



Faculty Name: Dr.D.Gajalakshmi

Designation: Assistant Professor

Department: Chemistry

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Web Link

Educational Qualification:

	Degree	Specialization	Institution	University	Year of Completion
1	PhD	Computational chemistry	Anna University	Anna University	2017
2	M.Phil (Regular mode)	Inorganic Chemistry	Guindy Campus	University of Madras	2006
3	M.Sc	Chemistry	Seethalakshmi Ramasami College	Bharathidasan University	2003

Total Experience: 11__Years/ 11Months

Area of Interest / Specialization:

- Materials for sensor application by green route
- Designing materials for optoelectronic applications

Subjects Handled:

- Subject 1 Engineering Chemistry I and II
- Subject 2 Environmental science and Engineering
- Subject 3 Engineering Chemistry lab
- Subject 4

Journals / Conferences / Books Presented or Published:

No. of National Conferences:

1.	Conference Name: National conference on “Material science and its future prospects Organized By: Department of Chemistry, UCEV Date: march 1 2017 Paper Title: Effect of Pi-conjugation in pyrrole oligomers by DFT/TDDFT study
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	Author(s) : D.Gajalakshmi and V.Tamilmani
2.	Conference Name: International Conference on Advances in Mechanical Engineering Organized By: Department of Mechanical Engineering Date: October 15 -16, 2015 Paper Title: Unraveling the role π -conjugation in thiophene oligomers for optoelectronic properties by DFT/TDDFT approach Author(s) : D.Gajalakshmi and V.Tamilmani

No. of International Conferences: 2

1.	Conference Name: Third International Symposium on semiconductor Materials and Devices (ISSMD-3) Organized By: Crystal Growth Centre , Anna University , Chennai Date: February 2-5, 2015 Paper Title: π -conjugation a trend setter for optoelectronic application – a DFT/TDDFT investigation Author(s) : D.Gajalakshmi and V.Tamilmani
2.	Conference Name: international conference on sustainable energy Technologies for smart and clean cities (SETS & CC-2016) Organized By: Indian institute of Technology, Tirupati., Amara Raja Batteries Ltd., Tirupati, India & Southern University and A& M college , Los Angels, USA Date: July 27-29, 2016 Paper Title: Computational insights on the role of π -conjugation in optical and Anti-corrosion properties in furan based renewable resources Author(s) : D.Gajalakshmi and T.Sivakumar

No. of Journals : 7

1.	Journal Name: American Journal of Plant Physiology Paper Title: . <i>In vitro</i> antioxidant and chemical constituents from the leaves of <i>Ormocarpum cochinchinense</i> Elumbotti. Vol., No. : 8 Pages : 51-60 Year : 2013 Author(s) : T. Sivakumar and D.Gajalakshmi
2.	Journal Name: International Journal of Pharmaceutical Research and Bio-Science Paper Title: Gas chromatography-Mass spectroscopy analysis of <i>Ormocarpum cochinchinense</i> leaf extract-Traditional Bone healing plants. Vol., No. : 3(2)

	Pages : 352-359 Year : 2014 Author(s) : T. Sivakumar and D.Gajalakshmi
3.	Journal Name: International Journal of Pharmaceutical Science and Research. Paper Title: Phytochemical screening and GC-MS Analysis of root extract from <i>Asparagus racemosus L.</i> Vol., No. : 5(12) Pages : 1000-05 Year : 2014 Author(s) : T. Sivakumar and D.Gajalakshmi
4	Journal Name: Journal of Biological Sciences Paper Title: Tuber extract mediated biosynthesis of silver nanoparticles and its antioxidant, antibacterial activity Vol., No. : 15 (2) Pages : 68-77 Year : 2015 Author(s) : T. Sivakumar, D.Gajalakshmi V.K. Subramanian and K. Palanisamy
5	Journal Name: The Royal Society of Chemistry RSC Adv Paper Title: A DFT/TDDFT mission to probe push–pull vinyl coupled thiophene oligomers for optoelectronic applications. Vol., No. : 5 Pages : 50353–50364 Year : 2015 Author(s) : D. Gajalakshmi , Rajadurai Vijay Solomon, Venkatachalam Tamilmani, Mariasusai Boobalan and Ponnambalam Venuvanalingam
6	Journal Name: Brazilian Archives of Biology and Technology Paper Title: Unravelling the role of π – conjugation in thiophene oligomers for optoelectronic properties by DFT/TDDFT approach Vol., No. : 59 Pages : 1-11 Year : 2016 Author(s) : D. Gajalakshmi and V.Tamilmani
7	Journal Name: Brazilian Archives of Biology and Technology Paper Title: Investigation of structural, morphological, magnetic properties and biomedical applications of Cu^{2+} substituted uncoated cobalt ferrite nanoparticles Vol., No. : 59 Pages : 1-8 Year : 2016 Author(s) : M. Margabhandu, S.Senthilnathan, S.Senthilkumar, and D. Gajalakshmi
8	Journal Name: Taylor and Francis Paper Title: Effect of π –conjugation in furan oligomers Vol., No. : Pages : Year : 2018 (under review)

	Author(s) : T. Sivakumar and D.Gajalakshmi
9	Journal Name: Taylor and Francis Paper Title: Role of Pi-linkers in pyrrole oligomers Vol., No. : Pages : Year : 2018 (under review) Author(s) : T. Sivakumar and D.Gajalakshmi
10	Journal Name: Chemistry Select Paper Title: Are vinyl coupled furan derivatives better than vinyl coupled thiophene derivatives for optoelectronic applications? Answers from DFT/TDDFT calculations Vol., No. : Pages : Year : 2018 (submitted) Author(s) : D.Gajalakshmi , R.V.Solomon, M.S. Boobalan and V.Tamilmani

Seminars/Conferences/Workshops Participated:

No. of Seminars/Conferences/Workshops Participated: 3

S. No	Program Details	Date	Organization
1	international workshop on Technical paper	January 2016	UCEV
2	Intellectual Property Rights	04-09-2015	CIPR Anna university
2	Workshop and training on sequence analysis	20-1-16 to 23-	Centre for BioTech, Anna Univ

Seminars/Conferences/Workshops/Other Programs Conducted:

No. of Seminars/Conferences/Workshops/Other Programs Conducted: 3

Si. No	Program Details	Date
1	Organized a National level workshop on “Recent Advances in Engineering Materials and Chemical Sciences 2016 (NWRAEMCS 2016)”	Feb 26. 2016
2	Organized a National conference on “Material science and its future prospects 2017 (NCMSFP 2017)”	March 1 st 2017
3	Organized an international conference on recent trends in Engineering Materials and Renewable energy	4-5 january 2018

Seminar/Guest Lecture Presented:

No. of Seminars/Guest Lecture Presented: nil

Si. No	Title	Venue	Date
1			
2			

Membership in Professional Bodies:

No. of Memberships with Professional Bodies: 1

Si. No	Name of the Professional Body	Membership Number
1	ISTE	LM
2		

Additional Responsibilities:

- 1 Women cell coordinator
- 2 Class advisor
- 3 Conducted 3 days workshop on meditation and relaxation
- 4 Overall cultural coordinator for annual day 2017
- 5 Overall coordinator for Agnimitra 2018(Technical symposium)
- 6 Overall incharge for Compering Committee
- 7 Overall incharge for Reception committee
- 8 Conducted essay writing competition as per the directions of National council for women New Delhi.

Additional information, if any:

I have authored a book on general engineering Chemistry