

## Bio-data



Name : **DR. SR. Y. YESU THANGAM**  
Designation : Secretary  
Annai Velankanni  
Polytechnic College  
Cuddalore Dt., Tamilnadu  
Date of Birth : 14. 02. 1956

## CONTACT DETAILS

: Annai Velankanni  
Polytecnic College  
Anguchettipalayam, Panruti  
Cuddalore Dt.  
Mobile : 9488631804.  
Email : sryesu@gmail.com.

## ACADEMIC

| S. No. | Degree                                      | University / Institution                              | Year of Completion |
|--------|---|---|--------------------|
| 1.     | B. Sc.<br>In Broad Field<br>Natural Science | Silver Lake College, Manitowoc, Wisconsin,<br>U.S.A.  | 1981               |
| 2.     | M. Sc. Chemistry                            | St. Joseph's College (Autonomous),<br>Tiruchirapalli. | 1984               |
| 3.     | M. Phil.<br>Chemistry                       | Madurai Kamaraj University, Madurai.                  | 1990               |
| 4.     | Ph. D. Chemistry                            | Madurai Kamaraj University, Madurai.                  | 2007               |

**Total Experience** : UG: 29 years PG: 05 years  
**Area of Specialization/Interest** : Natural Products Chemistry and Bio-Physical Chemistry  
**Professional Affiliation** : Secretary of Jayaraj Annapackiam College for Women  
(JAC), 2 years, from 1992-1993 to 1993-1994  
Principal of JAC, 6 years, from 2006-2007 to 2011-  
2012.

### **Member in Other Bodies:**

- Member of the Governing Body of Jayaraj Annapackiam College for Women (Autonomous), from 1992 June till date.
- Member of the Governing Council of Anbagam Trust, Madurai, from June 1998 to March 1999 and June 2006 till June 2012.
- Board Member of Xavier Board of Higher Education in India, from June 2007 till 2012.
- Vice-President of Tamil Nadu Region of Xavier Board of Higher Education in India, from June 2007 to 2012.
- Treasurer of the Consortium of Christian Minority Higher Educational Institutions (CCMHEI) Tamil Nadu, from January 2009 onwards.
- Member of the Governing Body of St. Anne's B.Ed College, Periyakulam, from 2009 to 2011 .
- Member of the NAAC Peer Team from 2009 to 2012.

### **Served as NAAC Peer Team Member:**

Invited by NAAC (National Assessment and Accreditation Council), Bangalore, to visit,

- Chitrathurga Govt. science college, Karnataka, as NAAC Peer Team Member, from 30<sup>th</sup> to 31<sup>st</sup> October, 2009
- Vijayanagar College, Karnataka, as NAAC Peer Team Coordinator, from 25<sup>th</sup> to 27<sup>th</sup> March, 2010
- Govt. College for Boys, Chinthamani, Karnataka, as NAAC Peer Team Member, from 24<sup>th</sup> to 25<sup>th</sup> Feb. 2011 and
- Government City College (Autonomous), Hyderabad, as NAAC Peer Team Coordinator from 09<sup>th</sup>-11<sup>th</sup> August, 2012, for accreditation.

### **Research Experience:**

#### **Projects undertaken:**

**Minor Project** : Corrosion Inhibition by Oxyanions

*Funding Agency* : UGC

*Period* : 1-2-2007 to 28-2-2009

**Major Project** : Evaluation of Novel Quinones as Phototherapeutic Agents.

*Funding Agency* : UGC

*Period* :18.08. 2011 to 18.08. 2014

#### **Research Guidance:**

*Ph.D. awarded* : Three candidates

## Publications:

1. **Y. Yesu Thangam**, M.A. Jothi Rajan, Arockiam Thaddeus, T. Nirmala, T.S. Vivekanandam, S. Umapathy, "Nanotechnology: A Boon to Humanity if Bioethics is practiced", *Challenges for Bioethics from Asia*, edited by Darryl R.J. Macer, Eubios Ethics Institute, Japan, 2004.
2. **Y. Yesu Thangam**, K.K. Mothilal, R. Gandhidasan, R. Murugesan, "Photodynamic action and antimicrobial activity of some excited metabolites of *Dalbergia sissooides* and their ability to cleave DNA", *Natural Product Communications*, 2, 2007, 159-168.
3. **Y. Yesu Thangam**, S. Pandian, K. Venkatesan, R. Gandhidasan, R. Murugesan, "Photogeneration of Reactive Oxygen Species and Photoinduced Plasmid DNA Cleavage by Novel Synthetic Chalcones", *Journal of Photochemistry and Photobiology B: Biology* 102, 2011, 200-208.
4. **Y. Yesu Thangam**, M. Kalanithi, C. Mary Anbarasi and S. Rajendran, "Inhibition of Corrosion of carbon steel in a Dam water by sodium molybdate-  $Zn^{2+}$  system", *The Arabian Journal for Science and Engineering*, 34, 2009, 49-60.
5. **Y. Yesu Thangam**, K. Southamani, M. Kalaimathi, M. Muthulakshmi and N. Nathiya, "Soil physico-chemical characteristics of barren and cultivated land at Thamaraikulam" *Journal of Ecotoxicology and Environmental Monitoring* 22(4), 2012, 369-373.
6. **Y. Yesu Thangam**, R. Anitha, B. Kavitha, Novel method to synthesize and characterize Zinc Sulfide nanoparticles, *Int. Journal of Applied Sciences and Engineering research*-Vol.1.no.2 April 2012.
7. **Y. Yesu Thangam**, R. Anitha, Surface Sol-Gel synthesis of Cadmium Sulfide fine particles in silica matrix, *Journal of Research in Nanobiotechnology*-July 2012, 1(1): 014-018.
8. M. Kalaimathi, R. Anitha, K. Southamani and **Y. Yesu Thangam**, Synthesis and Characterization of Metal (II) Complexes of n-(3-((4-methoxyphenylimino) (phenyl) methyl)-4-(4-chlorophenyl)but-3-en-2-ylidene)-4-methoxybenzenamine, *Journal of Chemistry and Chemical Science*, 7(10), 2017, pp.847-853.
9. M. Kalaimathi, K. Southamani, R. Anitha, **Y. Yesu Thangam**, Synthesis and characterisation of diketimine complex, *International Journal of Universal Pharmacy and Biosciences* ISSN.No.2319-8141.
10. M. Kalaimathi, K. Southamani, R. Anitha, **Y. Yesu Thangam**, Synthesis and Characterisation of Schiffbase metal (II) complexes derived from Benzoylacetone, *International Journal of Universal Pharmacy and biosciences*, 2016, pp. 158-164.

11. K. Southamani, R. Ebenezer, R. Anitha R, M. Kalaimathi and Y. **Yesu Thangam**, Synthesis, characterization and studies on metal (II) complexes of 2-methoxy-6-nitro-4-((thiazol-2-ylimino)methyl)phenol, *International Journal of Chemical and Pharmaceutical Sciences*, 2016, Vol. 7 (4), 1-9.
12. R. Anitha, M. Kalaimathi, K. Southamani, C. Sahayarani, and Y. **Yesu Thangam** Evaluation of Photosensitizing and Biological Activities of Quinones Containing Two Chromophores, *Journal of Chemistry and Chemical Sciences*, Vol.6(11), 1064-1073, 2016.
13. K. Southamani, R. Ebenezer, R. Anitha R, M. Kalaimathi and Y. **Yesu Thangam**, Synthesis, Characterization and Studies on Metal (II) Complexes of 4-(((1H-Tetrazol-5-YL)Imino)Methyl)- 2-Methoxy-6-Nitrophenol, *Journal of Chemistry and Chemical Sciences*, Vol.6(11), 1099-1111, 2016 .
14. R. Anitha, M. Kalaimathi, K. Southamani, C. Sahayarani, and Y. **Yesu Thangam** Photogeneration of Reactive Oxygen Species and Biological Activities of Two Quinones, *International journal of Scientific research and education*, 4 (10) 2016, 5928-5937.
15. K. Southamani, R. Ebenezer, R. Anitha R, M. Kalaimathi and Y. **Yesu Thangam**, Synthesis, Characterization and Studies on Metal (II) Complexes of 4-(((1h-1, 2, 4-Triazol-3-Yl) Imino) Methyl)-2-Methoxy-6-Nitrophenol, *International Journal for Pharmaceutical Research Scholars*, V-5, I-4, 2016.
16. M. Kalaimathi, K. Southamani, R. Anitha, and Y. **Yesu Thangam**, Evaluation of soil parameters for soils from Jayamangalam, Periyakulam and Aundipatty – A Case Study, *International journal of universal pharmacy and bio sciences*, 4(6): 2015, 8-16.
17. R. Anitha, K. Southamani, M. Kalaimathi and Y. **Yesu Thangam**, Green synthesis of zinc nanoparticles and their antimicrobial activity, *International journal of universal pharmacy and bio sciences*, 4(6): 2015, 46-56.
18. Y. **Yesuthangam** M. Kalaimathi, K. Southamani, R. Anitha, Synthesis and Characterisation of Diketimine Complex, *International Journal of Universal Pharmacy and Bio Sciences*, 5(3), 350-361, 2016.
19. M Kalaimathi, Y **YesuThangam**, R Ebenezer, R Anitha, Synthesis and Characterization of Zinc (II) Complex of Schiff Base Derived from p-Chlorobenzaldehyde, *Indian Journal of Advances in Chemical Science*, 9(3), 158-161, 2021.

## **Papers presented at the International and National conferences / seminars:**

### **Papers presented in abroad:**

1. "Photogeneration of reactive oxygen species from two bichromophoric quinones" was presented during the International Conference on Photochemistry, in Massachusetts, USA, from 20<sup>th</sup> to 25<sup>th</sup> July, 2003.
2. "Photogeneration of reactive oxygen species, Antimicrobial activity and Photo induced DNA Cleavage by 1, 4- quinones" was presented during the International Conference on Frontiers in Biological Catalysis, at Robinson College, Cambridge University Campus, United Kingdom, from 10<sup>th</sup>-12<sup>th</sup> January, 2012.

### **Papers presented in India:**

1. "Challenges for quality enhancement in Teachers Education" was presented during the National Seminar on "Challenges in Enhancement in Teachers Education" on 2<sup>nd</sup> & 3<sup>rd</sup> February, 2008, at St. Xavier College of Education, Kumbakonam.
2. "Challenges for Quality Initiative in Higher Education" was presented during the National Conference on Globalization and Future of Higher Education, on 2<sup>nd</sup> & 3<sup>rd</sup> February, 2008, at SNR Sons College, Coimbatore.
3. "Corrosion inhibition by sodium molybdate-Zn<sup>2+</sup> system in Sothuparai dam water" was presented during the National Seminar in Chemistry on 28.2.2008, at APA College for Women, Palani.
4. "Ethics for human values" was presented during the International Conference on Bioethics, from 24<sup>th</sup> to 26<sup>th</sup> September, 2008, at Mother Teresa Women's University, Kodaikanal.
5. "Synergistic effect of sodium molybdate Zn<sup>2+</sup> system on the corrosion inhibition of mild steel in Sothuparai Dam Water" was presented during the UGC, DRDO & CSIR sponsored National Seminar on Emerging Trends in Chemistry, on 25<sup>th</sup> July 2008, at C.P.A. College, Bodinayakanoor.
6. "Teaching, Learning and Evaluation – Challenges Ahead", was presented during the National Seminar on Quality Enhancement Strategy – towards Excellence, from 31<sup>st</sup> August to 1<sup>st</sup> September, 2009 at Yadava College, Madurai.
7. "Quality Enhancement and Sustenance in Higher Education" was presented during the NAAC sponsored National Conference on Quality and Relevance in Higher Education:

New Challenges, from 2<sup>nd</sup> to 3<sup>rd</sup> March 2009, at Jayaraj Annapackiam College for Women, Periyakulam.

8. "Photodynamic and EMR Spin Trapping Studies of Coumarins" was presented during the 3<sup>rd</sup> Asian Pacific Symposium on Radiation Chemistry, (APSRC-2010) and DAE BRNS 10<sup>th</sup> Biennial Trombay Symposium on Radiation Chemistry (TSRP-2010), 14<sup>th</sup> to 17<sup>th</sup> September, 2010, at Bhabha Atomic Research Centre, Mumbai.
9. "Antioxidant Analysis in Fruits" was presented during the International Conference on Innovations in Free radical Research and experimental therapeutics, from 7<sup>th</sup> to 9<sup>th</sup> December, 2011, at Karunya University, Coimbatore
10. "Challenges of Higher Education for the Development of Rural Students" was presented during the Enhancing the Quality of teaching and learning methods in higher education on 10<sup>th</sup> December, 2011, at Selvam Arts and Science College, Namakkal.
11. "Novel Method to synthesise and Characterize Zinc Sulfide Nanoparticles & Effect of Sulphonic acid functionalization of Vulcan XC-72 carbon black support of Pt/Vulcan XC-72 catalyst for methanol electro-oxidation studies" was presented during the National conference on Advanced Functional Materials and Applications, from 16<sup>th</sup> to 17<sup>th</sup> December, 2011, at Kalasalingam University, Krishnan Kovil.
12. "Synthesis and characterization of semiconductor cadmium sulfide nanoparticle by sol-gel method & Evaluation of soil parameters of barren and cultivated lands at Thamaraikulam, Tamil Nadu" was presented during the National conference on Modern Trends in Chemistry - MTC 2012, on 23<sup>rd</sup> February, 2012, at PSNA Engineering college, Dindigul.

#### **Awards:**

1. Educational Excellence Award from The Rotary Club of Theni, during July, 2008.
2. Environmental Awareness Award jointly given by the Khadhi and Village Industries Development Agency of India and Indian Institute of Ecology and Environment, New Delhi, on August 22, 2008.
3. Jewel of India Award by the Indian Solidarity Council, New Delhi, on 13<sup>th</sup> March, 2009.
4. Best educationist award by Indian Awarded the Eminent Citizen of India, by the National & International Compendium, New Delhi, in April, 2009.
5. Vidhya Shree Award by the Indian Society for Industry & Intellectual Development, New Delhi, in July, 2009.
6. International Status Award for Education Excellence by the Economic Growth Society of India, New Delhi, in August, 2009.
7. Goldstar award for Excellence in Education award by Integrated Council for Socio-Economic Progress-2010.

### **Served as Resource Person:**

1. Delivered an invited talk on “Biological Activities of Free Radicals” during the UGC sponsored State level seminar, organized by the Department of Chemistry, Arulanandar College, Karumathur, Madurai, on 27<sup>th</sup> February, 2008.
2. Delivered the Convocation Address and distributed the Diplomas during the Convocation at the SBT College of Education, Madurai, on 17<sup>th</sup> April, 2008.
3. Delivered the Keynote Address during the International Awareness Workshop and Training Course on Bioethics Education on 26<sup>th</sup> Sept. 2008, at Arulanandar College, Karumathur.
4. Conducted lectures on “Personality Development” and “Antioxidants and their biological role” during the Training on Science Programme for School Teachers, sponsored by the Tamilnadu State Council for Science & Technology, organized at Jayaraj Annapackiam College for Women, Periyakulam, from January 6-10, 2009.
5. Delivered an invited talk on “The Role of Free Radicals in Photodynamic Therapy” during the CSIR sponsored National Seminar, on Recent Trends in Chemistry-RTC-3, organized by the department of Chemistry, at Jayaraj Annapackiam College for Women, Periyakulam, on Feb. 27, 2009.
6. Conducted a seminar on The Role of Antioxidants in human health to the students of Selvam Arts & Science College, Namakkal, in the forenoon of 30<sup>th</sup> September 2009.
7. Conducted an Orientation on Teaching: A noble mission and College Autonomy to the staff of Selvam Arts & Science College, Namakkal, in the afternoon of 30<sup>th</sup> September, 2009.
8. Delivered an Invited talk on “Photogeneration of reactive oxygen species and photoinduced DNA cleavage from two bichromophoric quinones” during the 3<sup>rd</sup> International Symposium on Translational Cancer Research-2009, held in Bhubaneswar, Orissa, from Dec. 18-21, 2009.
9. Conducted an Orientation Programme on Values in Education to the students of N.S. College, Theni, on 18<sup>th</sup> August, 2010.
10. Delivered the Valedictory Address on Youth and Environmental Awareness during the three day Eco-Fest, at St. Mary’s College, Tuticorin, on 28<sup>th</sup> August, 2010.
11. Delivered a Lecture in the Orientation Programme on “Teaching – a noble mission” to the newly appointed Self financing Staff at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, on 20<sup>th</sup> July, 2010.

12. Delivered the Presidential Address in the YRC meeting in connection with “Geneva Conventions day” at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 5<sup>th</sup> August, 2010.
13. Delivered a Lecture on “Bio-diversity“ in the Chemistry Association meeting in commemoration of the year of Bio-diversity, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 21<sup>st</sup> December, 2010.
14. Delivered the Presidential Address in the State level competition for mentally challenged children organized by Anbagam, Madurai, on 29<sup>th</sup> January, 2011.
15. Delivered a Lecture on “Preparation of NAAC Accreditation and Teacher Education” to the staff and students at St. Aloysius College of Education, Royappanpatti, on 04.09.2011.
16. Delivered an Invited lecture on “Natural products for life enhancement” at Hajee Karutha Rowther Howdia College, Uthamapalayam, during a UGC sponsored National Conference on 15.03.2012.
17. Delivered the Presidential Address on College Day at SBT B.Ed. College, Madurai on 18.04.12.

**Countries visited:**

Italy, France, United Kingdom and U.S.A.

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