

CURRICULAM VITAE

Dr. A. Lakshmi

Assistant Professor of chemistry,
St.Mary's College (Autonomous)
Re-accredited with 'A' Grade by NAAC
Thoothukudi-1

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Experience

Teaching Experience : 1 Year

Subject Specilization:

- Electrochemistry
- Nanomaterials
- Polymers

Educational Qualifications

Year of Completion	Course	Institution	Class
2003-2006	B.Sc. Chemistry	A.P.C. Mahalaxmi college	First with distinction
2006-2008	M.Sc. Chemistry	V.O.Chidambaram college	First
2009-2012	Ph.D. Chemistry	Manonmaniam Sundaranar university	-

Other Certificate Courses

Diploma in computer application (DCA)

Papers Published

1. Electroanalysis of Diazepam on nanosize conducting poly(3-methylthiophene) modified glassy carbon electrode, A.Lakshmi , G.Gopu, S.Thanikaikarasan, T.Mahalingam , Peggy Alvarez, P.J.Sebastian , C.Vedhi , Journal of new materials for electeochemical systems , 17 (3) , 2014 , 185-190 (impact factor : 0.66)
2. Electrochemical. Electrochromic behavior and effects of supporting electrolyte on nano thin film of poly (3,4-ethylenedioxy thiophene), **A. Lakshmi**, Anandha Raj

J.G. Gopu, P. Arumugam, C.Vedhi, *Electrochimica Acta*, 92,2013,452-459 (impact factor 4.088)

3. Synthesis and Characterization of Poly (3-hexylthiophene) and Used as Modified Electrode for Determination of Antidepressants in Pharmaceutical Formulations and Urine Samples, **A.Lakshmi** and C.Vedhi, *J. Electrochem. Soc.*, 2013, 160 (4): H252-H257 (impact factor 2.59).
4. Synthesis characterization and capacitive behaviour of poly (3,4-ethylenedioxy thiophene)-Copper oxide nanocomposite, **Augustine Lakshmi**, Athisayaraj Emi princess prasanna, chinnapiyan vedhi, *Advanced Materials Research*, 678, 2013, 273-277.
5. I. V. Surya, **A. Lakshmi** and C.Vedhi, Development of nano cobalt oxide thin film modified electrode for electrochemical studies of ascorbic acid, *Outreach*, 4(2010-2011) 45-48.
6. I.Muthu Lakshmi, **A. Lakshmi**, C.Vedhi, Synthesis and Characterization of Succinic acid Doped Conducting Polyaniline, *Outreach*, 3(2009-2010) 34-37.
7. **A. Lakshmi**, S. Daniel Wesley, A. Ruba Annathai, C.Vedhi, Isolation and Characterisation of Forskolin from *Coleus Forskohlii*, *Outreach*, 1(2007-2008)28-34

International Conferences and Journals

1. **A.Lakshmi**, S.Rajamohamed, P.Arumugam and C. Vedhi “Electrochemical Synthesis, characterization of Nano Size poly(3,4-ethylenedioxythiophene) on Glassy Carbon Electrode in phosphate Buffer solution and its characteristics” **ICAMA 2011**, 594-603.
2. **A. Lakshmi**, A.Emi Princess Prasanna, C.Vedhi, “Investigation of conducting poly (3, 4- ethylenedioxythiophene)-copper oxide nanocomposites”, **Emerging Trends in Nanoscience – 2010 Proceeding**
3. C.Vedhi, I.V.Surya, **A.Lakshmi** “Development of Nano Cobalt oxide thin film modified Electrode for Sensors of Biological Molecules” **under students project scheme held at PSG College of Technology, Coimbatore on 6th august 2010**

National Conferences

1. C. Vedhi, **A. Lakshmi**, P. Manisankar, Simultaneous electroanalysis of isoproturon and carbendazim on polymer modified electrode, International Symposium on Environmental Risk Assessment 2011 (**ISERA2011**), Bharathiar University, Coimbatore, 17-19th October 2011.
2. **A. Lakshmi**, S. Muthumariappan, S. Rajamohamed and C.Vedhi “Differential pulse voltammetric determination of ascorbic acid on nano thin film of poly 3,4-ethylenedioxythiophene modified glassy carbon electrode” **National Seminar on New Frontiers in Chemistry, Annamalainagar, Annamalai University**, March 15-16, 2010
3. I.V.Surya, **A.Lakshmi**, C.Vedhi, Preparation of nano cobalt oxide thin film on glassy carbon electrode for sensors of biological molecules, (**ICNNCIT-2011**), **Bharathiar University, Coimbatore**, July 6-8, 2011
4. **A. Lakshmi**, A.Emi Princess Prasanna, C.Vedhi, Synthesis and characterization, capacitive behaviour of poly (3,4- ethylenedioxythiophene)-copper oxide nanocomposites, (**ICNNCIT-2011**), **Bharathiar University, Coimbatore**, July 6-8, 2011
5. C.Vedhi, I.V.Surya, S.Joy, **A.Lakshmi** “Electrochemical synthesis and characterization of copper oxide nano thin films for solar cell applications” **NCCTC 2011, Manonmaniam Sundaranar University, Tirunelveli**, 24-25 Mar 2011.
6. C.Vedhi, I.V.Surya, S.Sankaravadivoo, **A.Lakshmi** “Electro Analysis of Cefipime on Gold electrode” **Emerging concepts and Trends in Bioinorganic chemistry” 2011, National Engineering College, Kovilpatti.**
7. **A. Lakshmi**, P.Authi Devi, C.Vedhi, Studies on effect of 4, 4-diaminodiphenyl sulphone during electrochemical copolymerisation with -methyl aniline and characterisation” **Emerging concepts and Trends in Bioinorganic chemistry” 2011, National Engineering College, Kovilpatti.**

8. **A. Lakshmi**, I. Muthu Lakshmi, C.Vedhi, Synthesis and characterization of succinic acid incorporated conducting nano size polyaniline, **CRYSTAL-NANO-2009, Aditanar College of arts and science, Tiruchendur**, August, 5-6, 2009.
9. G. Dyana Gracelin, **A. Lakshmi**, C.Vedhi, Investigation of inherently conducting poly(N-methyl aniline) -copper oxide nanocomposites, **CRYSTAL-NANO-2009, Aditanar College of arts and science, Tiruchendur**, August, 5-6, 2009., August, 5-6, 2009.

Conferences/Workshops Attended

S. No	Name of the Seminar / Conference / Symposia / Workshop etc.	Name of the Sponsoring Agency	Place	Month & Date
1.	State level seminar on modern trends in chemistry	COSIP-UGC	A.P.C. Mahalaxmi college, thoothukudi	July 29-2007
2.	Advanced topics in chemistry	DST-FIST	V.O.Chidambaram college, thoothukudi	February 3,4 - 2007
3.	National Conference on Recent Trends in Crystal Growth, Thin Films and Nano Structured Materials	UGC	Aditanar College of Arts and Science, Tiruchendur	August 5-6, 2009
4.	Recent advances in green chemistry	--	Sri paramakalyani college, Alwarkuruchi	March 18,19 2009
5.	Emerging trends in nanoscience (ETN-2010)	UGC, TNSCST	Sri paramakalyani college, Alwarkuruchi	December 21,22- 2010
6.	International Conference on advanced materials and its applications (ICAMA 2011)	DST, UGC, CSIR	Multifunctional materials research center, Kalasalingam University, Krishnakoil	March 4,5 2011
7.	International conference on Advances in Mechanical manufacturing and building sciences (ICAMB)	-	VIT university, Vellore	January 9-11, 2012
8.	International Conference on nanoscience and nanotechnology (ICNN 2011)	-	Coimbatore institute of technology, Coimbatore	July 6-8, 2011

9	Electrochemical Methods for Evaluation of Nano materials	-	National Institute of Technology, Tiruchirappalli	20 th & 21 st Nov. 2014
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Awards Received & Achievements

Editor-in-chief in Journal of Advanced Electrochemistry

Personal Details

Name : A.Lakshmi
Date of Birth : 15.12.1985
Husband Name : K.Arockiya Mavali Thomas
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