



CURRICULUM VITAE

PERSONAL

Name : **Dr. S.VENKATESAN**
Designation : **Associate Professor**
Date of Birth : 7th May 1975
Sex : Male
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Educational Qualifications

Course	University/Institution	Duration	Subject	Class
Ph.D	Madurai Kamaraj University	2005-2010	Environmental Microbiology	Awarded June-2010
M.Sc	V.H.N.S.N.College, Virudhunagar	1995-1997	Microbiology	First
B.Sc	V.H.N.S.N.College, Virudhunagar	1992-1995	Botany	First

Title of Ph. D Thesis:

Studies on the Microbial Diversity of Megamalai forest in Westernghats, Tamilnadu, India.

Professional Experience

Designation	Institution / University	Period
Lecturer	H.K.R.H.College, Uthamapalayam, Theni Dt	15.07.98 to 31.06.06
Assistant Professor	V.H.N.S.N.College, Virudhunagar	13.07.06 to 02.08.13
Associate Professor	Periyar University, Salem	05.08.13 to Till Date

Rank / Fellowship / Distinction/Honors

1. Received best teacher Award in V.H.N.S.N. College, Virudhunagar for the Academic year 2011-2012.

Membership in the Professional Bodies:

- **Chairman**, Board of Studies in Environmental Science, Periyar University, Salem
- **Member**, Board of Studies in Microbiology, V.H.N.S.N.College, Virudhunagar
- **Member**, Board of Studies in Microbiology, V.V.V.College for Women, Virudhunagar
- **Member**, Board of Studies in Microbiology, S.F.R.College for Women, Sivakasi
- **Member**, Board of Studies in Microbiology, Sourastra College, Madurai
- **Member**, Board of Studies in Microbiology, H.K.R.H.College, Uthamapalayam
- **Member**, Board of Studies in Microbiology, Vivekananda College, Tiruchengode
- **Member**, Academic Council of Periyar University, Salem.
- **Member** of Internal Quality Assurance Cell (IQAC), Periyar University, Salem from May 2014 to till date.
- **Member** of National Assessment Accreditation Council (NAAC), Periyar University, Salem from July 2014 to till date.
- **Member**, Swami Vivekananda studies, Periyar University, Salem from Oct 2013 to till date.

- **Member**, RUSA, Periyar University, Salem from May 2014 to till date.
- **Member**, Research Advisory Committee, Periyar University, Salem from August 2013 to till date.
- **Life member** in Association of Applied Microbiologist in India

RESEARCH AND CONSULTANCY

RESEARCH:

1. Ongoing Research Projects

- a) Title : **Ecofriendly synthesis of AgNo₃ and AgI nanoparticles to the Management and Destablization of Biofilms forming bacteria (2013-2016)**
- b) Funding Agency: **UGC, India**
- c) Period: **Three Years (2013 - 2016)**
- d) Amount: **Indian Rupees 11, 39,000/- (Co-Principal Investigator)**

2. Student Projects Completed

- I a) Title: **Microbial production of nanoparticles an alternative way to chemical mediated synthesis**
- b) Funding Agency: **TNSCST**
- c) Period : **2009-2010**
- d) Amount: **Indian Rupees 10,000/-**

- II. a) Title : **Ecofriendly upcycling plastic dual microbial process of degradation of dumped non degradable PET in to the production of biodegradable bioplastic PHB.**
- b) Funding Agency: **TNSCST**
- c) Period : **2012-2013**
- d) Amount: **Indian Rupees 10,000/-**

RESEARCH WORKS AND CONSULTANT

i) Area of Research:

- a) Environmental Microbiology
- b) Microbial Diversity in Forest
- c) Macro fungal Diversity in forest

ii) Supervision:

a) M. Phil scholars: Eight (Completed)

b) Ph. D scholars: Two (Ongoing)

LEADERSHIP

1. **Convener** - National Seminar on Frontiers in Environmental Research and Applications (FERA-2014), Organized by Dept.of Environmental Science, Periyar University, Salem on Feb 18th, 2014.

2. **Convener** - National Workshop on Green Initiatives in Energy and Environment (GIEE-2014), Organized by Dept.of Environmental Science, Periyar University, Salem on Sep 11th, 2014.

3. **Convener** - Intercollegiate student seminar on Prospects of Microbial technology Organized by Dept.of Microbiology, V.H.N.S.N. college, Viruhunagar on Feb 24th, 2012.

4. **Co- ordinator** - Water Resource Management Cell, Periyar University, Salem from August 2014 to Till Date

5. **Co- ordinator**, Anti Ragging Committee Cell, Periyar University, Salem from August 2014 to Till Date

6. **Head i/c** - Department of Environmental Science, Periyar University, Salem from 5th Aug. 2013 to Till Date

PARTICIPATION IN CONFERENCES/SYMPOSIA/WORKSHOP

a) International Level:

1. Participated and Presented in the 12th International Congress of Ethanopharmacology, Organized by School of Natural product stuies held at Jadavpur University, Kolkatta from 16-12-2009 to 18-12-2009.

2. Participated and Presented in the International seminar on Microbes Elixir of life, Organized by Dept. of Microbiology held at Dr.MGR Janaki college of Arts and Science, Chennai from 28-10-2010 to 29-10-2010.

3. Participated and Presented in the International seminar on Emerging trends and innovative technologies in Biological sciences for a better tomorrow, Organized by Dept. of Biochemistry held at VVV college for Women, Virudhunagar on 27-08-2011.

4. Participated and Presented in the International conference on Food and Nutraceuticals, Organized by Dept. of Food Science held at Periyar University, Salem From 20-01-2011 to 22-01-2011.

5. Participated and Presented in the International Symposium on Changing etiology of Emerging Infectious diseases, Organized by Dept. of Microbiology held at Madras University, Chennai on 06-02-2013.

b) National Level:

1. Participated and Presented in the National seminar on trends in Bioprospecting-2012 organized by Dept. of Microbiology held at NMSSVN college, Madurai on 27-12-2012.

2. Participated and Presented in the National conference on Biodiversity conservation and sustainable utilization organized by Dept. of Botany held at PTMTM college, Kamuthi from 11-10-2012 to 12-10-2012.

3. Participated and Presented in the 12th Tamilnau science congress held at Periyar University, Salem from 23-08-2012 to 25-08-2012.

4. Participated and Presented in the National conference on Energy conservation and Renewable Energy technology organized by Dept. of Physics held at VHNSN college, Virudhunagar from 26-08-2011 to 27-08-2011.

5. Participated and Presented in the National seminar on Recent trends in Microbial technology with reference to Extremophiles organized by Dept. of Microbiology held at Periyar University, Salem from 21-10-2010 to 22-10-2010.

6. Participated and Presented in the National conference on Biodiversity for sustainable Development organized by School of Energy Sciences held at Madurai Kamaraj University, Madurai from 25-08-2010 to 27-08-2010.

7. Participated and Presented in the National seminar on Recent trends in Microbial Biotechnology organized by Dept. of Microbiology held at Kamaraj college, Tuticorin on 23-02-2008.

8. Participated and Presented in the National seminar on Revolutions in Microbiology organized by Dept. of Microbiology held at Nehru college, Coimbatore from 12-09-2007 to 13-09-2007

9. Participated and Presented in the National seminar on Recent advances in Modern Biology organized by Dept. of Biochemistry held at VHNSN college, Virudhunagar from 30-08-2007 to 31-08-2007.

10. Participated and Presented in the National conference on Forest Biodiversity Resources organized by School of Energy Sciences held at Madurai Kamaraj University, Madurai from 21-03-2006 to 22-03-2006.

11. Participated and Presented in the National seminar on Recent advances in Modern Biology organized by Dept. of Botany held at VHNSN college, Virudhunagar from 10-08-2006 to 11-08-2006.

12. Participated in the Workshop on Advanced Biochemical and Molecular techniques organized by Dept. of Biotechnology held at Sourashtra college, Madurai from 27-01-2009 to 30-01-2009.

13. Participated in the Workshop on Nanoscience and technology organized by Dept. of Botany held at VHNSN college, Virudhunagar from 11-08-2008 to 12-08-2008.

14. Participated in the Workshop on Research orientation for science lecturers held at VHNSN college, Virudhunagar on 17-04-2008.

15. Participated in the Workshop on Advanced training in Modern Biology organized by Dept. of Biotechnology held at SPK college, Alwarkurichi from 26-07-2007 to 28-07-2007.

16. Participated in the National level Workshop on Biosafety regulatory framework organized by School of Energy Sciences held at Madurai Kamaraj University, Madurai from 26-09-2007 to 28-09-2007.

17. Participated in the National level Workshop on Solid waste Management techniques organized by Dept. of Civil Engineering held at Mepco Schlink college, Sivakasi.

18. Participated in the National level Workshop on Fluorescent Microscopy organized by Dept. of Zoology held at Periyar University, Salem on 10-10-2013.

19. Participated in the National seminar on Trends in Protein Engineering organized by Dept. of Zoology held at Periyar University, Salem on 21-11-2013.

20. Participated in the National seminar on Current Zoology organized by Dept. of Zoology held at Periyar University, Salem on 21-01-2014.

21. Participated in the National level seminar on Current trends in Biodiversity Conservation and Forest Management organized by Dept. of Botany held at Periyar University, Salem from 06-01-2014 to 07-01-2014.

Research Publications

1. Ramakrishnan Ganesan, **S.Venkatesan** and Krishnaswamy Muthuchelian. 2014. In silico analysis of Costunolide Dependent Responses of ErbB Signaling Pathway. Int.J.Curr.Microbiol.App.Sci. Vol-3(9), 1045-1058

2. Kannan M, Dheeba B, Nageshwari K, Kannan K, **Venkatesan S**. 2014. Antibacterial and Antiobesity activities of Marine algae Gracilaria corticata and Spirulina platensis. International Journal of Pharmacy and Pharmaceutical Sciences. Vol 6, Issue 6.

3. Ganesan.R, **Venkatesan.S** and Muthuchelian. K.2014. Isolation, characterization and quantification of microbial pathogens from contaminated river water. Journal of Microb and Biochem inform. Vol-1 (1): 1001-1006.

4. Karuppaiya Vimala, Shenbagamoorthy Sundarraj, Manickam Paulpandi, **Srinivasan Vengatesan**, Soundarapandian Kannana. 2014. Green synthesized doxorubicin loaded zinc oxide nanoparticles regulates the Bax and Bcl-2 expression in breast and colon carcinoma. *Process Biochemistry*. Vol- 49, 160–172
5. M.Kannan, M.Susila, **S.Venkatesan**, K.Rajarathinam and A.J.A.Ranjit Singh. 2013. Substrate optimization and characterization of protease enzyme production by *A.niger*. *Journal for Bloomers of Research*. Vol- 5(2), 632-636
6. R.Ganesan, **S.Venkatesan** and K.Muthuchelian. 2012. Microbial Diversity analysis, sequence isolation and phylogenetic analysis of southindian Gundaru river basin. *International Journal of Current Research*. Vol- 4(12), 200-205
7. **S.Venkatesan**, M.Kirithika, I.Roselin, R.Ganesan and K.Muthuchelian. 2012. Comparative invitro and invivo study of three probiotic organisms, *Bifidobacterium sp.*, *Lactobacillus sp.*, *S. cerevisiae* and analyzing its improvement with the supplementation of prebiotics. *International Journal of Plant, Animal and Environmental Sciences*. Vol - 2(2), 94-106
8. **S.Venkatesan**, S.Karthiga , M.Kirithika, R.Ganesan and K.Muthuchelian. 2011. A novel approach for the microbial production and optimization of gold nanoparticles- an alternate approach to chemical synthesis. *International Journal of Applied biology and Pharmaceutical Technology*. Vol - 2(3), 165-177
9. **S.Venkatesan**, M.Kirithika, R. Rajapriya, R.Ganesan and K.Muthuchelian. 2011. Improvement of economic Phytoremediation with heavy metal tolerant Rhizosphere Bacteria. *International journal of Environmental sciences*. Vol 1(7), 1864-1873.
10. R.R.Authira, M.Kirithika, **S.Venkatesan**, R.Ganesan and K.Muthuchelian. 2011. Studies on invivo and invitro antagonistic activity of Probiotics against fish pathogens, *College Sadhana*, Vol – 4 (1), 271-275.
11. M.Manivannan, **S.Venkatesan**, M.Kirithika and K.Rajarathinam. 2011. Studies on Phosphate solubilizing microorganisms isolated from the rhizosphere soils of tomato and chilli, *College Sadhana*, Vol – 4 (1), 283-287.
12. **S.Venkatesan**, S.Nihamath beebijan, M.Kirithika and M.Kannan 2011. Studies on *Lactobacillus sp.*, the most beneficial microorganisms as probiotic and as corrosion inhibitor, *College Sadhana*, Vol – 3 (2), 125-130.
13. M. Kirithika, K. Rajarathinam and **S.Venkatesan**. 2011. Eco Friendly Biodegradable Polymer, Poly- β -Hydroxy Butyric Acid Production, Degradation and its Optimization Studies using *Alcaligenes Sp.* and *Pseudomonas Sp.* *Developmental Microbiology and Molecular Biology*. Vol 2 (1), 1-13.

14. **S.Venkatesan**, M.Kannan and M.Kirithika. 2009. Eco Friendly Biosurfactant Production, Characterization, Quantification and Its Role in Environment, College Sadhana, Vol – 2 (1), 40 - 45.
15. **S.Venkatesan**, R.Ganesan and K.Muthuchelian, 2009. Macrofungal Diversity in Megamalai Forest, Westernghats, Tamilnadu, India. Journal of Pure & Applied Microbiology, 3 (1) 319-2
16. M.Kannan, **S.Venkatesan**, and A.J.A.Ranjit Singh. 2009. Bacterial Studies on the Crude Extracts of *Rubia cordifolia* L College Sadhana, Vol – 1(1), 20 - 23.
17. **S.Venkatesan**, R.Ganesan and K.Muthuchelian. 2008. Isolation, Identification and Characterization of Melanin Pigment Production in *Streptomyces* from Megamalai Forest Soil. Ethnobotanical Leaflets. 12: 827-31.
18. C.Pitchairamu, **S.Venkatesan** and K.Muthuchelian. 2008. Liter Fungi Diversity in Piranmalai Forest, Eastern Ghats, Tamilnadu, India. Ethnobotanical Leaflets. 12: 750-57.