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## CURRICULUM VITAE

**Name** : **R.S.VIGNESHWARI**  
**Nationality** : Indian  
**Date of Birth** : 04.05.1981  
**Qualification** : **M.Sc., M.Phil.,Ph.D**  
**SLET QUALIFIED**  
**TOTAL EXPERIENCE** : **10 Years (teaching 7years, research 3 years)**  
**GUIDESHIP** : **Guided M.sc and M.phil projects.**  
Guided a candidate in sts-ICMR (2012).  
**Total No. of Papers Published** : **13**

### FUNDED PROJECT

Evaluation Of Antimicrobial Efficacy Of “Pure Hands”- A herbal hand Sanitizer- **Co Investigator**. Funded by Himalaya Drug Company.

### TRAININGS UNDERTAKEN

- UGC sponsored Refresher course on “ Techniques in Molecular Biology and Genomics” (2005)
- Participated in many national and international seminars and conferences.

### AWARDS

- Obtained University 4<sup>th</sup>rank in M.Sc (2003)
- Best Poster Award in SOZOCON 2011

**Education** : **Ph.D (Microbiology) 2017**  
**Characterization of Multiple Antibiotic Resistant *E.coli* in clinical and Marine Environmental Strains.**  
(Regular Srimad Andavan Arts and Science College)

***M.Phil*** (Biotechnology)

Bharathidasan University, Tiruchy  
[Nodular enhancement of leguminous plants using  
Rhizobium & Agrobacterium species]  
Passed in 2005  
Percentage of Marks:**74.3**

***M.Sc.***, Microbiology  
Bharathidasan University passed in 2003  
Obtained university **4<sup>th</sup> rank.**  
Percentage of Marks:**84.6**

***B.Sc.***, Microbiology,  
S.T.E.T.Womenscollege,Mannargudi  
(Bharathidasan University, Tiruchy).  
Passed in 2001  
Percentage of Marks:**74.3**

**Computer Skill** : Diploma in Client server Technology

**LANGUAGES KNOWN** : Tamil and English. Hindi (Read and write)

**TEACHING EXPERIENCE (7Years):**

- **Lecturer, Department of Microbiology, SRM Arts and science college,Kattangulathur,Chennai.**
- **Chennai medical college hospital and research centre, Trichy.**
- **Urnu Dhanalakshmi college.**

**SUBJECTS HANDLED**

- Fermentation Technology
- Industrial Microbiology
- General Microbiology
- Molecular Biology

- Marine Microbiology
- Bio Ethics
- Medical Parasitology
- R DNA technology and Biotechnology

**RESEARCH EXPERIENCE : 5Years (SRF 2 years, Ph.D 3 years)**

**Senior Research Fellow – Chennai Medical College Hospital & Research Centre,Trichy.**

**Project works**

- Heavy Metal(Lead)and antibiotic susceptibility profiles of *staphylococcus* sp isolated from Marine fish samples.(2019)
- The effect of cellular phone tower radiation on soil microbes.(2019)
- Molecular Analysis of Antimicrobial Resistance Pattern of clinical and environmental isolates of *Escherichia coli* (2012)
- Prevalance of bacterial vaginosis among women attending std clinic in a rural teaching hospital.(2012)
- Siderophore production and haemagglutination assay among uropathogenic E.coli.(2011)
- Bacteriological contamination of mobile phones and hand washing habit among rural population.(2011)
- Microbial flora in operation theatres and intensive care units.(2011)
- Microbiological studies of nasal flora among the medical students before and after exposure to formalin in the dissection hall.(2011)
- Asymptomatic bacteriuria among rural antenatal women.(2011)
- Isolation,Partial Characterization and Purification of Bacteriocinproduced by *Lactobacillus plantarum* and *L .brevis* (2007).
- Comparison of Lipase production by Bacillus spp. isolated from various sources and partial characterization and purification. (2007).
- Studies on Antibiotic resistance of *E.coli*isolates obtained from four different healthy domestic animals.(2006).
- Isolation, optimization and partial purification of alkaline protease from an Estuary isolate of *Aspergillus niger*. (2007)
- The seroprevalence study of Hepatitis B & C and syphilis among the irular tribal population of Tamilnadu.(2003)

## PROGRAMME ORGANIZED

S.No.	Programme	Place & Sponsor	Date(s)	Position
1.	Two day workshop on <b>Neglected Tropical Diseases</b>	CMCH & RC, Trichy & Indian Academy of Sciences, Bengaluru	26 <sup>th</sup> & 27 <sup>th</sup> Nov 2012	Organizing Member
2.	One Day CME on “Vaccines”	CMCH & RC, Trichy	20 <sup>th</sup> July 2012	Organizing Member
3.	World AIDS Day	CMCH & RC, Trichy	Dec 1 <sup>st</sup> – 2010, 2011, 2012	Organizing Member
4.	General Health Checkup camp for commercial sex workers	Kajamalai, Trichy	24th July	Organizing Member

## POSTER PRESENTATIONS

**ABSTRACT PUBLISHED IN BMC** Proceedings International Conference on Prevention & Infection Control (ICPIC 2011) Geneva, Switzerland. 29 June – 2 July 2011

1. Antimicrobial resistance pattern of gram negative bacteria to 3rd and 4th generation Cephalosporins in rural and urban centres. BMC Proceedings 2011, 5(Suppl 6):P146<https://b-com.mci-group.com/Registration/ICPIC11.aspx>.
2. Indian superbug: analysis of laypress reports. BMC Proceedings 2011, 5(Suppl 6):P301<https://b-com.mci-group.com/Registration/ICPIC11.aspx>.
3. Isolation, Partial Purification and anti microbial activity of plantaricin against clinical isolates of Gram positive & Gram negative Bacteria. SOZOCON 2011.

## LIST OF PUBLICATIONS

1. Antimicrobial Resistant Pattern of Gram Negative Bacteria to Third Generation Cephalosporins in Rural and Urban Centers of Tamilnadu, India. *International Journal of Biological Technology* (2012) 3(1):1-7

2. Virulence markers of Uropathogenic *Esherichia coli* for Trojan- horse drug delivery. **Int.J.Biological Technology (2012) 3(3):1-5**
3. Antimutagenic effects of compounds obtained from *Eclipta alba linn* against strains of *Salmonella typhimurium* .**International Journal of bioassays.(2012) 1(10), 101-06.**
4. Feasibility of examining bleach – ammonium sulphate processed sediment smears for acid fast bacilli- **International journal of research in pharmaceutical and biomedical sciences**
5. Prevalence of asymptomatic bacteriuria among antenatal women in rural tertiary care hospital, tamilnadu - **International journal of current microbiology and applied sciences.**
6. Nasal floral changes among medical students on exposure to formaldehyde. **Int.J.Curr.Microbiol.App.Sci (2013) 2(6): 246-253.**
7. Comparison of attitude of healthcare professionals and experience of HIV patients towards HIV/AIDS related stigma and discrimination.**Int.J.Curr.Microbiol.App.Sci (2013) 2(7):**
8. Role of probiotics in the treatment of bacterial vaginosis. **International Journal of Scientific & Technology Research (2014) 3(4).**
9. Utilization of Non steroidal anti inflammatory drugs in rural teaching hospital, Tamilnadu,south India. **UJP (2014), 3(1):115-119.**
10. Assesment of antimicrobial utilization, Prescribing pattern among health care professionals at a tertiary care rural teaching hospital in southern India. **BJPR (2014) 4(10).**
11. Antibiotic resistant patterns and plasmid profile of *E.coli* strains isolated from clinical samples of Cuddalore district, Tamilnadu. **Int. J. Adv. Res. Biol.Sci. 2(6): (2015): 121–128.**
12. Multidrug resistant and extended spectrum  $\beta$ -lactamase producing *E.coli* isolated from coastal waters of Bay of Bengal. **International Journal of Advanced Multidisciplinary Research 2(8): (2015): 88–97.**
13. Screening of Antibacterial Activity of Marine Sponges Extract Against Clinically significant MDR Pathogens. **Indian Journal of Applied Research (2014) 4(9).**
14. Control of multidrug resistant *E.coli* strains using Bacteriocin produced from *Lactobacillus plantarum*. R.S.Vigneshwari . **Indian Journal of Applied research,2016,6(11):54-56.**