

CURRICULAM VITAE



Dr.P.SARANRAJ, M.Sc.,M.Phil.,Ph.D.

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Present Position
Dr. P.Saranraj,
Project Fellow
UGC Major Project,
Department of
Microbiology,
Annamalai University,
Annamalai Nagar.
Pin: 608 002.

Personal Data

Date of Birth:
01.10.1986

Father's Name:
J. Palani

Mother's Name:
P. Premavathy (Late)

Sex
Male

Languages Known:
Tamil and English.

Marital status
Single

Nationality
Indian

Religion
Hindu

Community
Yadhava (B.C)

REFERENCE

Dr.(Mrs).D.Stella,
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Objective

Looking forward to work in a challenging which allows me to contribute in development of your esteemed organization.

Academic Profile

EDUCATIONAL QUALIFICATION:-

Qualification	College/University	Duration	Remarks
Ph.D	Annamalai University, Chidambaram	2010 - 2012	Highly Recommended
M.Phil (Microbiology)	Annamalai University, Chidambaram	2010	89%
M.Sc (Applied Microbiology)	SRM Arts and Science College, Potheri. (Madras University)	2006 - 2008	59.95%
B.Sc (Microbiology)	SRM Arts and Science College, Potheri. (Madras University)	2003 - 2006	65%
HSC	St. Joseph's Higher Secondary School, Cuddalore-2	2003	65%
SSLC	St. Joseph's Higher Secondary School, Cuddalore-2	2001	80%

RESEARCH EXPERIENCE

October 2008 to Till date

PROJECT TITLES:

- ❖ **B. Sc** - Optimization of cellulase production by *Aspergillus niger* using paddy straw as substrate.
- ❖ **M.Sc** - Antibacterial potential of herbal plant *Acalypha indica* against human pathogens.

- ❖ **Summer Project** - Bioadsorption of chromium resistant *Enterococcus casseliflavus* isolated from tannery effluents.
- ❖ **M.Phil** - Decolourization and degradation of textile azo dyes by using bacteria and fungi isolated from textile effluent.
- ❖ **Ph.D** - Studies on the combined effect of bacterially treated sugar mill effluent, compost mixtures and lignite fly ash for the improvement of growth and yield of Groundnut (*Arachis hypogaea* L.)

WORKING EXPERIENCE:

S. NO	DURATION		PLACE WORKED	DESIGNATION
	FROM	TO		
1	Feb 2010	June 2011	Annamalai University	Project Fellow in UGC Major Project (Agronomy)
2	July 2011	Till date	Annamalai University	Project Fellow in UGC Major Project (Microbiology)

PAPERS PUBLISHED IN NATIONAL JOURNALS

Total number of papers PUBLISHED in National journals		Total number of papers ACCEPTED in an National journals	
RESEARCH papers	REVIEW papers	RESEARCH papers	REVIEW papers
6	4	-	-
Total papers published - 6		Total papers accepted - 0	

Author position	Number of papers published	
	RESEARCH papers	REVIEW papers
First Author	1	2
Second Author	1	-
Third Author	4	2
Total	6 Research + 4 Review = 10 Papers	

- 1) **P. Saranraj**, D. Stella and S. Kavi Karunya. 2011. Emulsification properties of the *Pseudomonas aeruginosa* Biosurfactant – Rhamnolipid. ***Advances in Environmental Research: An Interdisciplinary Approach***, 238 - 242.
- 2) C. Meena, D. Stella and **P. Saranraj**. 2011. Evaluation of antibacterial activity of acetone and chloroform extract of *Acalypha indica*. ***Advances in Environmental Research: An Interdisciplinary Approach***, 251 - 253.
- 3) C. Poonguzhaly, **P. Saranraj** and A. Arokiyamary. 2011. Comparative decolourization of Textile Direct Azo Dyes using *Aspergillus* sp. ***Advances in Environmental Research: An Interdisciplinary Approach***, 254 - 257.
- 4) P. Ganesh, R. Sureshkumar and **J. P. Saranraj**. 2012. Bioadsorption of chromium by using *Pseudomonas aeruginosa* isolated from tannery effluent. ***Proceedings in International conference on Science and Technology for Clean and Green Environment***, 38 – 40.
- 5) R. Sureshkumar, P. Ganesh and **J. P. Saranraj**. 2012. Isolation and identification of bacterial cultures for biodegradation of azo dyes. ***Proceedings in International conference on Science and Technology for Clean and Green Environment***, 41 – 44.
- 6) K. Kolanjinathan, P. Ganesh, **P. Saranraj** and D. Sekar. 2012. Antimicrobial activity of *Gracilaria folifera* against pathogenic microorganisms.
- 7) **P. Saranraj** and D. Stella. 2014. Enzymes involved in the decolourization and degradation of textile azo dyes. ***Proceedings of Recent Advances in Biotechnology and Applied Microbiology***, Page: 86 – 92. (ISBN: 978-81-928100-0-4).
- 8) **P. Saranraj**. 2014. Vermicompost – A soil conditioner cum nutrient supplier. ***Proceedings of Recent Advances in Biotechnology and Applied Microbiology***, Page: 100 – 106. (ISBN: 978-81-928100-0-4).
- 9) S. Sivasakthi, G. Usharani and **P. Saranraj**. 2014. Dry beans and its health benefits. ***Proceedings of Recent Advances in Biotechnology and Applied Microbiology***, Page: 215 – 219. (ISBN: 978-81-928100-0-4).

- 10) N. Sriram, D. Reetha and **P. Saranraj**. 2014. Heavy metal pollution in mangrove region: A Review. ***Proceedings of Recent Advances in Biotechnology and Applied Microbiology***, Page: 220 – 226. (ISBN: 978-81-928100-0-4).

RESEARCH AND REVIEW PAPERS PUBLISHED IN INTERNATIONAL (PEER REVIEWED) JOURNALS

Total number of papers PUBLISHED in an International peer reviewed journals		Total number of papers ACCEPTED in an International peer reviewed journals	
RESEARCH papers	REVIEW papers	RESEARCH papers	REVIEW papers
41	21	4	2
Total papers published - 62		Total papers accepted - 6	

Author position	Number of papers published	
	RESEARCH papers	REVIEW papers
1 st Author	12	15
2 nd Author	8	5
3 rd Author	12	1
4 th Author	8	-
Total	41 Research + 21 Review = 62 papers	

- 1) **P. Saranraj**, D. Stella, K. Sathiyaseelan and Sajani Samuel. 2010. Antibacterial potentiality of Ethanol and Ethyl acetate extract of *Acalypha indica* against human pathogenic bacteria. *Journal of Ecobiotechnology*, 2 (7): 23 – 27.
- 2) **P. Saranraj**, V. Sumathi, D. Reetha and D. Stella. 2010. Decolourization and degradation of direct azo dyes and biodegradation of textile dye effluent by using bacteria isolated from textile dye effluent. *Journal of Ecobiotechnology*, 2 (7): 7 – 11.
- 3) **P. Saranraj**, V. Sumathi, D. Reetha and D. Stella. 2010. Fungal decolourization of direct azo dyes and biodegradation of textile dye effluent. *Journal of Ecobiotechnology*, 2 (7): 12 – 16.
- 4) **P. Saranraj**, D. Stella, D. Reetha and K. Mythili. 2010. Bioadsorption of chromium resistant *Enterococcus casseliflavus* isolated from tannery effluent. *Journal of Ecobiotechnology*, 2 (7): 17 – 22.

- 5) S. Anitha, E. S. Chellaraj Emmanuel and **P. Saranraj**. 2010. A study on impact of rare earth metals and bacteria in growth of wheat (*Triticum aestivum*). ***Journal of Ecobiotechnology***, 2 (7): 1 - 6.
- 6) R. Suresh Kumar, P. Ganesh, K. Tharmaraj and **P. Saranraj**. 2011. Growth and development of black gram (*Vigna mungo*) under foliar application of Panchagavya as organic source of nutrient. ***Current Botany***, 2 (3): 9 - 11.
- 7) **P. Saranraj**, S. Sivakumar, J. Siva Subramaniam and M. Geetha. 2011. Production, optimization and spectroscopic studies of Hyaluronic acid extracted from *Streptococcus pyogenes*. ***International Journal of Pharmaceutical and Biological Archives***, 2 (3): 886 - 891. (ICV Value - 5.07).
- 8) S. Siva Sakthi, **P. Saranraj** and M. Geetha. 2011. Antibacterial evaluation and phytochemical screening of *Datura metel* leaf extracts against bacterial pathogens. ***International Journal of Pharmaceutical and Biological Archives***, 2 (4): 1130 - 1136. (ICV Value - 5.07).
- 9) S. Siva Sakthi, **P. Saranraj** and M. Rajasekar. 2011. Optimization for cellulase production by *Aspergillus niger* using paddy straw as substrate. ***International Journal of Advanced Scientific and Technical Research***, 1 (1): 69 - 85 (Impact Factor - 2.94) (ICV Value - 6.20).
- 10) **P. Saranraj**, S. Siva Sakthi and M. Geetha. 2011. Pharmacological screening of *Datura metel* and *Acalypha indica* for its Antifungal activity against fungal pathogens. ***International Journal of Pharmaceutical Science and Health Care***, 1 (2): 15 - 30 (Impact Factor - 2.21).
- 11) T. Murugan and **P. Saranraj**. 2011. Antibacterial activity of various solvent extracts of the Indian herbal plant *Acalypha indica* against human pathogens causing nosocomial infection. ***International Journal of Pharmaceutical and Biological Archives***, 2(5): 1498 - 1503. (ICV Value - 5.07).

- 12) **P. Saranraj** and D. Stella. 2011. Antibiogram of nosocomial infection and its antimicrobial drug resistance. *International Journal of Pharmaceutical and Biological Archives*, 2(6): 1598 - 1610. (ICV Value - 5.07) (Received Best Review paper award - 2011).
- 13) S. Kavi Karunya, D. Reetha, **P. Saranraj** and D. John Milton. 2011. Optimization and purification of chitinase produced by *Bacillus subtilis* and its antifungal activity against plant pathogens. *International Journal of Pharmaceutical and Biological Archives*, 2(6): 1633 - 1638. (ICV Value - 5.07).
- 14) A. Jageethadevi, **P. Saranraj** and N. Ramya. 2012. Inhibitory effect of chemical preservatives and organic acids on the growth and organic acids on the growth of bacterial pathogens in poultry chicken. *Asian Journal of Biochemical and Pharmaceutical Research*, 1 (2): 1 - 9 (Impact Factor - 0.456) (ICV Value - 9.00).
- 15) **P. Saranraj** and M. Geetha. 2012. Microbial spoilage of Bakery products and its control by preservatives. *International Journal of Pharmaceutical and Biological Archives*, 3 (1): 204 - 214. (ICV Value - 5.07).
- 16) S. Siva Sakthi, D. Kanchana, **P. Saranraj** and G. Usharani. 2012. Evaluation of Amylase activity of the Amylolytic fungi *Aspergillus niger* using cassava as substrate. *International Journal of Applied Microbiology Sciences*, 1 (1): 24 - 34.
- 17) T. Murugan, T. Manikandavelu and **P. Saranraj**. 2012. Growth and bio-pigment production of three microalgal species in organic and inorganic media and determination of generation time - A comparative study. *International Journal of Pharmaceutical and Biological Archives*, 3(1): 122-127. (ICV Value - 5.07).
- 18) **P. Saranraj** and D. Stella. 2012. Technology and modern trends for bioethanol production using cellulosic agricultural wastes. *International Journal of Applied Microbiology Sciences*, 1(2): 1 - 12.

- 19) M. Kadarmoidheen, **P. Saranraj** and D. Stella. 2012. Effect of cellulolytic fungi for the degradation of cellulosic agricultural wastes. ***International Journal of Applied Microbiology Sciences***, 1(2): 13 - 23.
- 20) **P. Saranraj**, D. Stella and D. Reetha. 2012. Microbial Cellulases and its applications: A review. ***International Journal of Biochemistry and Biotech Sciences***, 1: 1 - 12.
- 21) M. Geetha, **P. Saranraj**, S. Magalakshmi and D. Reetha. 2012. Screening of Pectinase producing bacteria and fungi for its pectinolytic activity using fruit wastes. ***International Journal of Biochemistry and Biotech Sciences***, 1: 30 - 42.
- 22) M. Darwina, D. Kanchana and **P. Saranraj**. 2012. Biocontrol efficacy of various preservatives against food borne pathogens in poultry chicken. ***Novus International Journal of Biotechnology and Biosciences***, 1 (1): 1 - 13.
- 23) **P. Saranraj**, D. Stella and D. Reetha. 2012. Bioactivity of *Mangifera indica* ethanol extract against human pathogenic microorganisms. ***Novus International Journal of Pharmaceutical Technology***, 1 (1): 11 - 18.
- 24) **P. Saranraj** and D. Stella. 2012. Vermicomposting and its importance in improvement of soil nutrients and agricultural crops. ***Novus Natural Science Research***, 1 (1): 14-23.
- 25) P. K. Senthilkumar, C. Uma and **P.Saranraj**. 2012. Amylase production by *Bacillus* sp. using cassava as substrate. ***International Journal of Pharmaceutical and Biological Archives***, 3 (2): 274 – 280. (ICV Value – 5.07).
- 26) C. Prabhahar, K. Saleshrani, **P. Saranraj** and K. Tharmaraj. 2012. Studies on the antifungal activity of *Turnera subulata* and *Acacia nilotica* against selected fungal pathogens. ***International Journal of Recent Scientific Research***, 3 (3): 149-154 (Impact Factor – 3.00).
- 27) C.Prabhahar, K. Saleshrani, **P. Saranraj** and K. Tharmaraj. 2012. Antibacterial effect of ethanol and ethyl acetate extracts of *Sygium cumini* against bacterial pathogens. ***International Journal of Recent Scientific Research***, 3 (3): 155 – 158 (Impact Factor – 3.00).

- 28) C. Prabhakar, K. Saleshrani, K. Tharmaraj and **P. Saranraj**. 2012. Investigation on antimicrobial activity of *Gracilaria crassa* extracts against pathogenic microorganisms. ***International Journal of Recent Scientific Research***, 3 (3): 166 – 171 (Impact Factor – 3.00).
- 29) **P.Saranraj**, D.Stella and D.Reetha. 2012. Microbial spoilage of vegetables and its control measures: A Review. ***International Journal of Natural Product Science***, 2 (2): 1 -12.
- 30) R. Sadeeshkumar, **P. Saranraj** and D. Annadurai. 2012. Bioadsorption of the toxic heavy metal Chromium by using *Pseudomonas putida*. ***International Journal of Research in Pure and Applied Microbiology***, 2(4): 32 - 36.
- 31) **P. Saranraj** and P. Sivasakthivelan 2012. Screening of antibacterial activity of medicinal plant *Phyllanthus amarus* against Urinary tract infection (UTI) causing bacterial pathogens. ***Applied Journal of Hygiene***, 1 (3): 19 – 24.
- 32) **P. Saranraj** and D. Stella. 2012. Bioremediation of sugar mill effluent by immobilized bacterial consortium. ***International Journal of Research in Pure and Applied Microbiology***, 2(4): 43 – 48.
- 33) **P. Saranraj** and D. Stella. 2012. Effect of bacterial isolates on reduction of physico – chemical characteristics in sugar mill effluent. ***International Journal of Pharmaceutical and Biological Archives***, 3(5): 1077 – 1084. (ICV Value – 5.07).
- 34) D. Sekar, K. Kolanjinathan, **P. Saranraj** and K. Gajendiran. 2012. Screening of *Phyllanthus amarus*, *Acalypha indica* and *Datura metel* for its antimicrobial activity against selected pathogens. ***International Journal of Pharmaceutical and Biological Archives***, 3(5): 1231 - 1236. (ICV Value – 5.07).
- 35) G.Usharani, **P.Saranraj** and D.Kanchana. 2012. *Spirulina* Cultivation: A Review. ***International Journal of Pharmaceutical and Biological Archives***, 3(6): 1327 - 1341(ICV Value – 5.07).

- 36) G.Usharani, **P.Saranraj** and D.Kanchana. 2012. *In vitro* cultivation of *Spirulina platensis* using Rice mill effluent. ***International Journal of Pharmaceutical and Biological Archives***, 3(6): 1518 - 1523 (ICV Value – 5.07).
- 37) **P. Saranraj**, P. Sivasakthivelan and S. Siva Sakthi. 2013. Prevalence and production of plant growth promoting substance by *Pseudomonas fluorescens* isolated from paddy rhizosphere soil of Cuddalore district, Tamil Nadu, India. ***African Journal of Basic and Applied Sciences***, 5 (2): 95 - 101.
- 38) M. A. Naidu and **P. Saranraj**. 2013. Bacterial Amylase: A Review. ***International Journal of Pharmaceutical and Biological Archives***, 4(2): 274 - 287. (ICV Value – 5.07).
- 39) **P. Saranraj**. 2013. Bacterial biodegradation and decolourization of toxic textile azo dyes. ***African Journal of Microbiology Research***, 7(30): 3885 - 3890 (NAAS Rating – 6.0) (Impact Factor – 0.54).
- 40) **P.Saranraj** and D. Stella. 2013. Fungal Amylase: A Review. ***International Journal of Microbiological Research***, 4(2): 203 - 211.
- 41) **P.Saranraj**, D. Stella, G. Usharani and S. Sivasakthi. 2013. Effective recycling of Lignite Fly Ash for the laboratory cultivation of Blue Green Algae – *Spirulina platensis*. ***International Journal of Microbiological Research***, 4(3): 219 - 226.
- 42) S. Sivasakthi, D. Kanchana, G. Usharani and **P. Saranraj**. 2013. Production of plant growth promoting substance by *Pseudomonas fluorescens* and *Bacillus subtilis* isolated from paddy rhizosphere soil of Cuddalore district, Tamil Nadu, India. ***International Journal of Microbiological Research***, 4(3): 227 - 233.
- 43) N. Sriram, D. Reetha and **P. Saranraj**. 2013. Biological degradation of Reactive dyes by using bacteria isolated from dye effluent contaminated soil. ***Middle – East Journal of Scientific Research***, 17(12): 1695 – 1700.

- 44) P. Sivasakthivelan and **P. Saranraj**. 2013. *Azospirillum* and its formulations: A Review. ***International Journal of Microbiological Research***, 4(3): 275 - 287.
- 45) D. Kanchana, M. Jayanthi, G. Usharani, **P. Saranraj** and D. Sujitha. 2013. Prevalence of *Azotobacter* sp. in Chilli (*Capsicum annum* L.) rhizosphere soil of Cuddalore district, Tamil Nadu, India. ***International Journal of Microbiological Research***, 4(3): 296 - 299.
- 46) D. Kanchana, M. Jayanthi, G. Usharani, **P. Saranraj** and D. Sujitha. 2013. Evaluation of Plant growth promoting substance production by *Azospirillum* sp. isolated from rhizosphere of Chilli (*Capsicum annum* L.). ***International Journal of Microbiological Research***, 4(3): 300 - 304.
- 47) **P. Saranraj** and D. Sujitha. 2013. Microbial bioremediation of chromium in tannery effluent: A Review. ***International Journal of Microbiological Research***, 4(3): 305 - 320.
- 48) G. Usharani, D. Kanchana, M. Jayanthi, **P. Saranraj** and D. Sujitha. 2013. Evaluation of certain resistance inducing chemicals against Sheath blight incidence in Paddy (*Oryza sativa* L.). ***International Journal of Microbiological Research***, 4(3): 333 - 335.
- 49) **P. Saranraj** and M. A. Naidu. 2013. Hyaluronic acid production and application: A Review. ***International Journal of Pharmaceutical and Biological Archives***, 4(5): 853 - 859 (ICV Value – 5.07).
- 50) M. Jayanthi, D. Kanchana, **P. Saranraj** and D. Sujitha. 2013. Bioremediation of toxic heavy metal chromium in tannery effluent using bacteria. ***Applied Journal of Hygiene***, 2(2): 8 - 14.
- 51) **P. Saranraj**, M. A. Naidu and P. Sivasakthivelan. 2013. Lactic acid bacteria and its antimicrobial properties: A Review. ***International Journal of Pharmaceutical and Biological Archives***, 4(6): 1124 - 1133 (ICV Value – 5.07).
- 52) **P. Saranraj** and D. Stella. 2014. Impact of sugar mill effluent to the environment: A Review. ***World Applied Science Journal***, 30(3): 299 - 316 (Impact Factor – 0.234).

- 53) M. Jayanthi, D. Kanchana, **P. Saranraj** and D. Sujitha. 2014. Biosorption of chromium by *Penicillium chrysogenum* and *Aspergillus niger* isolated from tannery effluent. *International Journal of Microbiological Research*, 5(1): 40 - 47.
- 54) K. Kolanjinathan, P. Ganesh and **P. Saranraj**. 2014. Pharmacological importance of seaweeds: A Review. *World Journal of Fish and Marine Sciences*, 6(1): 1 - 15.
- 55) **P. Saranraj** and S. Sivasakthi. 2014. *Spirulina platensis* – Food for future: A Review. *Asian Journal of Pharmaceutical Science and Technology*, 4(1): 26 - 33.
- 56) G. Usharani, D. Kanchana, M. Jayanthi, **P. Saranraj** and D. Sujitha. 2014. Effect of Salicylic acid and *Pseudomonas fluorescens* on the growth and yield of Paddy IR-50. *International Journal of Microbiological Research*, 5(1): 54 - 60.
- 57) **P. Saranraj** and M. A. Naidu. 2014. Microbial Pectinases: A Review. *Global Journal of Traditional Medicinal System*, 3(1): 1 - 9.
- 58) S. Kavi Karunya and P. Saranraj. 2014. Toxic effects of pesticide pollution and its biocontrol by microorganism: A review. *Applied Journal of Hygiene*, 3(1): 1 - 10.
- 59) T. Bharathi, K. Kolanjinathan and **P. Saranraj**. 2014. Antimicrobial activity of solvent extracts of *Ocimum sanctum*, *Azadirachta indica* and *Phyllanthus amarus* against clinical pathogens. *Global Journal of Pharmacology*, 8(3): 294 - 305 (Impact Factor – 0.622).
- 60) **P. Saranraj** and S. Sivasakthi. 2014. Medicinal plants and its antimicrobial properties: A Review. *Global Journal of Pharmacology*, 8(3): 316 - 337 (Impact Factor – 0.622).
- 61) S. Sivasakthi, G. Usharani and **P. Saranraj**. 2014. Biocontrol potentiality of Plant growth promoting rhizobacteria (PGPR) – *P. fluorescens* and *B. subtilis*: A Review. *African Journal of Agricultural Sciences*, 9(16): 1265 - 1277 (NAAS Rating – 6.00) (Impact factor – 0.25).

- 62) K. Kolanjinathan and **P. Saranraj**. 2013. Pharmacological efficacy of marine seaweed *Gracilaria edulis* against clinical pathogens. ***Global Journal of Pharmacology***, 8(2): 268 - 274 (Impact Factor – 0.622).
- 63) D. Kanchana, M. Jayanthi, G. Usharani, **P. Saranraj** and D. Sujitha. 2014. Interaction effect of combined inoculation of PGPR on growth and yield parameters of Chili var K1 (*Capsicum annum* L.). ***International Journal of Microbiological Research***, (Accepted).
- 64) **P. Saranraj** and P. Sivasakthivelan. 2014. Prevalence of bacterial isolates in textile dye effluent and analysis of its dye degrading efficiency. ***Middle - East Journal of Scientific Research***, (Accepted).
- 65) **P. Saranraj** and D. Stella. 2014. Composting of sugar mill wastes: A Review. ***World Applied Science Journal***, (Accepted) (Impact Factor – 0.234).
- 66) **P. Saranraj** and D. Stella. 2014. Lignite fly ash and Agriculture: A Review. ***World Applied Science Journal***, (Accepted) (Impact Factor – 0.234).
- 67) P. Sivasakthivelan, **P. Saranraj**, D. Sujitha and S. Sivasakthi. 2014. Effect of sucrose on microbial pectin esterase and pectate lyase activity. ***African Journal of Microbiology Research***, (NSSA Rating – 6.00) (Impact factor – 0.54), (Accepted).
- 68) K. Kolanjinathan and **P. Saranraj**. 2014. Pharmacological activity of mangrove medicinal plants against pathogenic bacteria and fungi. ***Journal of Medicinal Plant Research***, (Impact factor – 0.60) (Accepted).

BOOKS PUBLISHED (INTERNATIONAL) (MONOGRAPH)

- 1) **J.P. Saranraj** and D.Stella. 2012. "Optimization for cellulase production by *Aspergillus niger*" (ISBN 978-3-8484-9055-4), published by "**LAMBERT ACADEMIC PUBLICATION**", *Germany*.
- 2) G. Usharani, D. Stella and **J.P. Saranraj**. 2012. "Mass cultivation of *Spirulina platensis* using agroindustrial effluent" (ISBN 978-3-659-19459-7), published by "**LAMBERT ACADEMIC PUBLICATION**", *Germany*.
- 3) **J.P. Saranraj** and V. Sumathi. 2012. "Decolourization of Direct azo dyes by bacteria and fungi" (ISBN 978-3-659-30982-3), published by "**LAMBERT ACADEMIC PUBLICATION**", *Germany*.
- 4) D. Sekar, K. Kolanjinathan and **J.P. Saranraj**. 2012. "Indian medicinal plants and its antimicrobial activities" (ISBN 978-3-659-31067-6), published by "**LAMBERT ACADEMIC PUBLICATION**", *Germany*.
- 5) **J.P. Saranraj** and G. Usharani. 2012. "Recycling of Lignite fly ash for *Spirulina platensis* cultivation" (ISBN 978-3-659-31191-8), published by "**LAMBERT ACADEMIC PUBLICATION**", *Germany*.
- 6) S. Kavikarunya and **J. P. Saranraj**. 2012. "Efficiency of bacterial isolates in the degradation of pesticides" (ISBN 978-3-659-30989-2), published by "**LAMBERT ACADEMIC PUBLICATION**", *Germany*.
- 7) K. Kolanjinathan, P. Ganesh and **J.P. Saranraj**. 2012. "Pharmacological importance of seaweeds" (ISBN - 978-3-659-31632-6), published by "**LAMBERT ACADEMIC PUBLICATION**", *Germany*.
- 8) D. Sangeetha, C. Uma and **J.P. Saranraj**. 2013. "Bioethanol production by *Saccharomyces cerevisiae*" (ISBN - 978-3-659-45926-6), published by "**LAMBERT ACADEMIC PUBLICATION**", *Germany*.
- 9) **J.P. Saranraj** and S. Sivasakthi. 2013. "Recycling of Sugar mill effluent for cultivation of *Spirulina platensis*" (ISBN - 978-3-659-48346-2), published by "**LAMBERT ACADEMIC PUBLICATION**", *Germany*.

- 10) **J.P. Saranraj**, M. Jayanthi and D. Kanchana. 2013. "Bioremediation of Tannery effluent by *Enterococcus casseliflavus*" (ISBN - 978-3-659-49305-8), published by "**LAMBERT ACADEMIC PUBLICATION**", **Germany**.
- 11) M. Jayanthi, D. Kanchana and **J.P. Saranraj**. 2013. "Fungal Bioadsorption of Chromium in Tannery effluent" (ISBN - 978-3-659-51759-4), published by "**LAMBERT ACADEMIC PUBLICATION**", **Germany**.
- 12) **P. Saranraj** and D. Stella. 2014. "Microbial composting of sugar mill wastes". (ISBN - 978-3-659-28307-9), published by "**LAMBERT ACADEMIC PUBLICATION**", **Germany**.
- 13) M. Jayanthi, D. Kanchana and **J.P. Saranraj**. 2014. Chromium removal in Tannery effluent by bacterial isolates. "**LAMBERT ACADEMIC PUBLICATION**", **Germany**.

BOOK CHAPTERS

1) P. Saranraj and D. Stella.

- **Book Name** - Biodiversity: Issues, Impacts, Remediation and Significance.
- **Year** - 2013
- **ISBN Number** - 978 - 93 - 80820 - 17 - 0
- **Publisher** - VL Media Solutions, New Delhi - 110 059, India.
- **Chapter** - 31
- **Title** - Biodiversity of Plant Growth Promoting Rhizobacteria (PGPR) in Mangrove ecosystem: A Review.
- **Page Number** - 400 to 408.

DETAILS OF 16S rRNA DEPOSITED IN THE GENBANK (EMBL - European Molecular Biology Laboratory)

S. No	MICROBIAL TAXA USED FOR 16S rRNA SEQUENCING	GENBANK ACCESSION NUMBERS (EMBL)
Bacteria		
1	<i>Proteus mirabilis</i>	KC731476
2	<i>Bacillus subtilis</i>	KC731477
3	<i>Bacillus weihenstephanensis</i>	KC731478
4	<i>Brevibacterium halotolerans</i>	KC731479
5	<i>Serratia marcescens</i>	KC731480
6	<i>Enterobacter asburiae</i>	KC731481

CONFERENCES AND SEMINARS ATTENDED

- 1) "BATTLING PLASMODIA" Seminar on Malaria at Stanley Medical College, Chennai. 2005.
- 2) "AURA -06" Annual District Rotract Conference. 2006.
- 3) "ABHISYAN - 07" Seminar on Human and wild life at Madras Christian College, Tambaram. 2007.
- 4) Seminar on "Recent Advances in Science" at Madras University" Chennai. 2008.
- 5) International Workshop on Bioengineering at SRM School of Biotechnology, Potheri. 2008.
- 6) UGC Sponsored National Conference, Recent trends in Bioscience organized by Department of Zoology, Annamalai University, Chidambaram. 2009.
- 7) UGC Sponsored National Conference on "Advances in Environmental Research: An Interdisciplinary Approach" organized by Department of

Zoology, Annamalai University, Chidambaram. 2011.

- 8) ICMR Sponsored National Level Forum on “Emerging Debates on Communicable Diseases” organized by Department of Microbiology, Jamal Mohamed College, Tiruchirappalli. 2011.
- 9) National Congress on Bioscience Research organized by, Department of Microbiology, Ethiraj College for women, Chennai. 2011.
- 10) International conference on “Microbiology for better tomorrow” organized by Dhanalakshmi Srinivasan Arts and Science College for Women, Perambalur. 2011.
- 11) “9th National Conference of India Association of Applied Microbiologists on Current Trends in Microbial Technology (CTMT)” conducted by Periyar University, Salem. 2011.
- 12) National Level Conference on “Future Scenario of Food Nanotechnology” organized by Department of Microbiology, A.V.C College (Autonomous), Mayiladuthurai. 2012.
- 13) National Seminar on “Global Environmental Issues and Remediation Technology (GEIRT)” organized by Department of Environmental Science, Periyar University, Salem. 2012.
- 14) National Conference on “Microbiological Research in 21st Century” organized by Department of Microbiology, School of Life Sciences, Bharathidhasan University, Tiruchirappalli. 2012.
- 15) UGC, ICMR and MOES sponsored National Conference on “Environment, Biodiversity and Bioethics current trends and future perspectives – 2012” organized by Annamalai University, Chidambaram. 2012.
- 16) National Conference on “Advances in Modern Biology and Environment” organized by Department of Zoology, H.H. Rajah’s Government College (Autonomous B), Pudukkottai. 2013.
- 17) DBT & Ministry of Science and Technology sponsored National Seminar on “Emerging Trends in Microbial Biotechnology” organized by Kanchi Shri Krishna College of Arts and Science, Kilambi, Kanchipuram. 2013.

- 18) UGC sponsored National Seminar on Recent Trends in Bioactive Substances organized by P.G and Research Department of Botany, Government Arts College, Karur. 2013.
- 19) National Seminar on Golden Thoughts on Current Microbiology Research organized by Department of Microbiology, Annamalai University, Chidambaram. 2013.
- 20) National Seminar on Farming Systems – 2013 organized by Department of Agronomy, Annamalai University, Chidambaram. 2013.
- 21) 23rd ASMSBC (I) AND NCPMRC – 2013 organized by Department of Biochemistry and Biotechnology, Annamalai University, Chidambaram. 2013.
- 22) UGC Sponsored National Seminar on “Frontiers in Applied Microbiology – 2014 (FIAM – 2014)” organized by Department of Microbiology, Annamalai University, Chidambaram – 608 002. 2014.
- 23) DBT sponsored National Seminar on “Recent Advances in Biotechnology and Applied Microbiology” organized by Kanchi Shri Krishna College of Arts and Science, Kilambi, Kanchipuram. 2014.
- 24) National level conference on “Advances in Marine Bioscience & Technology, Current Status, Prospectus and Challenges” organized by Department of Biotechnology, AMET University, Kanathur, Chennai. 2014.
- 25) UGC sponsored National Seminar on “Integrated Approaches for Sustainable Agriculture” organized by Department of Agronomy, Annamalai University, Chidambaram. 2014.

PAPERS PRESENTED IN SEMINARS AND CONFERENCES

S. No	Conferences and Year	Title of the presented papers
1	“BATTLING PLASMODIA” Seminar on Malaria at Stanley Medical College, Chennai. (2005)	Modern laboratory methods for the identification of malarial infections.
2	UGC Sponsored National Conference, Recent trends in Bioscience at Annamalai University, Chidambaram. (2009)	Antibacterial potentiality of Ethanol and Ethyl acetate extract of <i>Acalypha indica</i> against human pathogenic bacteria.
3	UGC Sponsored National Conference on “Advances in Environmental Research: An Interdisciplinary Approach” at Annamalai University, Chidambaram. (2011).	Emulsification properties of the <i>Pseudomonas aeruginosa</i> Biosurfactant – Rhamnolipid.
4	ICMR Sponsored National Level Forum on “Emerging Debates on Communicable Diseases” at Jamal Mohamed College, Tiruchirappalli. (2011).	Production and optimization of Hyaluronic acid extracted from isolates of <i>Streptococcus pyogenes</i>
5	National Congress on Bioscience Research conducted by Ethiraj College for women, Chennai. (2011).	<i>In vitro</i> cultivation of <i>Spirulina platensis</i> using Lignite fly ash supplementation.
6	International conference on “Microbiology for better tomorrow” conducted by Dhanalakshmi Srinivasan Arts and Science College for Women, Perambalur. (2011).	Composting of sugar mill wastes through treatment with microorganisms and subsequent vermicomposting.
7	“9 th National Conference of India Association of Applied Microbiologists on Current Trends in Microbial Technology (CTMT)” conducted by Periyar University, Salem. (2011).	Pharmacological screening of <i>Datura metel</i> and <i>Acalypha indica</i> for its Antifungal activity against fungal pathogens.
8	National Level Conference on “Future Scenario of Food Nanotechnology” in A.V.C College (Autonomous), Mayiladuthurai. (2012).	Effect of weak acid preservatives for the preservation of fungal spoilage in Bakery products.

S. No	Conferences and Year	Title of the presented papers
9	National Seminar on “Global Environmental Issues and Remediation Technology (GEIRT)” conducted by Department of Environmental Science, Periyar University, Salem. (2012).	Bacterial decolourization and biodegradation of Textile dyes Congo Red and Direct Green
10	National Seminar on “Global Environmental Issues and Remediation Technology (GEIRT)” conducted by Department of Environmental Science, Periyar University, Salem. (2012).	Diversity of fungal isolates in effluents of sugar industries in Cuddalore District.
11	National Conference on “Microbiological Research in 21 st Century” organized by Department of Microbiology, Bharathidhasan University, Tiruchirappalli. (2012).	Bioadsorption of heavy metal Chromium by <i>Sphingobium</i> sp. isolated from Tannery effluent.
12	UGC, ICMR and MOES sponsored National Conference on “Environment, Biodiversity and Bioethics current trends and future perspectives – 2012” conducted by Annamalai University, Chidambaram. (2012).	Effect of cellulolytic fungi for the degradation of cellulosic agricultural wastes.
13	National Conference on “Advances in Modern Biology and Environment” organized by Department of Zoology, H.H. Rajah’s Government College (Autonomous B), Pudukkottai. 2013.	Biodegradation and decolourization of textile azo dye (Congo red) by bacteria isolated from textile dye effluent.

S. No	Conferences and Year	Title of the presented papers
14	DBT & Ministry of Science and Technology sponsored National Seminar on "Emerging Trends in Microbial Biotechnology" organized by Kanchi Shri Krishna College of Arts and Science, Kilambi, Kanchipuram. 2013.	Decolourization of textile dyes and dye effluent using White Rot Fungi.
15	UGC sponsored National Seminar on Recent Trends in Bioactive Substances organized by P.G and Research Department of Botany, Government Arts College, Karur. 2013.	Fungal decolourization of textile dyes.
16	National Seminar on Golden Thoughts on Current Microbiology Research organized by Department of Microbiology, Annamalai University, Chidambaram. 2013.	Decolourization and degradation of Direct azo dyes by using bacteria isolated from textile dye effluent.
17	National Seminar on Farming Systems - 2013 organized by Department of Agronomy, Annamalai University, Chidambaram. 2013.	Prevalence and production of plant growth promoting substance by <i>Pseudomonas fluorescens</i> isolated from paddy rhizosphere soil of Cuddalore district, Tamil Nadu, India.
18	UGC Sponsored National Seminar on "Frontiers in Applied Microbiology - 2014 (FIAM - 2014)" organized by Department of Microbiology, Annamalai University, Chidambaram - 608 002. 2014	Bioremediation of sugar mill effluent by immobilized bacterial consortium.
19	DBT sponsored National Seminar on "Recent Advances in Biotechnology and Applied Microbiology" organized by Kanchi Shri Krishna College of Arts and Science, Kilambi, Kanchipuram. 2014.	Enzymes involved in the decolourization and degradation of textile azo dyes

S. No	Conferences and Year	Title of the presented papers
20	National level conference on “Advances in Marine Bioscience & Technology, Current Status, Prospectus and Challenges” organized by Department of Biotechnology, AMET University, Kanathur, Chennai. 2014.	Antimicrobial activity of <i>Gracilaria crassa</i> extracts against pathogenic microorganisms
21	UGC sponsored National Seminar on “Integrated Approaches for Sustainable Agriculture” organized by Department of Agronomy, Annamalai University, Chidambaram. 2014.	Microbial composting of sugar mill wastes

AWARDS AND PRIZES RECEIVED

- 1) **“Rajah’s Young Scientist Award - 2013”** for the Best Research Paper given by H.H. Rajah’s Government College (Autonomous B), Pudukkottai.
- 2) **“Best Review Paper of the year - 2011”** entitled “Antibiogram of nosocomial infection and its antimicrobial drug resistance” given by *International Journal of Pharmacology and Biological Archives*.
- 3) First prize in **“English essay writing competition - 2012”** conducted by Department of Microbiology, Annamalai University, Chidambaram.
- 4) First prize in **“QUIZ competition - 2012”** conducted by Department of Microbiology, Annamalai University, Chidambaram.
- 5) Third prize in **“Tamil poem writing competition - 2005”** conducted by Department of Tamil, SRM Arts and Science College, Potheri.
- 6) Special prize in **“Tamil poem writing competition - 2006”** conducted by Department of Tamil, SRM Arts and Science College, Potheri.
- 7) Second prize in **“Tamil poem writing competition - 2007”** conducted by Department of Tamil, SRM Arts and Science College, Potheri.
- 8) First prize in **“Tamil poem writing competition - 2008”** conducted by Department of Tamil, SRM Arts and Science College, Potheri.

POSITIONS IN AN INTERNATIONAL RESEARCH JOURNALS

S.No	INTERNATIONAL JOURNALS	POSITION
1	International Journal of Pharmaceutical and Biological Archives	Promotional Editor
2	Weekly Science Research Journal	Editorial Board Member
3	African Journal of Microbiology Research	Reviewer
4	Journal of Medicinal Plant Research	Reviewer
5	International Journal of Research in Chemistry and Environment	Reviewer
6	Global Journal of Traditional Medicinal System	Reviewer
7	Global Research Journal of Pharmaceutical Sciences	Reviewer
8	Global Research on Traditional Reports	Reviewer
9	Global Journal of Scientific Researchers	Editorial Board Member
10	CIB Tech Journal of Microbiology	Editorial Board Member
11	International Greener Journals	Reviewer
12	World Journal of Microbiology	Editorial Board Member

INDUSTRIAL VISIT

- ❖ AAVIN Dairy Industry – Solinganallur, Chennai.
- ❖ IICPT – Thanjore.

SPECIAL RESEARCH INTERESTS

- Environmental Microbiology
- Agricultural Microbiology
- Medical Microbiology
- Herbal plants based research
- *Spirulina* based research
- Effluent treatment based research

COMPUTER SKILLS

➤ Microsoft Office

Date :

Place:

(P.SARANRAJ)