



Mobile

PROFESSIONAL OBJECTIVE

- To associate with an organization which progresses dynamically, challenges and allows me to explore and exploit new technologies and utilize my talents in the field of Microbiology.
- To develop, implement and monitor a personal continuing education strategy.
- To work beneath a strict deadline and capable to take solid decisions in time.

PERSONAL INFORMATION

- Date of Birth : 2nd October 1987
- Sex : Female
- Nationality : Indian
- Marital Status : Married
- Languages of fluency : English, Malayalam and Tamil
- Postal address :
Kerala, India

CURRICULAM VITAE

SCHOLASTIC RECORD

<u>Exam Passed</u>	<u>INSTITUTION</u>	<u>YEAR</u>	<u>PERCENTAGE</u>
Ph.D.(Microbiology)	Nehru Arts and Science College, Bharathiar University, Coimbatore. Tamil Nadu.	2011- 2014	Thesis Submitted
M.Sc. (Microbiology)	Sree Narayana Guru College of Arts and Science, Bharathiar University, Coimbatore, Tamil Nadu.	2010	74.8 %
PG Diploma (Quality Assurance in Microbiology)	Sree Narayana Guru College of Arts and Science, Bharathiar University, Coimbatore, Tamil Nadu.	2010	72.8 %

B.Sc (Microbiology)	Sree Narayana Guru College of Arts and Science, Bharathiar University, Coimbatore, Tamil Nadu,	2008	71.2 %
+ 2 (Biology)	Bethany St. John's English Higher Secondary School, Kunnamkulam, Thrissur, Kerala State Board.	2005	73.5 %
10 th	L.I.G.H.S., Choondal, Thrissur, Kerala State Board.	2003	82.0 %

TECHNICAL & SCIENTIFIC PROFICIENCY

- **Microbiology**- Staining Techniques, Media Preparation, Sterilization, Pure Culture Techniques, Biochemical Assay, Anaerobic Culture Technique, and Screening of Microbes, Wine Production, and MBRT Test.
- **Molecular biology**- Isolation of DNA (plasmid, plant), SDS-PAGE.
- **Biochemistry**- Qualitative and Quantitative Analysis of Carbohydrates, Proteins, Amino acids, Inorganic and organic salt Estimation, Chromatography.
- **Immunology**- ASD-Latex Test, ELISA Test, Widal test, RA Test, CRP Test, VDRL Test, Immunodiffusion, Blood Grouping and Differential Cell count.
- **Environmental microbiology**- Water Quality Tests, Determination of BOD.
- **Medical Microbiology**- Isolation and Identification of Clinical Specimens from systems, Sample collection Techniques.
- **Pharmaceutical Science**- Handling of laboratory animals (Mice, Rat).

AREAS OF INTEREST

- Food Microbiology
- Medical Microbiology
- Immunology
- Environmental Microbiology
- Agricultural Microbiology
- Molecular Biology
- Pharmaceutical Science

MY STRENGTHS

- Determination to learn; diligence at work.
- Communication skills
- Receptive to new ideas and learning
- Cheerful and sanguine approach to life
- Punctuality
- Like to work in a team
- Quick learner

PERSONAL ACCOMPLISHMENTS

WORK EXPERIENCE

1. Have one year experience as Hygiene Officer in Kerala Bamboo House Royal Beach Resort, Varkkala and aware of HACCP management programme and food safety.
2. Handled theory and practical classes in Microbiology to both B.Sc. and M.Sc. students of Nehru Arts and Science College throughout my research period.
3. Worked as Microbiologist (Trainee), from 1-07-2010 to 30-03-2011 in Polyclinic Pvt. Ltd., an ISO 9001-2000 certified company, Town Hall Road, Thrissur.

COMPUTER SKILLS

- Operating Systems: MS Windows 2000
- Programs: MS Office.

ACADEMIC PROJECT

- Ph.D. Microbiology (Thesis Submitted): Studies on Gut Microbiome and Coelomic Fluid of Earthworm *Eudrilus eugeniae* and their Therapeutic Applications
- M.Sc. Project: Studies on Biofilm

WORKSHOPS AND TRAINING

1. Completed a Laboratory training for 15 days in Doctor's Lab, Kunnankulam, during the year 2006-2007.
2. Completed a short term course on "**Mushroom Technology**" at 'Sree Narayana Guru College', Coimbatore, during the year 2009-2010.
3. Has successfully passed the "**HACCP (Hazard Analysis and Critical Control Point) Awareness Training Programme**", conducted by INDOCERT at Training Centre, Aluva from 10th June 2010 to 12th June 2010.
4. Has participated and successfully completed one day training programme on "**Mushroom Cultivation**" held at the Agricultural College and Research Institute, Coimbatore on 05-07-2011.
5. Has participated in the All India Workshop on "**Research Methodology for Research Scholars**" held at the Pondicherry University-Academic Staff College, Puducherry from 04-08-2011 to 05-08-2011.
6. Carried out an "***In-vivo* acute toxicity and anti-inflammatory studies**" in KMCH College of Pharmacy, Coimbatore, under the guidance of G. Ariharasivakumar, Professor, Department of Pharmacology, during the period of December 2012 to March 2013.
7. Carried out "**RSPH (Royal Society for Public Health, UK) Level 3 Training, HACCP for Food Manufacturing**", conducted by INDOCERT at Training Centre, Aluva from October 17-19, 2014.

SEMINARS ATTENDED

1. Participated in a National Conference on **“Innovative Approaches In Bio- Sciences”** Organized by **Department of Microbiology**, ‘Sree Narayana Guru College’, Coimbatore held on 27th February 2009 & 26th February 2010.
2. Participated in a National conference on **“Current Trends in Advanced Biomedical Technology (CTAB-2011)”** held on 20th and 21st September 2011, organized by Department of Bioscience, Nehru Arts and Science College, Coimbatore.
3. Has participated in a National level seminar on **“Bio-Safety Management and Good Laboratory Practices”** held on 4th February, 2012 conducted by PG & Research Department of Biotechnology, Kongunadu Arts and Science College, Coimbatore.
4. Participated in an One day ICMR Sponsored state level seminar on **“Emerging trends in Herbal research & Cancer therapy”** organized by KMCH College of Pharmacy on 26th of June 2012.
5. Participated in a one day Symposium on **“Leveraging Academic Research with Intellectual Property Rights”** held on November 28, 2012, Sponsored by Department of Information Technology, Government of India and organized by Department of Biotechnology, PSG College of Technology, Coimbatore.
6. Participated in a National Seminar on **“The Applications of Chromatography for Bioscience Explorations Related to Defence Research”**, held on December 5-7, 2012, Sponsored by ER & IPR Division, DRDO, Ministry of Science, Govt. Of India and Organized by Dr. G.R. Damodaran College of Science, Coimbatore.
7. Participated in an International Conference on **“Biomolecular Forms and Functions”**, held at J.N. Tata Auditorium. Indian Institute of Science, Bangalore, India, on 8-11 January, 2013.

POSTER PRESENTATIONS

1. Presented a poster entitled **“The Uniqueness of microorganisms in the gut of earthworm, *Eudrilus eugeniae*”** in an International conference of Association of Microbiologists of India on **“Microbial Biotechnology for Sustainable Development”** Organized by Panjab University, Chandigarh, during the year 2011.
2. Presented a poster Entitled **“Bioprotective activity of *Araucaria columnaris* resin and its application”** and won second prize in an International Symposium held on August 7th and 8th 2012, conducted by Dr. N.G.P. Arts & Science College, Coimbatore.
3. Presented a poster entitled **“GC-MS Analysis of Phytocomponents in Resin of *Araucaria columnaris* (Cook Pine) and its Medical Uses”**, in the section of Agriculture/ Plant/ Forestry/ Environmental Sciences, during the Regional Science Congress on **“Science for Shaping the Future of India”**, held on December 15-16, 2012, Jointly Organized by Indian Science Congress Association, Coimbatore Chapter and Kongunadu Arts and Science College, Coimbatore.
4. Presented a poster entitled **“Evaluation of Earthworm powder (*Eudrilus eugeniae*) and its application in Cotton crepe bandage”** in the section

of Agriculture/ Plant/ Forestry/ Environmental Sciences, during the Regional Science Congress on **"Science for Shaping the Future of India"**, held on December 15-16, 2012, Jointly Organized by Indian Science Congress Association, Coimbatore Chapter and Kongunadu Arts and Science College, Coimbatore.

5. Presented a Poster entitled **"Evaluation of Angiogenic and Cytotoxic potential of Glycolipoprotein powder from earthworm *Eudrilus eugeniae*"** in an International conference on **"Emerging trends in Biotechnology 2014"** organized by Cochin University of Science and Technology, Kerala, during the year 2014.
6. Presented a Poster entitled **"Wound Healing Potential of *Cymbopogon citratus* in Wistar rats"** in an International Conference on **"Emerging Trends in Drug Discovery - AICADD 2014"** held on July 23 - 27, organised by Computational Chemistry Research Group, Computational Engineering and Networking, Amritha Vishwa Vidyapeetham, Amritanagar, Coimbatore.

PAPER PRESENTATIONS

1. Presented a paper entitled **"Extraction and partial purification of Pectin Lyase from *Aspergillus flavus*"** at 'Karpagam University', Coimbatore, during the year 2010.
2. Presented a paper entitled **"Biosynthesis of silver nanoparticles using *Eclipta alba* and *Alternanthera sessilis* and their antimicrobial efficacy"** and won second prize in a National level conference on "Innovative approaches in Biosciences" held on 15th February, 2012 conducted by Sree Narayana Guru College of Arts & Science, Coimbatore.
3. Presented a paper entitled **"Isolation and Characterization of Antibacterial Actinomycetes from Earthworm"** in an International Symposium held on August 7th and 8th 2012, conducted by Dr. N.G.P. Arts & Science College, Coimbatore.
4. Presented a paper entitled **"Green Synthesis of Silver Nanoparticles Using *Alternanthera sessilis* Leaf Extract and Their Applications in Medical field"** in an International Conference on Biotechnology and Biological Sciences organized by ICBBS 2012, Singapore.
5. Presented a paper entitled **"Screening of Earthworm (*Eudrilus eugeniae*) Gut as a Transient Microbial Habitat"**, in the section of New Biology/ Medical Sciences, during the Regional Science Congress on Science for Shaping the Future of India, held on December 15-16, 2012, Jointly Organized by Indian Science Congress Association, Coimbatore Chapter and Kongunadu Arts and Science College, Coimbatore.

HONORS AND AWARDS

1. Has **won 6th Rank** in the PCM Scholarship Examination conducted in the month of January 1994 at State level.
2. Presented a paper entitled **"Biosynthesis of silver nanoparticles using *Eclipta alba* and *Alternanthera sessilis* and their antimicrobial efficacy"** and **won second prize** in a National level conference on **"Innovative approaches in Biosciences"**

- held on 15th February, 2012 conducted by Sree Narayana Guru College of Arts & Science, Coimbatore.
- Presented a poster entitled **"Bioprotective activity of *Araucaria columnaris* resin and its application"** and **won second prize** in an International Symposium held on August 7th and 8th 2012, conducted by Dr. N.G.P. Arts & Science College, Coimbatore.
 - Successfully conducted Hands on Training in Microbiology Techniques, Organized by the Department of Microbiology, Nehru Arts and Science College, Coimbatore, on 12th and 13th February 2013.
 - A certificate of appreciation has been awarded for the research work done on quality of potable water in Coimbatore city for the 'Neer Naadi Project' to commemorate with World Water Day being celebrated on 22nd of March 2013.
 - Awarded as the "Best Research Scholar - 2014" by Nehru Arts and Science College, Coimbatore, Tamil Nadu.
 - Presented a poster entitled **"Wound Healing Potential of *Cymbopogon citratus* in Wistar rats"** and **received the best poster award** in an International Conference on **"Emerging Trends in Drug Discovery - AICADD 2014"** held on July 23 - 27, organised by Computational Chemistry Research Group, Computational Engineering and Networking, Amritha Vishwa Vidyapeetham, Amritanagar, Coimbatore.

PUBLICATIONS

- Published an article entitled **"Comparative Study on Chloroform and Aqueous extracts of *Mimusops elengi* and Its Pharmaceutical Application"** in an International journal of Research & Reviews: Journal of Herbal Science, Vol. 1(3), December 2012, ISSN: 2278 - 2257 @ STM Journals 2012. pp: 18-26.
- Published an article entitled **"Biosynthesis of Silver Nanoparticles using Leaf and Stem Extracts of *Eclipta alba* and their Medical Applications"** in an International journal of Research & Reviews: Journal of Botany, Vol. 2 (1), ISSN: 2278 - 2222 @ STM Journals 2013. pp: 1-9.
- Published an article entitled **"Green Synthesis of Silver Nanoparticles using *Alternanthera sessilis* Leaf Extract and their Applications in Medical Field"** in Proceedings of "World Academy of Science, Engineering and Technology". Issue 69, September 2012. pp: 392-398. ISSN: 2010 - 376X
- Published an article entitled **"GC-MS Analysis of Phytocomponents in Resin of *Araucaria Columnaris* (Cook Pine) and its Medicinal Uses."** in an International Journal of Applied biology and Pharmaceutical technology, vol. 4 (3), July-Sept- 2013, ISSN: 0976-4550. pp: 272-276.
- Published an article entitled **"Evaluation of Earthworm Powder (*Eudrilus eugeniae*) and its Application in Cotton Crepe Bandage"** in International journal of Bioassays, vol. 2 (9), ISSN: 2278- 778X. pp: 1250-1255.
- Published an article entitled **"A Study on *In vivo* Evaluation of Haemostatic Potential of Earthworm Powder (*Eudrilus Eugeniae*)"** in Asian Journal of Pharmacy and Life Science, Vol. 3 (2), April-June, 2013, ISSN: 2231 - 4423, pp: 91-98.
- Published an article entitled **"Phytochemical Screening and GC-MS Analysis of Bioactive Compounds from *Mimusops elengi*"** in Annals of Pharma Research, 2013, Vol. 01 (02), ISSN: 2347-1956, pp: 32-34.
- Published an article entitled **"Screening of Earthworm (*Eudrilus eugeniae*) Gut as a Transient Microbial Habitat"** in Advances in Zoology and Botany, Vol. 1(3), 2013, DOI: 10.13189/azb.2013.010301, pp: 53 - 56.
- Published an article entitled **"Study on antibacterial activity of natural dye from the bark of *Araucaria columnaris* and its application in textile cotton fabrics"** in Scholars Research Library -

- Journal of Microbiology and Biotechnology Research, Vol. 4 (3), ISSN: 2231 -3168, pp: 32 - 35.
10. Published an article entitled **“Isolation and Partial Characterization of Antagonistic Actinomycetes from Earthworm Gut”** in the World Journal of Pharmaceutical Research, Vol. 3 (9), ISSN: 2277- 7105.
11. An article entitled **“The Role of Red Pigment Prodigiosin from Bacteria of Earthworm Gut as an Anticancer Agent”** has been accepted for publication in the Journal of Microbiology, Biotechnology and Food Sciences, in the issue December- January 2014/15, Vol. 4 (3), ISSN: 1338 - 5178.

REFEREN

DECLARATION

I hereby declare that the above-mentioned details are true to the best of my knowledge and belief.

1. Dr. M. Thangavel

Head of the Department of Microbiology

Sree Narayana Guru College

Coimbatore

Tamil Nadu, India

2. G. Ariharasivakumar

Professor

Department of Pharmacology KMCH College
of Pharmacy Coimbatore

Tamil Nadu, India

(SRUTHY.P.B)