



Dr.P.Senthilraja
Assistant professor

Contact

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Academic Qualifications: M.Sc., M.Phil., Ph.D.,

	Degree /subject	Year of study	University
Ph.D	Marine Biotechnology	2007 - 2011	Annamalai University
M.Phil	Biotechnology	2005 - 2006	Bharathidhasan University
M.Sc.,	Bioinformatics	2002 - 2004	Bharathidhasan University
B.Sc.,	Biochemistry	1998 - 2001	Bharathidhasan University

Teaching/ Research Experience: 12 Years

Areas of Research

I am interested to take up a challenging research in Molecular modelling, Drug designing and marine yeast Proteomic.

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	03	01
	M.Phil.	01	-
Project	PG	30	-

Publications

International		National		Others
journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
35	02	02	12	1

Cumulative Impact Factor (as per JCR) :	8.34
H-index :	11
i10 index :	11
Total Citations :	321

Others

1. No. of PhD Thesis evaluated : **01**
2. No. of PhD Public Viva Voce Examination conducted : **03**
3. Sequences submitted in GenBank : **37**

Recent Publications: 2013-2018

1. Senthilraja P, Manikandaprabhu S, Manju J, Loganathan K, Arulprakash A, Prakash M. (2013) Comparative docking analysis of Marine Red algae against hepatocellular carcinoma (Hcc) 1IJX Protein
2. P. Senthilraja, Nyabuganda jean paul Aime, S. Manikandaprabhu, M. Prakash (2013) Computational screening and docking analysis of natural compounds derived from mangrove plant against Type-2 Diabetes, Myo-Inositol Oxygenase Enzyme (Miox) Int. J. Pharm. Sci. 6(2)20-30

3. Loganathan k, arulprakash a, prakash m and senthilraja p (2013) lysozyme, protease, alkaline phosphatase and esterase activity of epidermal skin mucus of freshwater snake head fish *channa striatus* international journal of research in pharmaceutical and biosciences.3(1):17-20
4. Arulprakash, G gunasekaran, M prakash, K loganathan, S balasubramanian, P senthilraja(2013) haemocytes classification and differential counts in the freshwater crab, *paratelphusa hydrodromous* 3(2):1-5
5. K saravanakumar, p senthilraja, k kathiresan (2013) bioethanol production by mangrove-derived marine yeast, *sacchromyces cerevisiae*. journal of king saud university25 (2):121-127
6. Sunil kumar sahu, kandasamy kathiresan, reena singh, and poomalai senthilraja (2013) Molecular docking analyses of *avicennia marinaderived* phytochemicals against white spot syndrome virus (wssv) envelope protein-vp28 bioinformation. 8(18): 897–900
7. Senthilraja.P, Suganya. K, Manikandaprabhu. S, Kathiresan. K and Prakash. M. (2014) Mangrove Phytochemicals Inhibit Against West Nile Virus Replication *In-Silico* Analysis. International Journal of Plant, Animal and Environmental Sciences; 4(2): 5-11.
8. Senthilraja P, Uwera Divine, Manikandaprabhu S, Kathiresan K, Prakash M. (2014) RNA secondary structure prediction: Analysis of *Saccharomyces cerevisiae* rRNAs. International Journal of Pharmaceutical Sciences Review and Research. 25(2): 287-291.
9. V. Ramachandran, R. Saravanan, P. Senthilraja(2014)Antidiabetic and antihyperlipidemic activity of asiatic acid in diabetic rats, role of HMG CoA: *In vivo* and *in silico* approaches. Phytomedicine. 21(3):225-232.
10. Senthilraja.P, Kathiresan.K, (2015). *In vitro* cytotoxicity MTT assay in Vero, HepG2 and MCF-7 cell lines study of marine yeast, J. Appl. Pharm. Sci. 03 :080 -084
11. Senthilraja.P, Sunil Kumar Sahu and Kathiresan.K, (2015). Isolation and Identification of Antimicrobial Protein from *Saccharomyces cerevisiae* and its Efficacy against the Human Pathogens. Research Journal of Microbiology, 10: 24-32.
12. Manikandaprabhu S, Senthilraja P, Manivel G, Prakash M, Anand K,(2015). Bioactive Compounds From Marine Yeast Inhibits Lung Cancer. J App Pharm Sci, 5(2): 007-015.
13. Manikandaprabhu S, Senthilraja P, Manju J, Prakash M, (2015). Molecular Identification and Docking Analysis of Marine Bacteria (*Bacillus flexus*). World Journal of Pharmaceutical Research, 4(9): 994-1010.
14. Senthilraja P, Kayitare John, Manivel G, Manikandaprabhu S, Anand Krishnamurthy (2015). Potential compound derived from *Catharanthus roseus* to inhibit Non-Small Cell Lung Cancer (NSCLC).Int. J. Res. Ayurveda Pharm. 6(2): 265-271. DOI: 10.7897/2277-4343.06254
15. Thangapandiyan S, Miltonprabu S, Senthilraja P, (2016)Epigallocatechin gallate potentially abrogates fluoride induced lung oxidative stress, inflammation via Nrf2/Keap1 signaling pathway in rats: An *in-vivo* and *in-silico* study. International Immunopharmacology. 39:128-139.
16. Dhurga K , Gunasekaran G , Senthilraja P , Manivel G , Stalin A(2016) Molecular Modeling and Docking Analysis of Pseudomonas Bacterial Proteins with Eugenol and its derivatives. Life Science Informatics Publication 2(1):42-50.

17. G.Manivel, P.Senthilraja, S.Manikandaprabhu, G.Durga, M.Prakash and G.Sakthivel. (2016) 6-oxa-3-thiaoctanoic acid has potential inhibitors against thyroid cancer *in-silico* analysis. International Journal of Pharmaceutical Sciences and Research. International Journal of Pharmaceutical Sciences and Research.,7(2),4963-4963
18. K.Dhurga, Senthilraja P, Manivel G, Anand K and stalin A.(2017) *In silico* analysis on phytoestrogens from dried fruits as Beta-Catenin inhibitors in Liver cancer. Research Journal of Life Science, Bioinformatics, Pharmaceutical and Chemical Sciences:2(5):52-61
19. K.Dhurga, Senthilraja P, Manivel G, Anand K and stalin A (2017) Protein-protein docking analysis on WNT3A-FZD4 complex in WNT signaling pathway .Research Journal of Life Science, Bioinformatics, Pharmaceutical and Chemical Sciences. 3(5):52-61

Nucleotide sequences deposited in NCBI (GEN BANK):

1. *Aspergillus sp.* enrichment culture clone fpsr4 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1 and 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence 560 bp linear DNA Accession:KJ934702.1 GI:673922034
2. *Aspergillus sp.* enrichment culture clone fpsr3 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1 and 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence 574 bp linear DNA Accession:KJ934701.1 GI:673922033
3. *Cochliobolus sp.* enrichment culture clone fpsr2 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1 and 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence 558 bp linear DNA Accession:KJ934700.1 GI:673922032
4. *Aspergillus sp.* enrichment culture clone fpsr1 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1 and 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence 558 bp linear DNA Accession:KJ934699.1 GI:673922031
5. Uncultured *Acinetobacter sp.* clone bpsr19 16S ribosomal RNA gene, partial sequence 750 bp linear DNA Accession: KJ934698.1 GI: 673922030
6. Uncultured *Pseudomonas sp.* clone bpsr18 16S ribosomal RNA gene, partial sequence 750 bp linear DNA Accession: KJ934697.1 GI: 673922029
7. Uncultured *Bacillus sp.* clone bpsr17 16S ribosomal RNA gene, partial sequence 750 bp linear DNA Accession: KJ934696.1 GI: 673922028
8. Uncultured *Pseudomonas sp.* clone bpsr16 16S ribosomal RNA gene, partial sequence 750 bp linear DNA Accession: KJ934695.1 GI: 673922027
9. Uncultured *Stenotrophomonas sp.* clone bpsr15 16S ribosomal RNA gene, partial sequence 1,000 bp linear DNA Accession: KJ934694.1 GI: 673922026

10. Uncultured *Psychrobacter sp.* clone bpsr14 16S ribosomal RNA gene, partial sequence
750 bp linear DNA Accession: KJ934693.1 GI: 673922025
11. Uncultured *Acinetobacter sp.* clone bpsr13 16S ribosomal RNA gene, partial sequence
750 bp linear DNA Accession: KJ934692.1 GI: 673922024.
12. Uncultured *Psychrobacter sp.* clone bpsr12 16S ribosomal RNA gene, partial sequence
750 bp linear DNA Accession: KJ934691.1 GI: 673922023
13. Uncultured *Pseudomonas sp.* clone bpsr11 16S ribosomal RNA gene, partial sequence
750 bp linear DNA Accession: KJ934690.1 GI: 673922022
14. Uncultured *Psychrobacter sp.* clone bpsr10 16S ribosomal RNA gene, partial sequence
750 bp linear DNA Accession: KJ934689.1 GI: 673922021
15. Uncultured *Bacillus sp.* clone bpsr9 16S ribosomal RNA gene, partial sequence 798 bp linear
DNA Accession: KJ934688.1 GI: 673922020
16. Uncultured *Pseudomonas sp.* clone bpsr8 16S ribosomal RNA gene, partial sequence
750 bp linear DNA Accession: KJ934687.1 GI: 673922019
17. Uncultured *Lysinibacillus sp.* clone bpsr7 16S ribosomal RNA gene, partial sequence
750 bp linear DNA Accession: KJ934686.1 GI: 673922018
18. Uncultured *Bacillus sp.* clone bpsr6 16S ribosomal RNA gene, partial sequence
750 bp linear DNA Accession: KJ934685.1 GI: 673922017
19. Uncultured *Psychrobacter sp.* clone bpsr5 16S ribosomal RNA gene, partial sequence
750 bp linear DNA Accession: KJ934684.1 GI: 673922016
20. Uncultured *Acinetobacter sp.* clone bpsr4 16S ribosomal RNA gene, partial sequence
750 bp linear DNA Accession: KJ934683.1 GI: 673922015
21. Uncultured *Pseudomonas sp.* clone bpsr3 16S ribosomal RNA gene, partial sequence
700 bp linear DNA Accession: KJ934682.1 GI: 673922014
22. Uncultured *Stenotrophomonas sp.* clone bpsr2 16S ribosomal RNA gene, partial sequence
750 bp linear DNA Accession: KJ934681.1 GI: 673922013
23. Uncultured *Stenotrophomonas sp.* clone bpsr1 16S ribosomal RNA gene, partial
Sequence 750 bp linear DNA Accession: KJ934680.1 GI: 673922012
24. *Bacillus flexus* strain psrm 16S ribosomal RNA gene, partial sequence 810 bp linear DNA
Accession: KC964543.1 GI: 508128867
25. *Pseudomonas sp.* enrichment culture clone PSRMB1 16S ribosomal RNA gene, partial
Sequence 620 bp linear DNA Accession: JQ768049.1 GI: 384502358
26. *Candida tropicalis* strain PSRM6 internal transcribed spacer 1, partial sequence; 5.8S
ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal
RNA gene, partial sequence 474 bp linear DNA Accession: JQ768048.1 GI: 384502357

27. *Saccharomyces cerevisiae* 18S ribosomal RNA gene, partial sequence 655 bp linear DNA
Accession: JN387604.1 GI: 344915433
28. *Geotrichum sp.* PSR4 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1 and 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence 377 bp linear DNA Accession: JF815176.1 GI: 334108863
29. *Kuraishia capsulata* 18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1 and 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence 544 bp linear DNA Accession: JF815175.1 GI: 334108862
30. *Pachysolen tannophilus* 18S ribosomal RNA gene, partial sequence 1,801 bp linear DNA
Accession: JF815174.1 GI: 334108861
31. *Candida wickerhamii* 18S ribosomal RNA gene, partial sequence 1,769 bp linear DNA
Accession: JF815173.1 GI: 334108860
32. *Lactobacillus sp.* enrichment culture clone PSR03 16S ribosomal RNA gene, partial sequence 614 bp linear DNA Accession: JF292453 GI: 326368582
33. *Lactobacillus sp.* enrichment culture clone PSR2 16S ribosomal RNA gene, partial sequence , 268 bp linear DNA Accession: JF292452 GI: 326368581
34. *Candida sp.* enrichment culture clone MPSR03 18S ribosomal RNA gene, partial sequence, 630 bp linear DNA Accession: JF292451 GI: 326368580
35. *Debaryomyces sp.* enrichment culture clone MPSR02 18S ribosomal RNA gene, partial sequence, 2,015 bp linear DNA Accession: JF292450 GI: 326368579
36. *Candida sp.* enrichment culture clone MPSR01 18S ribosomal RNA gene, partial sequence, 556 bp linear DNA Accession: JF292449 GI: 326368578
37. *Lactobacillus casei* strain PSR1 16S ribosomal RNA gene, partial sequence 818 bp linear DNA Accession: HQ292207.1 GI: 312306089