-0-323-99334-0>
7. **Veerapagu, M.**, J Khalifa, A., Jeya, K.R., Sankaranarayanan, A. (2022).Frankia from actinorhizal plants. In Microbial Symbionts: Functions and Molecular Interactions on Host.Elsevier, Academic Press,London,UK. 57-74. Paperback ISBN: 9780323993340 eBook ISBN: 9780323993357. <https://www.elsevier.com/books/microbial-symbionts/dharumadurai/978-0-323-99334-0>
8. **Veerapagu, M.**, Jeya, K.R., Sankaranarayanan, A. (2022). Assessment of Induction and Destruction of Thrombi. InBiosafety Assessment of Probiotic Potential. Methods and Protocols in Food Science . Springer Protocols Handbooks book series, Humana Press, New York, NY. 201- 210. Online ISBN: 978-1-0716-2509-5, Print ISBN: 978-1-0716-2508-8. <https://link.springer.com/chapter/10.1007/978-1-0716-2509-5> 22
9. Jeya, K.R., Khalifa, A., **Veerapagu, M.**, Sankaranarayanan, A. (2022). Assessment of Mutagenicity. In: Biosafety Assessment of Probiotic Potential. Methods and Protocols in Food Science. Springer Protocols Handbooks book series, Humana Press, New York, NY. 185-199. Online ISBN: 978-1-0716-2509-5, Print ISBN: 978-1-0716-2508-8. <https://doi.org/10.1007/978-1-0716-2509-5> 21
10. Jeya, K.R., Khalifa, A., **Veerapagu, M.**, Sankaranarayanan, A. (2022). Determination of Antibiotic Resistance Gene Transfer. In: Biosafety Assessment of Probiotic Potential. Methods and Protocols in Food Science. Springer Protocols Handbooks book series, Humana Press, New York, NY. 85-94. Online ISBN: 978-1-0716-2509-5, Print ISBN: 978-1-0716-2508-8. <https://doi.org/10.1007/978-1-0716-2509-5> 11
11. **Veerapagu, M.**, Jeya, K.R., Khalifa, A., Sankaranarayanan, A. (2022). Determination of Antibiotic Resistance. In: Biosafety Assessment of Probiotic Potential. Methods and

Protocols in Food Science . Springer Protocols Handbooks book series, Humana Press, New York, NY. 71-84. Online ISBN: 978-1-0716-2509-5, Print ISBN: 978-1-0716-2508-8. [https://doi.org/10.1007/978-1-0716-2509-5\\_10](https://doi.org/10.1007/978-1-0716-2509-5_10)

12. **Veerapagu M**, Jeya KR and Sankaranarayanan A. 2022. Isolation of Actinobacteria from Hills. In Methods in Actinobacteriology. Springer Protocols Handbooks. Humana, New York, NY. 89-95. Online ISBN978-1-0716-1728-1, Print ISBN978-1-0716-1727-4. [https://doi.org/10.1007/978-1-0716-1728-1\\_15](https://doi.org/10.1007/978-1-0716-1728-1_15)

## RESEARCH PAPER PUBLICATIONS

1. K.Ramanathan, A.Surya, **M.Veerapagu**, D.Ruffina and T.M.M.John Bastin.2021. Isolation of Zinc nanoparticles and analysis of antibacterial activity from *Cinnamomum tamulata* against *Staphylococcus aureus*. International Journal of Biotechnology and Microbiology.3 (2): 34-37. <https://www.biotechnologyjournals.com/archives/2021/vol3/issue2/3-2-16>
2. T.Venkatesh, S.Manivannan, **M.Veerapagu** and S.Jawahar.2021. Assessment of multidrug resistance and extended spectrum betalactamase producing bacteria from various meat samples in Namakkal, India. International Journal of Biology, Pharmacy and Allied Sciences.10(5): 1496-1508. <https://doi.org/10.31032/IJBPAS/2021/10.5.5457>
3. **M.Veerapagu** , K.R.Jeya and S.Vennila. 2021. Evaluation of phytochemicals, antioxidant potential and invitro antibacterial efficacy of *Murraya koenigii* leaves against uropathogenic E.coli. World Journal of Pharmaceutical Research. 10(1):1185-1195. [https://www.wjpr.net/abstract\\_file/16032](https://www.wjpr.net/abstract_file/16032)
4. P Ramya, K Ramanathan, **M Veerapagu**, D Ruffina, John Bastin TMM, KR Jeya. 2020. Identification of antibacterial activity from *Ocimum basilicum* against various pathogenic bacteria. International Journal of Advanced Scientific Research. 5(6): 105-107. <https://www.multidisciplinaryarticle.com/assets/archives/2020/vol5issue6/5-6-22-557.pdf>
5. G. Latha, **M. Veerapagu**, **K.** Ramanathan and K.R. Jeya. 2020. A study on the determination of phenol, flavonoid content and antioxidant potential of *Manihot esculenta* L.tuber. Indian Journal of Natural Sciences.10(59):18682- 18689. <https://tnsroindia.org.in/JOURNAL/issue59/ISSUE%2059%20FULL%20TEXT%20Part%20-%203.pdf>
6. Jeya KR, **Veerapagu M** and Sangeetha V. 2019. Antimicrobial and antioxidant properties

of *Coriandrum sativum* L. seed essential oil. American Journal of Essential Oils and Natural Products.7(2): 06 – 10.  
<https://www.essencejournal.com/pdf/2019/vol7issue2/PartA/5-5-30-313.pdf>

7. **Veerapagu. M**, Jeya. K.R, Kalaivani. R, Jeyanthi K.A and Geethanjali S. 2019. Screening of hydrocarbon degrading bacteria isolated from oil contaminated soil. The Pharma Innovation Journal.8(6): 69-72. <https://www.thepharmajournal.com/archives/2019/vol8issue6/PartB/8-5-42-828.pdf>
8. Jeya. K. R, **Veerapagu. M**, Vetrikodi. N, Priya. R and Latha. G.2018. Screening and production of alkaline protease from halophilic bacteria isolated from solar saltern. International journal of Pharmacy and Biological Sciences. 8(4): 948-953.  
[https://www.ijpbs.com/ijpbsadmin/upload/ijpbs\\_5c33fe6ee5ffa.pdf](https://www.ijpbs.com/ijpbsadmin/upload/ijpbs_5c33fe6ee5ffa.pdf)
9. **Veerapagu M**, Jeya KR, Priya R and Vetrikodi N.2018. Isolation and screening of plant growth promoting rhizobacteria from rhizosphere of chilli. Journal of Pharmacognosy and Phytochemistry. 7(4): 3444-3448.  
<https://www.phytojournal.com/archives/2018/vol7issue4/PartBF/7-4-552-658.pdf>
10. Jeya,K.R, **Veerapagu M**, Sankaranarayanan,A. and Sathya priya. R. 2018. Isolation and screening of kerosene oil degrading bacteria from contaminated soil of motor mechanic workshop. International journal of Pharmacy and Biological Sciences. 8(2): 683-688.  
[https://www.ijpbs.com/ijpbsadmin/upload/ijpbs\\_5b35e4400e008.pdf](https://www.ijpbs.com/ijpbsadmin/upload/ijpbs_5b35e4400e008.pdf)
11. **Veerapagu M** and Jeya,K.R, Sankaranarayanan,A. and Rathika, A. 2018. *In vitro* antioxidant properties of methanolic extract of *Solanum nigrum* L. fruit. The Pharma Innovation Journal.7(5): 371-374.  
<https://www.thepharmajournal.com/archives/2018/vol7issue5/PartF/7-5-34-412.pdf>
12. **Veerapagu M**, Jeya,K.R and Sakthivel.V. 2018.Phytochemical screening and antioxidant activity of ethanolic extract of leaves of *Solanum nigrum* L. International Journal of Pharma Research and Health Sciences. 6(3): 2621-2625.  
<https://www.pharmahealthsciences.net/pdfs/volume6-issue32018/10.vol6-issue3-2018-MS-15638.pdf>
13. Jeya,K.R and **Veerapagu, M**. 2017. Phytochemical screening and antibacterial activity of methanol leaf extract of *Calotropis procera* L. against clinical pathogens. International Journal of Advanced life sciences., 10 (1). 111-116.  
[http://unitedlifejournals.in/ms\\_files/ijals/18\\_Phytochemical\\_screening\\_and\\_antibacterial\\_activity\\_of\\_methanol.pdf](http://unitedlifejournals.in/ms_files/ijals/18_Phytochemical_screening_and_antibacterial_activity_of_methanol.pdf)
14. **Veerapagu M** and Jeya,K.R. 2017. Evaluation of probiotic characteristics of bacteria

- isolated from fermented food. The Pharma Innovation Journal., 6(7): 332- 325.  
<https://www.thepharmajournal.com/archives/2017/vol6issue7/PartE/6-6-35-798.pdf>
15. **Veerapagu, M.**, Jeya, K.R. and Sankaranarayanan, A. 2016. Screening and production of lipase producing bacteria from vegetable oil industry. International Journal of Scientific Research in Science, Engineering and Technology., 2(6): 726- 732.  
<https://ijsrset.com/paper/2147.pdf>
  16. **Veerapagu, M.**, Jeya, K.R. and Sankaranarayanan, A. 2016. Screening and production of fungal amylase from *Aspergillus* sp by SSF. Journal of Global Bioscience. 5 (8): 4443-4450. <https://www.mutagens.co.in/jgb/vol.05/8/050801.pdf>
  17. **Veerapagu, M.**, Sankara Narayanan, A., Jeya, K.R and Alagendran, S. 2014. Isolation and identification of a novel lipase producing bacteria from oil spilled soil. International Journal of Innovative Research in Science, Engineering and Technology. 3(12): 18122 – 18129. [http://www.ijirset.com/upload/2014/december/50\\_ISOLATION.pdf](http://www.ijirset.com/upload/2014/december/50_ISOLATION.pdf)
  18. Jeya, K.R and **Veerapagu, M** and Kiruthiga, K. 2013. Isolation of antibiotic producing *Streptomyces* sp. from soil of Perambalur district and a study on the antibacterial activity against clinical Pathogens. International Journal of PharmTech Research. 5 (3): 1207 – 1211. [https://sphinxsai.com/2013/JulySept13/phPDF/PT=34\(1207-1211\)JS13.pdf](https://sphinxsai.com/2013/JulySept13/phPDF/PT=34(1207-1211)JS13.pdf)
  19. **Veerapagu, M.**, Sankaranarayanan, A., Jeya, K.R and Ponmurugan. K. 2013. Screening, selection, identification, production and optimization of bacterial lipase from oil spilled soil. Asian Journal of Pharmaceutical and Clinical Research. 6 (3): 62- 67.  
<https://journals.innovareacademics.in/index.php/ajpcr/article/view/155/21393>
  20. Jeya, K.R and **Veerapagu, M.** 2011. Screening for the antimicrobial activity of *Lippia nodiflora* leaf extract against selective bacterial population. Research journal of Pharmacy and Technology. 4 (11): 1669 – 1672. [https://rjptonline.org/ShowPDF\\_Paper.aspx](https://rjptonline.org/ShowPDF_Paper.aspx)
  21. **Veerapagu, M.**, Elavarasan, P and Jeya, K.R. 2011. In vitro antimicrobial activity of *Lippia nodiflora* crude extract against selected microorganisms. Biotechnology An Indian Journal. 5(2): 93- 95. <https://www.tsjournals.com/articles/in-vitro-antimicrobial-activity-of-lippia-nodiflora-crude-extract-against-selected-microorganisms.pdf>
  22. **Veerapagu, M.**, Jeya, K.R and Sivakuamr, N. 2009. Effect of Probiotic *Lactobacillus* sp on Ornamental Fish Against Pathogenic *Vibrio* sp. Advanced Biotech. IX (5): 20-22.
  23. Jeya, K.R and **Veerapagu, M.** 2008. Studies on the Antimicrobial Activity of Medicinal Plants Against *Listeria monocytogenes*. Advances in Plant Sciences. 21 ( II ): 381-383.
  24. **Veerapagu, M.**, Jeya, K.R and K. Ponmurugan. 2008. Mutational effect of *Penicillium chrysogenum* on antibiotic production. Advanced Biotech. VII (1): 16-19.

## BACTERIA IDENTIFICATION & GENBANK SUBMISSION

1. Janarthanan,N., **Veerapagu, M.** and Jeya,K.R. (2024). *Pseudomonas aeruginosa* strain VPJ1. 16S ribosomal RNA gene, partial sequence (1417 bp DNA.) Accession No. PP732494. <https://www.ncbi.nlm.nih.gov/nuccore/PP732494>.
2. Janarthanan,N., **Veerapagu, M.** and Jeya,K.R. (2024). *Pseudomonas fluorescens* strain VPJ2. 16S ribosomal RNA gene, partial sequence (1401 bp DNA.) Accession No. PP732495. <https://www.ncbi.nlm.nih.gov/nuccore/PP732495>
3. Janarthanan,N., **Veerapagu, M.** and Jeya,K.R. (2024). *Pseudomonas fluorescens* strain VPJ3. 16S ribosomal RNA gene, partial sequence (1397 bp DNA.) Accession No. PP732496. <https://www.ncbi.nlm.nih.gov/nuccore/PP732496>
4. Janarthanan,N., **Veerapagu, M.** and Jeya,K.R. (2024). *Pseudomonas aeruginosa* strain VPJ4. 16S ribosomal RNA gene, partial sequence (1401 bp DNA.) Accession No. PP732497. <https://www.ncbi.nlm.nih.gov/nuccore/PP732497>
5. Janarthanan,N., **Veerapagu, M.** and Jeya,K.R. (2024). *Pseudomonas aeruginosa* strain VPJ5. 16S ribosomal RNA gene, partial sequence (1402 bp DNA.) Accession No. PP732498. <https://www.ncbi.nlm.nih.gov/nuccore/PP732498>
6. Janarthanan,N., **Veerapagu, M.** and Jeya,K.R. (2024). *Pseudomonas aeruginosa* strain VPJ6. 16S ribosomal RNA gene, partial sequence (1402 bp DNA.) Accession No. PP732499. <https://www.ncbi.nlm.nih.gov/nuccore/PP732499>
7. Janarthanan,N., **Veerapagu, M.** and Jeya,K.R. (2024). *Pseudomonas fluorescens* strain VPJ7. 16S ribosomal RNA gene, partial sequence (1406 bp DNA.) Accession No. PP732500. <https://www.ncbi.nlm.nih.gov/nuccore/PP732500>
8. Janarthanan,N., **Veerapagu, M.**, Manivel,G. and Aravinthan,K. (2024). *Pseudomonas aeruginosa* strain VPJ8. 16S ribosomal RNA gene, partial sequence (1402 bp DNA.) Accession No. PP732501. <https://www.ncbi.nlm.nih.gov/nuccore/PP732501>
9. Janarthanan,N., **Veerapagu, M.**, Jaganath,B. and Aravinthan, K. (2024). *Pseudomonas aeruginosa* strain VPJ9. 16S ribosomal RNA gene, partial sequence (1403 bp DNA.) Accession No. PP732502. <https://www.ncbi.nlm.nih.gov/nuccore/PP732502>
10. Logeshwaran,S., **Veerapagu, M.**, Jeya,K.R., Diwakar,V., Jaganath,B., Aravinthan,K., Manivel,G. and Rajarajan,T. (2024). *Klebsiella pneumoniae* strain VPL1. 16S ribosomal RNA gene, partial sequence (1365 bp DNA.) Accession No. PP732526. <https://www.ncbi.nlm.nih.gov/nuccore/PP732526>
11. Logeshwaran,S., **Veerapagu, M.**, Jeya,K.R., Diwakar,V., Jaganath,B., Aravinthan,K., Manivel,G. and Rajarajan,T. (2024). *Klebsiella pneumoniae* strain VPL2.



- 16S ribosomal RNA gene, partial sequence (1344 bp DNA.) Accession No. PP732527.  
<https://www.ncbi.nlm.nih.gov/nuccore/PP732527>
12. Logeshwaran,S., **Veerapagu, M.**, Jeya,K.R., Diwakar,V., Jaganath,B., Aravinthan,K., Manivel,G. and Rajarajan,T. (2024). *Klebsiella pneumoniae* strain VPL3. 16S ribosomal RNA gene, partial sequence (1383 bp DNA.) Accession No. PP732528.  
<https://www.ncbi.nlm.nih.gov/nuccore/PP732528>
13. Logeshwaran,S., **Veerapagu, M.**, Jeya,K.R., Diwakar,V., Jaganath,B., Aravinthan,K., Manivel,G. and Rajarajan,T. (2024). *Klebsiella oxytoca* strain VPL4. 16S ribosomal RNA gene, partial sequence (1299 bp DNA.) Accession No. PP732529.  
<https://www.ncbi.nlm.nih.gov/nuccore/PP732529>
14. Logeshwaran,S., **Veerapagu, M.**, Jeya,K.R., Diwakar,V., Jaganath,B., Aravinthan,K., Manivel,G. and Rajarajan,T. (2024). *Klebsiella pneumoniae* strain VPL5. 16S ribosomal RNA gene, partial sequence (1395 bp DNA.) Accession No. PP732530.  
<https://www.ncbi.nlm.nih.gov/nuccore/PP732530>
15. Gopika,M., **Veerapagu, M.**, Manivel,G., Jeya,K.R. and Rajarajan,T. (2024). *Escherichia coli* strain VPG1. 16S ribosomal RNA gene, partial sequence (1313 bp DNA.) Accession No. PP732503. <https://www.ncbi.nlm.nih.gov/nuccore/PP732503>
16. Gopika,M., **Veerapagu, M.**, Manivel,G., Jeya,K.R. and Rajarajan,T. (2024). *Escherichia coli* strain VPG2. 16S ribosomal RNA gene, partial sequence (1281 bp DNA.) Accession No. PP732504. <https://www.ncbi.nlm.nih.gov/nuccore/PP732504>
17. Narmatha,K. and **Veerapagu, M.** (2024). *Lacticaseibacillus casei* strain Narm1.16S ribosomal RNA gene, partial sequence (1398 bp DNA.) Accession No. PP732485.  
<https://www.ncbi.nlm.nih.gov/nuccore/PP732485>
18. Narmatha,K. and **Veerapagu, M.** (2024). *Lacticaseibacillus plantarum* strain Narm2.16S ribosomal RNA gene, partial sequence (1361 bp DNA.) Accession No. PP732486.  
<https://www.ncbi.nlm.nih.gov/nuccore/PP732486>
19. Elakiya Selvi,R. and **Veerapagu, M.** (2024). *Staphylococcus aureus* strain VPE1.16S ribosomal RNA gene, partial sequence (1389 bp DNA.) Accession No. **PP774205**.  
<https://www.ncbi.nlm.nih.gov/nuccore/PP774205>
20. Elakiya Selvi,R. and **Veerapagu, M.** (2024). *Staphylococcus aureus* strain VPE2.16S ribosomal RNA gene, partial sequence (1333 bp DNA.) Accession No. **PP774206**.  
<https://www.ncbi.nlm.nih.gov/nuccore/PP774206>

21. Elakiya Selvi,R. and **Veerapagu, M. (2024)**. *Staphylococcus aureus* strain VPE3.16S ribosomal RNA gene, partial sequence (1417 bp DNA.) Accession No. **PP774207**. <https://www.ncbi.nlm.nih.gov/nuccore/PP774207>
22. **Veerapagu, M.**, Meenakshi,M. and Jeya,K.R. (2022). *Pseudomonas aeruginosa* strain M1, 16S ribosomal RNA gene, partial sequence (1495 bp.) Accession No. **OP723454**. <https://www.ncbi.nlm.nih.gov/nuccore/OP723454>
23. **Veerapagu,M.**, Jeya,K.R and Gomathi,K.(2022). *Lactiplantibacillus plantarum* strain LB1, 16S ribosomal RNA gene, partial sequence (1457 bp.) Accession No. OP164705 (2022). <https://www.ncbi.nlm.nih.gov/nuccore/OP164705>
24. Ponmurugan, K., Sankaranarayanan, A., Thangapandiyan, V., Shyamkumar, R., **Veerapagu, M. (2015)**. *Streptomyces aureofaciens* strain pstv251 16S ribosomal RNA gene, partial sequence (1456 bp.) Accession No. **KR340491**. <https://www.ncbi.nlm.nih.gov/nuccore/937360751>
25. Ponmurugan, K., Sankaranarayanan, A., Fredimoses, M., **Veerapagu, M. (2015)**.*Nocardiosis alba* strain KHpstv21 16S ribosomal RNA gene, partial sequence (1462 bp). Accession No. KR493931. <https://www.ncbi.nlm.nih.gov/nuccore/937360753>
26. **Veerapagu,M.**, Sankaranarayanan,A., Jeya,K.R. and Ponmurugan,K. (2014). Production, purification and characterization of thermo-tolerant organic solvent tolerant neutral lipase from *Pseudomonas gessardii* 16S ribosomal RNA gene, partial sequence (1478bp). Accession N o : KJ547711. <https://www.ncbi.nlm.nih.gov/nuccore/KJ547711>

## **ESTEEMED ROLES**

### **1.Research Supervisor (Ph.D Guideship)**

Recognized as Research Supervisor Ph.D. Microbiology, Bharathidasan University, **Ref.No:129383/Ph.D./K12/Microbiology/R.A./26.05.20**

### **2. Staff Approval :**

1.Approved as staff eligible by Bharathidasan University

2.Approved as staff eligible by Periyar University.

### **3. Member of Board of examiner**

1.UG&PG Microbiology, Thanthai Hans Roever College, Autonomous, Perambalur.

2. UG&PG Microbiology, Dhanalakshmi Srinivasan College (Autonomous), Perambalur.

3. UG&PG Biotechnology , Bishop Heber College (Autonomous), Tiruchirappalli.

4. UG Microbiology Bharathidasan University, Trichy.

5. P.G. Biotechnology, Periyar University, Salem from 2005 to 2013.

#### **4. Journal Editorial Board Member**

1. Editorial Board member in 'International Journal of Biology Research'. ISSN: 2455-6548,
2. Editorial Board member in 'International Journal of Biotechnology and Microbiology'.  
ISSN: 2664-7672.

#### **5. Professional Memberships**

Life member in Microbiologist Society, India. Life Membership No. MS/LM/631

Life Member in Academic & Research Conclave. Member ID: ARC10584

#### **AWARDS**

Received "Innovative Researcher Award" from Thanthai Roever Institute of Agriculture and Rural Development at National Seminar on 11.03.23.

#### **CONFERENCE, TRAINING AND SEMINAR**

1. Participated Six Weeks International Online **Faculty Development Programme** on "BIOANALYTICAL TECHNIQUES (Part 1) – Microscopy, Chromatography and Centrifugation (Phase I)" organized by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Biotechnology Society of Nepal (BSN) and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil from 03.01.24 to 14.02.24 and has successfully completed with DISTINCTION.
2. Participated in the Four Weeks International Online **Faculty Development Programme** on "MEDICALLY IMPORTANT BACTERIA (Phase I)" organized by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Biotechnology Society of Nepal (BSN) and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil from 09.10.23 to 08.11.23 and has successfully completed with DISTINCTION.
3. Participated Four weeks International online **Faculty development programme on Microbiology Laboratory Techniques** organized by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India; Biotechnology Society of Nepal and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil from 04.09.23 to 03.10.23

4. Participated seven days International **Faculty development** online certificate course on Prokaryotes – An Overview, organized by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India; Biotechnology Society of Nepal and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil from 03.03.23 to 09.02.23
5. Participated seven days International **Faculty development** online certificate course on Microscopy –An overview, organized by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India; Biotechnology Society of Nepal and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil from 03.02.23 to 09.02.23.
6. Participated in the three days National Level **FDPI** ON “ IPR, Entrepreneurship development and startups” organized by IOT Academy, Coimbatore from 21.12.22 to 23.12.22.
7. Participated in the one day National virtual seminar on “ Seasonal diseases-Winter season- Skin diseases” on 15.12.22 organized by the department of Botany &NSS cell, Government degree college for women, Jagital, Telangana.
8. Participated in the two days National Level **FDPI** ON “ Teaching Pedagogy and online Resources & Tools” organized by IOT Academy, Coimbatore from 08.12.22 to 9.12.22.
9. Participated in the International Webinar on “ A peek into using Next Generation Sequencing(NGS) for understanding bacterial whole genomes” organized by department of Physiology, Saveetha Dental College & Hospitals, Chennai on 19.10.22
10. Participated in the Virtual International One week Faculty Development Programme on Research Methodology from 02.05.22 to 07.05.22 organized by Kamala Nehru Mahavidyalaya, Nagpur.
11. Participated in the 2nd International E- Conference2021 on “ Novel Biotechnological approach to sustain in Pandemic scenario organized by the department of Biotechnology & Research, SNMV College of Arts & Science, Coimbatore from 15/09/2021 to 17/09/2021
12. Participated in the National Virtual Lecture workshop on “ Management of Experimental Animals – Concepts and Practices” organized by the department of Biochemistry, ST. Joseph’s College, Tiruchirappalli on 17/09/2021.
13. Participated in the National webinar on ‘Diversity and identity of bacterial

- communities by Barcoded illumine sequencing' organized by the Department of Microbiology, Jawaharlal Nehru College for Women, Pali, Ulundurpet, on 17.08.2021.
14. Participated in the International online certificate course on "Microbial Inoculants Technology" organized by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India from 04th July 2021 - 08th August 2021.
  15. Participated in the International Virtual conference on 'Global added burdens of diseases and Food security' organized by the PG& Research department of nutrition and dietetics & B.Voc., Food processing and safety, Jamal Mohamed college (Autonomous) Trichy on 05.01.2021.
  16. Participated in the Live Workshop on Go Patent - Protect Intellectual Property Organized by Department of Microbiology in association with IPR CELL and KAHE-IIC, Karpagam Academy of Higher Education, Coimbatore, Tamil Nadu, India on 30.12.2020.
  17. Completed Online Certificate Course on "Medical Bacteriology" organized by the Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil from 1st - 30th June 2020.
  18. Participated Training programme on Mushroom cultivation & Herbal soap preparation at department of Biotechnology, Bharathidasan University Constituent Model Arts & Science College (W), Veppur, on 28.01.2020
  19. Presented paper on "Preliminary phytochemical screening and invitroantibacterial activity of *Catharanthus roseus*" in the National conference on Phytochemicals in medicinal plants and foods" at department of Biochemistry, Bharathidasan University Constituent College for women, Orathanadu on 01.02.2018.
  20. Presented poster on "Screening and characterization of plant growth promoting rhizobacteria from the rhizosphere soil of *Capsicum annum.L*" in the National Seminar on "Recent advances in Microbial Technology for renewable energy, bioremediation, health and sustainable agriculture" during 23- 24.01.2018 at department of Microbiology, Periyar University, Salem.
  21. Participated in the National workshop on "Recent Advances in Spirulina and its cultivation Techniques" organized by department of Microbiology, Selvam Arts and Science college, Namakkal on 10.08.2017.
  22. Have presented the paper "Production and optimization of bacterial lipase" on the

International Seminar on Bioscience and its Applications held in the Research department of Biotechnology, Bharathidasan University Constituent College, Perambalur on 30.08.2016.

23. Presented the paper “ Screening and production of fungal amylase from *Aspergillus* sp. by SSF using vegetable waste as substrate” on the International Seminar on Bioscience and its Applications held in the Research department of Biotechnology, Bharathidasan University Constituent College, Perambalur on 30.08.2016.
24. Presented the paper “ Production of laccase from *Streptomyces* sp. by submerged fermentation.” on the International Seminar on Bioscience and its Applications held in the Research department of Biotechnology, Bharathidasan University Constituent College, Perambalur on 30.08.2016.
25. Participated in the National workshop on Green Initiatives in Energy and Environment (GIEE-2014) held on 11<sup>th</sup> September 2014 at department of Environmental Science, Periyar University, Salem.
26. Participated in the national seminar on Challenges for Microbiologist to become Bio Entrepreneurs organized by the department of Microbiology, Periyar University, Salem on 27<sup>th</sup> August 2014.
27. Participated in the National Conference on Modern Trends in Biodiversity conservation and its sustainable utilization held on 17<sup>th</sup> and 18<sup>th</sup> July 2014 in the department of Botany, Periyar Arts College, Cuddalore.
28. Participated in the “ One day national seminar on diagnosis of the infectious diseases by molecular biological methods” held in the department of Microbiology, Bharathidasan University, Tiruchirappalli, Tamilnadu on 29.11.2010
29. Participated in the one day training on ‘Mushroom Production Technology’ held on 10.09.2008 at Regional Research Station, Paiyur, Krishnagiri district.
30. Attended the seminar on ‘ Recent Advances in Science and Technology, organized by the department of physics, Harur Muthu Arts and Science Collee, Harur on 07.09.2007.
31. Participated in the intercollegiate seminar at Kamadhenu college of Arts and Science, Dharmapuri.
32. Participated in the UGC sponsored refresher course in Biotechnology from 06.07.2006 to 26.07.2006 at the Pondicherry University.
33. Have undergone NSS General orientation course conducted by the Madras school of social work from 14.09. 2005 to 23.09.2005
34. Have undergone training for three months in Microbiological Lab from 01.08.96 to

31.10.96 at Meenakshi Mission Hospital and Research center, Madurai.

### **PROGRAMS ORGANIZED**

1. Participated as a member of the organizing committee for a biology teacher training program that took place on May 2nd and 3rd, 2024. During the training, I actively contributed to the planning and execution of practical sessions in biology, focusing on hands-on experiments and demonstrations. These practical sessions were designed to enhance the participants' understanding of key biological concepts and methodologies, covering areas such as cellular biology, genetics, microbiology, and bioinformatics. The training aimed to equip biology teachers with the necessary skills and knowledge to effectively conduct practical classes and foster a deeper appreciation for biological sciences among students.

2. Organized an Open Day program at the Department of Biotechnology, Microbiology, and Bioinformatics at National College (autonomous), Tiruchirappalli, on January 4th, 2024. The event welcomed students from E.V.R. College, Tiruchirappalli, and Government Arts and Science College (women), Veppur, Perambalur, providing them with an enriching educational experience. Students visited the state-of-the-art laboratory facilities at the department and gained insights into cutting-edge research equipment, techniques, and methodologies used in the fields of biotechnology, microbiology, and bioinformatics.

3. An educational webinar titled "Cattle Farming and Dairy Production" was organized on February 9th, 2023. The webinar featured Dr. S. Ilavarasan, an esteemed Assistant Professor from TANUVAS-RREC in Pudukkottai, as the keynote speaker. Dr. Ilavarasan's expertise and insights into the realm of cattle farming and dairy production were shared with participants during the webinar.

### **ACADEMIC MERITS**

1.M.Phil – Passed First class with Distinction, Bharathidasan University, Trichy.

2. B.Sc. Secured First Rank among the students of college in the Madurai Kamaraj University examinations held in 1994 and awarded **Gold Medal** from M.S.PalanichamyNadar and Cash award from M.S.Paramasiva Nadar at V.H.N.S.N. College, Virudhunagar.

3. S.S.L.C. Awarded **Gold Medal** for First Mark in Mathematics (100 marks) in the S.S.L.C Public Examinations, March 1989 from M.S.P.K.Periasami Nadar at K.V.S.H.S.S, Virudhunagar.

4. Awarded for producing 100 percent result in Annual day Function- 2018, P.G.Extension Centre, Bhrathidasan University, Perambalur- 621107.

5. Awarded for producing Cent Percent Result at 17th Annual Day Celebrations, Muthu Mase

Arts and Science College Harur-636903, Dharmapuri district held on 31.03.2012.

#### **ADDITIONAL RESPONSIBILITIES**

1. Eco club Member Intracollege Level
2. Exam cell member Intracollege Level
3. Student Counsellor Intracollege Level
4. Curriculum development cell Member Intracollege Level

#### **EXTRA CURRICULAR ACTIVITIES**

1. Acted as NSS Programm officer 2005-2007
2. Participated in the World AIDS Day awareness Rally on 28.12.2006 organized by Rural Integrated development organization(RIDO), APAC- VHS, District Red Ribbon Club- Dharmapuri, District YRC- Dharmapuri.
3. Organized NSS special camp and NSS regular activities including but not exempted to NSS Day celebration, Guidance for Life Improvement, Total elimination of nuclear weapons, Free Eye check up camp, Blood donation camp, Election duty for NSS volunteers etc.

#### **SPORTS**

1. Secured Winner place in Staff Cricket at Annual Sports Meet 2018-2019 at Bharathidasan University Constituent college, Kurumbalur, Perambalur – 621107 on 14.03.2019
2. Secured Runner place in Cricket at Annual Sports Meet 2017- 2018, held on 28.03.18, Bharathidasan University Constituent College, Perambalur- 621107.
3. Secured winner of Cricket in Annual sports and games 2008-2009, Muthu Mase Arts and Science college, Harur, Dharmapuri district.
4. Secured Runner of volley ball in Annual sports and games 2008-2009, Muthu Mase Arts and Science college, Harur, Dharmapuri district.