

# CURRICULUM VITAE

**M.MEKALA M.Sc., Ph.D.,**

**W/o T. Marimuthu**

**1/23 (2), South Garden,**

**Chiththiraikulam,**

**North Thathanayakanpatti (P.O)**

**Palani (T.K) - 624401**

**Dindigul District, Tamil Nadu, India**

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## Career Objective

To get a challenging position of lecture in which I can utilize my experience and make the bring carrier of students.

## Career Summary

- Proficient in developing new lessons and activities to expand learning opportunities.
- Extensive participation on committees and extracurricular activities.
- Excellent Knowledge of the subject and also has great Knowledge.
- Proficient in giving conceptual Knowledge.
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## Personal Qualities

- Excellent interpersonal skills.
- Strong analytical, logical skills.
- Excellent communication Skills in written and verbal both.
- Provide individualized instruction to keep all students at expected skill level.
- Identify and organize field trips to enhance curriculum.

## Academic Qualifications

- Ph.D Zoology (2014-2018)** : Department of Biology, Gandhigram Rural Institute - Deemed University, Gandhigram, Dindugal, Tamil Nadu.  
**Specialization:** Aqua culture and Nanotoxicology  
**Project:** Impact of Biologically and Chemically Synthesized Copper Oxide Nanoparticles on *Cyprinus Carpio*.
- M.Sc., ZOOLOGY (2011-2013)** : Department of Zoology, Arulmigu Palaniandavar Arts College for women(Autonomous) Mother Teresa Women's University, Kodaikanal, Dindigul, Tamil Nadu.

(CGPA: 7.2)

**B.Sc., ZOOLOGY (2008-2011)** : Department of , Zoology, Arulmigu Palaniandavar Arts College for women(Autonomous) Mother Teresa Women's University, Kodaikanal, Dindigul, Tamil Nadu. (CGPA: 7.1)

**HSC (2006-2008)** : Government Grils Higher Secondary School, Palani, Dindigul, Tamil Nadu (65.0%)

**SSLC (2005-2006)** : SI.T.O Higher Secondary School, Ayakudi, Palani, Dindigul, Tamil Nadu (66.0 %)

### Computer Knowledge

- Proficient in basic use of computer (DCA).
- Tally, DCFC
- Internet savvy.

### Awards and Honors

- ✂ **Awarded in best paper persentation** entitled "Green Synthesis and Characterization of Copper Nanoparticles Using Aqueous *Hyptis suaveolens* (Tulsi)extract" on 8<sup>th</sup> July, 2016 at at Selvam Arts and Science College (affiliated to periyar university), Namakkal.
- ✂ **Awarded in best Volunteers in 2013** by Department of Zoology, Arulmigu Palaniandavar Arts College for Women, Chinnakalayamputhur, Palani.

### Certification:

- ✂ **Attended the NCC (NATIONAL CADET CORPS) "combined annual training camp 2005- 2006"** on 23 Nov 2005 to 04 Dec 2005 at **Hajee Karutha Rowther Howdia College.**
- ✂ **Certify that has passed "Examination A" on 14 (Tamil nadu) BN NCC, Dindigul** held at 02 July 2006 under the authority of ministry of Defence, Government of India.
- ✂ **Certify that "the various Concurrent Programmes Organized under N.S.S and Completed Satisfactory two years of service during 2008 to 2010 in the National service scheme" on Arulmigu Palaniandauar Arts College for Women, Palani.**

- ✂ Participated in "the ten days Special camping programme" at Organized at Melkaripatti, Panampatti at 22.12.2008 to 31.12.2008 on Arulmigu Palaniandavar Arts College for Women, Palani.
- ✂ Certify that III Prize on "Nuclear energy, Nuclear Reactors and Their Safety – an overview" on 26 .12.2011 at Physical and Life Science Department , Arulmigu Palaniandavar Arts College for Women, Palani.

### Participated in National Conferences/seminars/ Workshops

- ♣ The National level work shop on "Optical characterization of materials- NWOCM- 2016" on 24.10 2016 at SPIE – Student chapter, Department of physics, Gandhigram Rural Institute- Deemed university, Gandhigram.
- ♣ The national level one day Seminar on " Eco Waste Management and Nanobiology-EWMN" on 20.10.2016 at Sir G.V.G Visalarshi College for women, Udumalpet. and presented a paper entitled "Bio Synthesis and characterization of *Cuscutta europaea* mediated Copper Oxide Nanoparticles and its antibacterial activity".
- ♣ The International conference "Biomolecules and their prospects" Biomolecules – 2016 on 08.07.2016 at Selvam Arts and Science College (affiliated to periyar university), Namakkal and presented a paper entitled "Synthesis and characterization of Copper Oxide Nanoparticles using leaf extract of *Hyptis suaveolens*".
- ♣ One day seminar on "Online Resources and Tools for Research on 14.11.2016 at Gandhigram Rural institute – deemed university Gandhigram, Dindigul.
- ♣ Attended the State level Workshop on "Application of statistical tools using SPSS hands on experience" on 11.02.2016 – 12.02.2016 at Kongunadu Arts and Science college, Coimbatore.
- ♣ The National level work shop on "hands –on training on COMET assay" on 24.02.2016 at PG and Research Department of Biotechnology, Kongunadu Arts and Science college.
- ♣ Attended the National Conference "Advance in Biological and Environment Science NCABES 2016" on 25.02. 2016 – 26. 02. 2016 at Gandhigram Rural

- institute – deemed university, Gandhigram, Dindigul and presented a paper entitled “ Green Synthesis and characterization of Copper Oxide Nanoparticles using Aqueous leaf extract of *Hyptis suaveolens*”.
- ♣ The International conference “Reasserting Microbial Biotechnology to Deflate Global Disease burden – RMBT’15” on 28.09.2015-29.09.2015 at Manonmaniam Sundaranar University, Tirunelveli and presented a paper entitled “Synthesis and characterization of Copper Oxide Nanoparticles using Aqueous leaf extract of *Ocimum sanctum*”.
  - ♣ One day seminar on “Recombinant DNA Tecnology” on 23<sup>ed</sup> Feb 2011 at Arulmigu Palaniandavar Arts College for Women, Palani.
  - ♣ One day seminar on “Nuclear energy, Nuclear Reactors and Their Safety – an overview” on 26 .12.2011 at Physical and Life Science Department , Arulmigu Palaniandavar Arts College for Women, Palani.
  - ♣ One day Workshop on “ Awareness Programme for Competitive Examinations ” on 28 .12.2010 at Arulmigu Palaniandavar Arts College for Women Palani and Tamil nadu IAS Study Center – Creaking IAS Academy.
  - ♣ One day seminar on “Awareness Programme on Silk mark” on 17<sup>th</sup> July 2009 at PG Department of Zoology , Arulmigu Palaniandavar Arts College for Women, Palani.

### Paper publications

- ✚ Mekala J, Rajan M.R., and Ramesh R. (2016). Green synthesis and characterization of copper nanoparticles using tulsi (*ocimum sanctum*) leaf extract, PARIPEX. *Ind J. Res*, 5, 14-16.
- ✚ Mekala J, and Rajan M.R. (2016). Green synthesis of copper oxide nanoparticles using aqueous wilayati thulsi (*Hyptis suaveolens*) extract-characterization and study of antibacterial effects. *Int. J Cur. Res*, 8(10), 39655-39661.
- ✚ Rajan M.R, and Mekala J. (2021). Biologically and Chemically Synthesized CuO Nanoparticles as Biosensor for Melatonin Hormone. *Glob. J. Nano*, 5(5), 001-0010.

## **Instrumentation & Analytical Skills**

### **Hands on experience with**

- ✦ **Ultra-violet Spectrophotometer (UV)**
- ✦ **Fourier Infra Red Spectroscopy( FTIR)**

## **Additional Skills**

- ♣ **NSS Volunteer**
- ♣ **Village Placement Programme**
- ♣ **Initiation for Responsibility**
- ♣ **Sincere and Honest**
- ♣ **Hard Work and Commitment to work**

## **LANGUAGE KNOWN**

<b>S. No</b>	<b>Language</b>	<b>Tamil</b>	<b>English</b>	<b>Telugu</b>	<b>Malayalam</b>
<b>1</b>	Writing	✓	✓	—	—
<b>2</b>	Reading	✓	✓	—	—
<b>3</b>	Speaking	✓	✓	✓	✓
		✓	✓	✓	✓

## **Personal Details**

**Date of birth** : **October 14, 1990**  
**Sex** : **Female**  
**Marital status** : **married**  
**Nationality** : **Indian**  
**Permanent Address** : **J.Jeyaram, D/O J.Mekala**  
**1/23 (2), South Garden,**  
**Chiththiraikulam,**  
**North Thathanayakanpatti (P.O)**  
**Palani (T.K) - 624401**  
**Dindigul District, Tamil Nadu, India**  
**Mobile: 8525883785**  
**E-mail: [mekalamagqi15@yahoo.com](mailto:mekalamagqi15@yahoo.com),**

**mekalamaggi15@gmail.com**

## **References**

**1. Dr.M.RRajan, M. Sc.,M.Phil,M. Ed.,Ph.D**

**Professor and Head**

**Department of Biology**

**Gandhigram Rural Institute - DU**

**Dindigul - 624 102**

**Dindigul District, Tamil Nadu, India**

**E-mail: mrrrajan1961@yahoo.co.in**

## **Declaration**

**I hereby declare that the information given above is true to the best of my knowledge and belief.**

**Date: 23.02.2022**

**Place: Palani**

**Yours sincerely,**

**(J.Mekala)**