

# CURRICULUM VITAE

## **Mrs.N.SUDHA**

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## **EDUCATIONAL QUALIFICATION**

- SET Qualified (2006)
- (Ph.D) : Biochemistry–Submitted Synopsis
- M.Phil: Advanced Biochemistry- University of Madras (2005)
- M.Sc: Medical Biochemistry – University of Madras (2004)
- B.Sc : Biochemistry – Ethiraj College for Women (2002)

**Teaching Experience:** 16years 3 months Ethiraj -3 years 1 month

- From Dec 2019.... Department of Biochemistry, Ethiraj College For Women, Chennai
- July 2018- Nov 2019..... PG and Research Dept of Biochemistry, Bhaktavatsalam Memorial College for women, Korattur
- Dec 2017-June 2018....Dept of Biotechnology, St.Joseph College(Arts and Science),Kovur, Chennai
- June 2012- Nov 2017---Dept of Biochemistry, T.S.Narayanaswami College of arts and science , Navalur
- June 2008 - Sep2011 --- Dept of Biochemistry, Valliammal college for women, Anna nagar East.
- Aug 2006- April 2007---Dept of Biotechnology, Prof.Dhanapalan College for women, Kelambakkam
- Aug 2005-June2006---- Dept of Biochemistry and Bioinformatics, Indo American College, Cheyyar.

## **6. Research Publications**

1. Effect Of Curcumin On Cigarette Smoke And Ethanol Induced Alternations In Rat Lung and Liver, Journal Of Molecular & Cellular Biochemistry,2006, Vol 288,(1-2)115-123
2. Effect of Neurotoxicant, Nickel Chloride in Zebra fish in International Journal of Scientific Research and Reviews, IJSRR 2019, 8(1), 30-38.(UGC Approved Journal)
3. Gestational exposure to the aquacontaminant ,Nickel chloride culminates in behavioural

and neurochemical changes in F1 progeny, Journal of advanced scientific research

J.Adv.Sci .Res 2019;10(4):123-129(UGC Care Journal)

4. Phytochemical analysis, secondary metabolites and antioxidant capacity of *Curcuma amada*, Studies in Indian place names March 2020 (UGC Care Journal)
5. Neuroprotective role of *Curcuma amadain* F1 progeny of Juvenile Daniorerio (Zebrafish) from Nickel Chloride Induced Maternal Stress in Gestationally Challenged Adult Fishes. Research J. Pharm. and Tech. 14(8): August 2021

#### **Presentation / Seminar (Conference / Workshop/ National / International)**

- National conference on “Gestational exposure o f aquacontaminant ,Nickel chloride in Daniorerio”held on November 1<sup>st</sup>, 2018, Organized by the Dept. of Zoology, Government Arts College, Cheyyar (*Paper presented* )
- National symposium on “Molecular pathology of Neuronal and Glial cell diseases and combating strategies” held on August 20<sup>th</sup> and 21<sup>st</sup> , 2019, organized by the Dept. of Biochemistry, University of madras, Guindy campus, Chennai-25. (*Paper presented* )
- National conference on “Effect of Nickel chloride in Zebrafish” held on August 8<sup>th</sup>, 2019, organized by the Dept. of Biotechnology, Gurunanak College (*Paper presented*)
- International conference on “Recent innovations in multidisciplinary studies” held on March 4<sup>th</sup> 2020 Organized by the St.Joseph College(Arts and Science) (*Paper presented*)
- 2<sup>nd</sup> International Conference on ”Innovations in Applied Sciences” on 3<sup>rd</sup> Feb,2023 organised by the Department of Biochemistry, Mahalashmi Women’s college of Arts and Science (*Paper presented*).

#### **Poster presentation**

- National conference on “Advances in Research on Aging and Neurological Disorders” held on September 20<sup>th</sup> to 22<sup>nd</sup>, 2017, Organized by the Dept. of Zoology, Banaras Hindu university, Varanasi, India.(*Poster presented*)

#### **Organized: Workshops / Training programme/ FDP Programme :**

- Faculty Development Program on “Recent trends in Molecular Biotechnology” Department of Biochemistry, Ethiraj College For Women, 3<sup>rd</sup>& 4<sup>th</sup> June 2020.

#### **Organizing Committee member**

- Organized National Level Seminar ---- T.S.Narayanaswami College Of Arts And Science, Jan 2015

- Organized National level seminar on “Synapse’08---- Valliammal College For Women, Jan 2008
- Organized National level seminar on “Microutsav2008”---- Valliammal College For Women, Jan 2008
- Organized National level seminar on “Viral Diseases”---- Prof.Dhanapalan College For Women, Feb 2007
- Organized State level seminar on “Recent Advances In Macromolecules“---- Prof.Dhanapalan College For Women, 1 Sep 2006
- Organized Seminar on “Cell Signalling”--- Indo American College , 2 Feb 2006
- Webinar on ”Functional understanding of CRISPR interference” by Dr.V.Subashree,Associate Professor(Senior),Dept of Integrative Biology,VIT
- A two day virtual regional Symposium was organized by the Biochemistry Department in association with Society for Neuro Chemistry India ,SNCI ,Chennai Chapter & Department of Biochemistry , University of Madras on 22-11-2021 & 23-11-2021.
- Webinar for students on “Study design in clinical research” by Vedantha Srinivasa Jagadeesan ,Senior medical officer [clinical research],SRM Institutes for Medical science [SIMS] was organized on 11th of Jan 2022 .
- Seminar on “Compound Interest-Eighth wonder & Skin Secrets-demystified” by Mr.Govindaswamy Rajmohan,CEO and Chief Product officer,Cogniti Digital Solutions & Dr.G.Suchitra,Chief Dermatologist,Government Royapettah Hospital on 12-09-2022.
- International Webinar on “Therapeutic Inventions to prevent Corneal Blindness” by Dr.Anandalakshmi Venkatraman,Industry Affairs Lead,Agency for Science,Technology and Research,Singapore.
- National Symposium on ”Science and Technology for Sustainable development with women empowerment” was organized by the Biochemistry Department in association with Indian Science Congress Association, Chennai Chapter on 18<sup>th</sup> January,2023.

**Attended : Workshops/ Refreshers Course / Training programme/ FDP**

- Participated as Instructor in a Two Day Workshop on Basic Techniques relevant to neurobiological research(National level), Oct 2016

- Participated in one day National seminar and inauguration of chennai chapter of Society for Neurochemistry, May 2015
- Faculty Development Program on “Psychological impact of COVID 19 outbreak” PG Department of Human Resource Management, Bhaktavatsalam Memorial College For Women, 1<sup>5th</sup> May 2020.
- Faculty Development Program on “Recent trends in Molecular Biotechnology” Department of Biochemistry, Ethiraj College For Women, 3<sup>rd</sup>& 4<sup>th</sup> June 2020.
- Faculty Development Program on “Citation Database and Analysis, Scientometric Study” Ethiraj College For Women, 9<sup>th</sup> June 2020.
- International Faculty Development Webinar on “Adapting to the Covid Era” Department of Biochemistry, Ethiraj College For Women, 12<sup>th</sup> June 2020.
- Faculty Development Programme on “Recasting from Onsite to Online Pedagogy” IQAC, Ethiraj College For Women, 20<sup>th</sup> to 24<sup>th</sup> July 2020.
- NPTEL – AICTE FDP, “Biomedical nanotechnology” , Sep- Nov 2020 ( Elite)
- A two day virtual regional Symposium was organized by the department in association with Society for Neuro Chemistry India ,SNCI ,Chennai Chapter & Department of Biochemistry , University of Madras on 22-11-2021 & 23-11-2021.
- Webinar for students on “Study design in clinical research” by Vedantha Srinivasa Jagadeesan ,Senior medical officer [clinical research],SRM Institutes for Medical science [SIMS] was organized on 11th of Jan 2022 .
- International Faculty development Programme on Big data Analytics by the Department of Bank Management in collaboration with Binghamton University, from Feb 7 th - 15th, 2022
- Two days online International workshop Nano materials for clean energy and space Astronomy in association with Ethiraj College For Women and Indian Science Congress Association on 22nd and 23rd February,2022.

**Programme (both onsite and online)**

- National seminar and Inauguration of Chennai chapter of “Society for Neurochemistry, India (SNCI)” held on May 8<sup>th</sup>, 2015, organized by the Dept. of Biochemistry, University of madras, Guindy campus, Chennai-25. (Participated)
- National seminar on “Career Prospects in Lifesciences” held on March 4<sup>th</sup>, 2016, organized by the Dept. of Biochemistry, T.S.Narayanaswami College of Arts and Science, Chennai. (Participated)

- National Scientific seminar and Workshop on “Prevention and Management of Iron Deficiency Anaemia in Rural Girls” held on February 27<sup>th</sup>, 2017, organized by the Dept. of Biochemistry, T.S.Narayanaswami College of Arts and Science, Chennai.(Participated)
- National seminar on “Health 2020-an alternative perspective” held on January 7<sup>th</sup> 2020 organized by the Dept. of Biochemistry, Ethiraj College For Women. (Participated)
- National Webinar on “Use of Elsevier Tools in Research Workflow” Department of Commerce, Ethiraj College For Women, 5<sup>th</sup> May 2020.
- Webinar on “Medicinal Plants –The Potential Therapeutic sources for Human Diseases and Disorders”,Department of Biochemistry,Ethiraj College For Women,9<sup>th</sup> May 2020.
- Webinar Series on “Exploring and understanding world Pandemics” Department of Microbiology, Ethiraj College For Women,11<sup>th</sup> to 13<sup>th</sup> May 2020.
- National level Webinar on “Usage of ICT Tools –Why? How ?” Department of Computer Science, Ethiraj College For Women ,14<sup>th</sup> May 2020.
- National Webinar on “Patenting Inventions in India” Department of Biochemistry, Ethiraj College For Women, 16<sup>th</sup> May 2020.
- International E – Conference on “Strategies and challenges in higher education during COVID-19 Lockdown Period in India with reference to the World” held on 15-17 May 2020 organized by Government Vidharbha institute of science & Humanities ,Amaravathi,India .
- National Webinar on “Signalling networks in Cancer” held on 18 May 2020 organised by Little flower Degree college,Uppal,Hyderabad
- International Webinar on “Next generation in sequencing methodologies and applications” PG and Research Department of Biochemistry, Bhaktavatsalam Memorial College for Women, 25<sup>th</sup> May 2020.
- International Webinar on “Fragile X Syndrome-Myths and Facts on EC matrix of the Brain” held on 23 May 2020 organized by the Dept of Biochemistry,DG Vaishanav College
- National Webinar on “Biodiversity conservation in Tamilnadu held on 22 May 2020 organised by Gurunanak College and Chapter of OISCA ,Japan

- National Webinar on “Host pathogen interactions : concepts of virulence and prevention strategies” held on 20 and 21 May 2020 organised by Department of Biochemistry, Mahalakshmi Women’s College
- National Webinar on “Tools of chemistry to combat COVID 19” held on 29 May 2020 organised by St. Francis College, Bengaluru
- Webinar on “Role of Forensic science and DNA fingerprinting in Criminal investigation” Department of Biochemistry, Ethiraj College For Women, 1<sup>st</sup> August 2020.
- Poster Participation on “Flavours of India” University of Madras, Dec 2020
- International Webinar on “Career prospects in Lifesciences” Department of Biochemistry, Ethiraj College For Women, 24 and 25 March 2021.
- International Webinar on “Research across the globe” Department of Lifesciences, Ethiraj College For Women, 29 May 2021.
- International E conferences on “New Horizons in “Biochemistry, Microbiology and Food technology-2020” held on 12,13 October 2021 organised by Yogi Vemana University and Universiti Malaysia Kelantan.
- National Webinar on “Emerging trends in Health Care” on March 18, 2022.
- International E Conference on “Advances and Challenges in Life Science Research” - Vels University on 12,13 April 2022
- International Conference on “Unraveling therapeutic resources from Nature’s treasure” - Mohd Sathak College of Arts and Science on 20,21 April 2022.

### **Paper Setting/Evaluation in Colleges and Universities**

- Question paper Setter for DG Vaishnav College, S. Vellaisamy Nadar College, Madurai .
- Madras University as Evaluator for UG Curriculum since 2009

### **Extra Curricular Activities**

- Served as NSS programme officer from 2009-2011 in Valliammal College for Women