

# Dr.L.LAKSHMI

Assistant Professor

Department of Chemistry

Dr.Ambedkar Govt. Arts College

Chennai-600 039,Tamil Nadu, India

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## Personal Details

Name .L.LAKSHMI

Designation Assistant Professor of Chemistry

Academic Qualification

B.Sc., Chemistry	Anna Adarsh college for women Chennai.	General chemistry	78% 2000 year I class
M.Sc., Chemistry	Pachaiyappas college Chennai	General chemistry	66.2% 2002 year I Class
M.Phil. Chemistry	Pachaiyappas college Chennai	Physical chemistry	63.3 % 2004 year Highly commended
PhD Chemistry	Pachaiyappas college Chennai	Polymer chemistry	Highly commended 2008 year
NET/SLET (Chemical Science)			

## Teaching Experience

- UG – 12 Years
- PG – 12 Years

College/University	Post Held	Period
Kunthavai Nachiyar government arts college (women) Tanjavur	Assistant professor	28.02.2011 to 25.07.2012
Dr. Ambedkar government arts college (autonomous ) Chennai	Assistant professor	26.07.2012 to till date

## Area of Specialization

- polymer chemistry
- .green synthesis

### Research Supervisor

s.no	Name of the students	Msc projects	Year
1	Maha Lakshmi	Studies on natural dyeing obtained from clitoria ternatea for cotton and silk in different conditions	April 2012
2	R.Deepa	A laborious invitro analysis of primary phytochemical screening and antioxidant activities in punica granatum	April 2012
3	M. Rahani	Invitro studies on anti oxidant characteristics of a siddha drug	March 2017
4	R.Subash	A study on physico- chemical characteristics of selected ground water samples on Chennai city	March 2018
5	A.Suguna	Natural dyeing from Ixora coccinea flowers on different cloths in different conditions	March 2018

### GUIDED MPhil

Sl. No	Name of the Students	M.Phil Title	University	Year
1.	P.Uma	Control of dezincification of brass in cooling water system	University of madras	2016
2	G.Kalaivani	Kinetics and isotherm studies of methylene blue removal from aqueous solution by adsorption on arachis hypogea	University of madras	2017

### GUIDING Phd

s.no	Name of the students	Ph.d doing	University	P/F
1	Vennila.s	Metal complex with anticancer drugs	Madras university	Part time

				(march 2021) registered
2	Priyanka	Green synthesis of metal nano particals and its application	Madras university	Full time (24.3.2022) ) registered

### Author for Books

- Engineering chemistry –II ISBN NO. 978-81-909268-9-8

### Doctoral Committee Member

External member .01 (Queen marys college Chennai )-2021 registration full time

### List of orientation, refresher ,Conferences/Seminars/ Workshop/FDP/ISTE-STTP participated

- 1 University grant Commission Academic staff college University of madras Chennai UGC sponsored refresher course in Instrumentation sciences (physical sciences/ chemical science/ lifescience ) Batch -1 held from 28.11.2013 to 18.12.2013 and obtained A grade
- 2 ROYAL CREATIVE BIOCHEMISSTS FEDERATION .BIOCHEM DAMEVIERA2013 conducted by department of chemistry and biochemistry Jaya college of arts and science thiruninravur participated in inter collegiate symposium held on march 8 2013 Friday.
- 3 National Conference on Energy , Environment and Climate change (NCEEC-2013) conducted by chemistry departmentpresidency college (Autonomous) chennai 600 005 participated during 18 and 19 july 2013.
- 4 National Conference on Recent advances in Nanotechnology conducted by diamond jubilee celebration of Justice basher ahmed sayeed College for women participated during 21 january 2015
- 5 Tamil Nadu Government college teachers association conducted one day state level seminar on HIGHER EDUCATION FOR ALL ON 12<sup>TH</sup> October 2015 get participated
- 6 Easwari Engineering College ramapuram Chennai-600 089 Department of chemistry Conducted National Conference on Advances in chemistry NCAC 2015 participated and presented a paper entitled A LABORIOUS INVITRO ANALYSIS OF PRIMARY PHOTOCHEMICAL SCREENING AND ANTIOXIDANT ACTIVITIES IN PUNICA GRANATUM. during 18<sup>th</sup> February 2015.
- 7 Easwari Engineering College ramapuram Chennai-600 089 Department of chemistry Conducted National Conference on Advances in chemistry NCAC 2015 participated and presented a paper entitled STUDIES ON NATURAL DYING OBTAINED FROM CLITORIA TERNOTEA FLOWERS FOR DYEING COTTON AND SILK IN DIFFERENT CONDITIONS during 18<sup>th</sup> February 2015.

8 Sri Sai ram Institute of Technology Chennai 600 044 Department of physics conducted FACULTY DEVELOPMENT PROGRAMME ON CHARACTERIZATION OF MATERIALS participated during 20<sup>th</sup> and 21<sup>th</sup> July of 2017

9 National Conference on Advances in Functional Materials (NCAFM 2017) organized by Department of chemistry, St Joseph College of Engineering, Chennai-600119 participated and presented paper during August 5<sup>th</sup> of 2017

10 National Conference on RECENT ADVANCES IN MATERIALS SCIENCE AND TECHNOLOGY (NCRAMST-2018) conducted by department of chemistry Ethiraj college for women (Autonomous) Chennai 600 008 participated during 12<sup>th</sup> and 13<sup>th</sup> February 2018.

11 Tamil nadu government collegiate teachers association 19<sup>th</sup> state conference on the theme QUALITY HIGHER EDUCATION FOR ALL CHALLENGES AND ACHIEVEMENTS ON 5<sup>TH</sup> and 6<sup>th</sup> Jan 2019 participated in Bharathiar University Coimbatore

12 University Grant Commission, New Delhi Sponsored Refresher Course in CHEMISTRY Batch-XXV participated during 23<sup>th</sup> August 2014 to 12<sup>th</sup> September 2019 in UGC-Academic Staff College, University of Madras, Chennai-600005, Tamilnadu and obtained grade A

13 Tamil Nadu state council for higher education sponsored NATIONAL CONFERENCE ON BIODIVERSITY AND CONSERVATION OF MEDICINAL PLANTS organized by the department of plant biology and plant biotechnology, DR. AMBEDKAR GOVERNMENT ARTS COLLEGE (AUTONOMOUS), CHENNAI held on 4<sup>th</sup> and 5<sup>th</sup> March 2020

14 Human resource development centre, Mizoram university conducted interdisciplinary refresher course online on science and technology held from 28<sup>th</sup> September – 11<sup>th</sup> October, 2021 and obtained grade A.

#### WEBINAR – CONFERENCES ATTENDED

1. STRUCTURAL CHARACTERIZATION OF DRUGS BY SPECTROSCOPIC STUDIES organized by the PG and Research department of chemistry G.T.N ARTS COLLEGE, DINDIGUL ON 20.05.2020
2. COVID 19 SCIENTIFIC PERSPECTIVE organized by the CHEMISTRY DEPARTMENT AND RESEARCH CENTER, ADITANAR COLLEGE OF ARTS AND SCIENCE, TIRUCHENDUR ON 30<sup>TH</sup> MAY 2020
3. METAL COMPLEXES TO METAL NANOPARTICLES FOR EFFICIENT CATALYSIS organized by school of chemical and biotechnology, SASTRA deemed to be university on 28.05.2020
4. VIRTUAL INTERNATIONAL WEBINAR ON SMART TOPICS IN CHEMISTRY held at GOVERNMENT ARTS COLLEGE, TIRUCHI -22 ON JUNE 1<sup>ST</sup> AND 2<sup>ND</sup> 2020.
5. TOP NOTCH TRAINING ON PROPOSAL WRITING CONDUCTED BY DEPARTMENT OF CHEMISTRY, CHELLAMAL WOMENS COLLEGE ON 28<sup>TH</sup> MAY 2020
6. INTERNATIONAL WEBINAR ON CYCLIC AND LINEAR SWEEP VOLTAMMETRY – FUNDAMENTALS & APPLICATIONS CONDUCTED BY DEPARTMENT OF CHEMISTRY ON 31 MAY 2020
7. INTERNATIONAL WEBINAR ON MEDICINAL CHEMISTRY (IWMC2020) organized by department of chemistry DR. AMBEDKAR GOVERNMENT ARTS COLLEGE CHENNAI-39 on 05.06.2020

8. POST GRADUATE & RESEARCH DEPARTMENT OF CHEMISTRY ,DR. AMBEDKAR ARTS COLLEGE conducted workshop on HEALTH AND TEACHING SKILL DEVELOPMENT (HTSD2020) on 01.07.2020
9. CHEMINFORMATICS conducted by the POST GRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY , DR. AMBEDKAR GOVERNMENT ARTS COLLEGE , VYSARPADI CHENNAI-39 ON 16.06.2020

**Paper published in referred Journals:**

- 1 Synthesis and characterization of certain new azo polyimides .T.V Rajendiran and L.Lakshmi Asian Journal of chemistry vol 22 No.2 (2010 ) p 934-942.
- 2 Activation Energy Determination of Polyimide film from its thermal behavior L.Lakshmi Asian Journal of chemistry vol 22 No.7 (2010 )p 5344-5352
- 3 Potentiometric determination of Isoniazid using Twin copper based mercury film electrode L.Lakshmi Asian Journal of chemistry vol 22 No.8 (2010 )p 6067-6076
- 4 A Laborious invitro analysis of primary phytochemical screening and antioxidant activities in punica granatum . L.Lakshmi International journal of innovative research in science engineering and technology vol 4 special issue 1( Feb 2015 ) p2347-6710
- 5 Studies on natural dyeing obtained from clitoria ternatea flowers for dyeing cotton and silk in different conditions. L.Lakshmi International journal of innovative research in science engineering and technology vol 4 special issue 1( Feb 2015 ) p 2347-6710
- 6 kinetic and isotherm studies of dyes removal from aqueous solution by adsorption on low cost Arachbis Hypogea . L.Lakshmi DJ Journal of Engineering chemistry and fuel vol.2 (2) 2017 p 36-47