

**URUMU DHANALAKSHMI COLLEGE, TRICHY-19**  
**DEPARTMENT OF CHEMISTRY**  
**STAFF PROFILE**



<b>A. General Information</b>			
a. Name	:	<b>Dr.S.ANANTHA LAKSHMI,</b>	
b. Address (Residential)	:	4/237, SAKTHI NAGAR 6 <sup>TH</sup> STREET, 3 <sup>RD</sup> CROSS, KATTUR, TIRUCHIRAPPALLI-19.	
c. Designation	:	ASSOCIATE PROFESSOR & HEAD	
d. Department	:	CHEMISTRY	
e. Date of Birth	:	21-06-1964	
f. Area of Specialization	:	PHYSICAL ORGANIC CHEMISRTY	

**B. Academic Qualifications**

Exam. Passed	Board / University	Year of Passing	Division/Grade/ Merit etc.
High School	Board of Secondary Education	1979	I
Higher Secondary of Pre-degree	Board of Higher Secondary Education	1981	I
Bachelor's Degree(s)- B.Sc	Madras University	1984	I
Master's Degree(s)-M.Sc	Bharathidasan University	1986	I
Research Degree(s) M.Phil	Bharathidasan University	1988	I
Research Degree(s) Ph.D	Bharathidasan University	2008	Commended
Other (Diplomas/ Certificates etc.) PGDCA	-	-	-

**C. Research Experience & Training**

Research Stage	Title of work/Thesis	University where the work was carried out
Publications	UPTO 2013 - 10 PAPERS 2014 to till date - 18 PAPERS	-
<b>Research Guidance:</b> M.Phil  Ph.D	UPTO 2013 - 19 FROM 2014 TO TILL DATE - 25  COMPLETED - 3	-
<b>Training</b> 1. Orientation Course 2. Refresher Course	-	-

**D. Seminars, Conferences, Symposia Workshops etc. attended**

Name of the Seminar/ Conference/Symposia Workshop etc.	Name of the sponsoring agency	Place and Date
Presented a paper in National Conference on "Advancement of Women in Science and Technology"	UGC	Bishop Heber College, Trichy-17 5-6 August 2014

Presented a paper in Synthesis, Characterization and Microbiological Studies on Silver Nanoparticles from Tagetes Patula	Urumu Dhanalakshmi College	Department of Physics 21-August-2017
Presented a paper in Synthesis and Characterization of Silver Nanoparticles from Cassia Auriculata	Urumu Dhanalakshmi College	Department of Physics 21-August-2017
One Day Training Workshop on “Sexual Harassment at Workplace- (Prevention, Prohibition and redressal) Act 2013”	UGC Department of Women’s Studies & the Internal Complaints Committee on Sexual Harassment at Workplace	BDU, Trichy 26-April-2018

**E. Teaching Experience :**

<b>Courses Taught</b>	<b>Name of University/ College/Institution</b>	<b>Duration</b>
1. U.G. (B.A./B.Sc. etc. Pass) B.A., B.Sc., etc. Hons.)B.Com	Urumu Dhanalakshmi College, Trichy-19	24-09-1987 Till date
2. P.G. (M.A. / M.Sc. etc.) M.Com	Urumu Dhanalakshmi College, Trichy-19	August 2003-Till Date
3. M.Phil-Chemistry	Urumu Dhanalakshmi College, Trichy-19	2007-Till Date
4. Any other	As a Resource person delivered a Guest Lecture in Association Programme on Global Warming and Green House Effect, at Shrimati Indira Gandhi College, Trichy.	18-07-2014
	Board of Studies Member for P.G. Course in Chemistry, Bharathidasan University, Trichy-24	2012-15
	TNPSC Question Paper Setter	2015
	Examiner and Convener (Chemistry) in SET-Examination 2016 Conducted by Mother Teresa University, Kodaikanal.	2016
	Board of Studies Member in Chemistry at GAC (W), Pudukkottai.	29-01-2018
	Board of Studies Member for P.G. Course in Chemistry, Bharathidasan University, Trichy-24	From 01-07-2018 to Till date
	Chairperson in Board of Studies for UG course in Chemistry, Bharathidasan University, Trichy-24	From 01-07-2018 to Till date
	Actively participated in Hands-On training on “The Interpretation of Electrochemical Impedance and TEM Data”	24-01-2019
	Board of Studies Member for framing UG and P.G. Programmes to TANSICHE, Bharathidasan University, Trichy-24	08-02-2019

	Inspection Commission Head for the Permanent affiliation of B.Sc., Chemistry at Sengamala Thayar Educational Trust (W), Mannargudi	Letter Received on 23-05-2019
	Inspection Commission Head for the Permanent affiliation of B.Sc., Chemistry at Dhanalakshmi Srinivasan Arts and Science College, Perambalur	Letter Received on 05-07-2019

### RESEARCH PUBLICATIONS

S. No	Title of paper	Name of the Journal	Year of publication	ISBN/ISSN number
01	Effect of binary aqueous-organic solvents on the reaction of p-toluenesulfonyl chloride with benzoic acid(s) in the presence of triethylamine	Pelagia Research Library	2014	0976-8505
02	Synthesis, Characterization and Antimicrobial studies of Tosyl esters(s) of carboxylic acid	International Journal of Scientific and Research Publications	2014	2250-3153
03	Crystal structure of chloride(2-{[2-(4-chlorophenyl)hydrazine-1-ylidene-kN']-(phenyl)methyl}pyridine-kN)( $\eta$ 5-penta-methylcyclopentadienyl) iridium(III) tetraphenylborate	Acta Cryst. E71, Crystallographic communications	2015	2056-9890
04	Crystal structure of chlorido (2-{1-[2-(4-chlorophenyl)hydrazin-1-ylidenekN]ethyl}pyridine-kN)- ( $\eta$ 5-pentamethylcyclopentadienyl) rhodium(III)chloride	Acta Cryst. E71, Crystallographic communications	2015	2056-9890
05	Development of mathematical model to predict the removal rate of Zinc in Zinc Barrel plating wash water using Full Factorial design	International Journal of Engineering and Computer science	2015	2319-7242
06	Kinetic studies on the reaction of p-toluenesulfonyl chloride with $\alpha$ -hydroxyacids in the presence of pyridine in acetonitrile	International Journal of Applied Research	2016	2394-7500
07	Effect of solvents on kinetics of the reaction between p-toluenesulfonyl chloride and $\alpha$ -hydroxyacids in the presence of pyridine	International Journal of Applied Research	2016	2394-7500
08	Effect of solvents on activation parameters for the kinetics of the reaction between p-toluenesulfonyl chloride with $\alpha$ -hydroxyacids in the presence of pyridine	International Journal of Applied Research	2016	2394-7500
09	Removal of Zinc from Barrel Plating wash water by Electro coagulation using Aluminium as Anode and Stainless steel as Cathode	International Journal of Advanced Research in Civil, Structural, Environmental and Infrastructure Engineering and Developing	2017	2320-723X

10	Optimization of process parameters on removal of nickel from plating waste water using Taguchi method	Journal of Applied Science and Computations	2018	0076-5131
11	ANN modeling and GA optimization of Zinc removal from wash water by Electro-coagulation process	International Journal on Future Revolution in Computer Science & Communication Engineering	2018	2454-4248
12	Application of 3 <sup>3</sup> Ffd modeling for removal of Zinc from the industrial wash water	International Journal of Computer Sciences and Engineering	2018	2347-2693
13	GC-MS analysis on the methanolic extract of <i>Trichosanthes anguina</i> L. root and leaves	Journal of Pharmacognosy and Pytochemistry	2018	2278-4136
14	Regression analyses of log k <sub>2</sub> against various solvent parameters for the reaction of p-toluenesulfonyl chloride with $\alpha$ -hydroxyacid(s) in the presence of pyridine	International Journal of Advanced Research and Management	2018	2455-6378
15	Tosyl ester(s) of $\alpha$ -hydroxyacid(s) – Synthesis and antimicrobial studies	International Journal of Scientific Research in Biological Sciences	2018	2347-7520
16	Characterization studies of Corbyn's Cove Beach soil in Andamann Nicobar islands	International Journal for Research in Engineering Application & Management	2018	2454-9150
17	Adsorption and corrosion inhibiting behavior of <i>Terminalliacattapa</i> leaf extract on copper steel	International Journal of Basic and Applied research	May 2019	2249 – 3352
18	Green synthesis and characterization of Silver nanoparticles from leaf aqueous extract of <i>Aloe Vera(L) Burm</i> and its antimicrobial activity	International Journal of Research and Analytical Reviews	Vol 6, Issue 2, June 2019	2348 - 1269