Faculty Profile



Name : Dr. A. Adilakshmi

Designation : Assistant Professor(Sl.Gr)

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➢ **Area of Interest/Research**: Computation Chemistry/Environmental Chemistry

➢ **Educational Qualifications**:

S.No	Qualification	Specialization	Year of Pass
1.	B.Sc.	(Chemistry)	April-2004
2.	M.Sc.	(Chemistry)	April 2006
3.	M. Phil.	(Chemistry)	April 2008
4.	SET	(Chemistry)	March 2006
5.	Ph.D.	(Computational Chemistry)	Feburary2020

➢ **Experience: (Years)**

Name of Company / Institutions	Designation	Year of Experience
University College of Engineering, Ariyalur	Assistant Professor	16 years
Anna university Tiruchirappalli – Ariyalur Campus	Lecturer	1 year
A.D.M College for Women, Nagapattinam	Lecturer	2 years

➢ **Additional / Academic Responsibilities at Institution/University Level:**

➢ i. Present Position:

Sl.No.	Designation	Period	
		From	To
1.	Cultural Coordinator (UCEA)	04.10.2012	Till Date
2.	RRC coordinator	04.10.2012	Till Date
3.	YRC coordinator	01.08.2015	Till Date
4.	Zonal Officer-Zone XII (Ariyalur)	01.08.2023	Till Date

- ii. Previous Position:

Sl.No.	Designation	Period	
		From	To
1	Deputy warden for girls hostel	06.10.08	10.01 2010
2.	HOD i/c Department of Chemistry	01.08.2015	14.09.2019

List of Seminar / Short Term Course /FDP/ Workshop attended:

Workshop and FDP attended

1. Attended 28 days orientation programme at academic staff college Pondicherry university during 19.12.2012 to 15.1.2013.
2. Attended TEQUIP-II sponsored two week FDP in Advanced research in materials for engineering and technologyical applications(ARMETA-2015) during 17th -30th july 2015 organized by Department of Phgysics Bharathidasan Institute of Technology-Tiruchirappalli.
3. Attended Foundation Skills in integrated product development (FSID)Train the trainer programme conducted by CFD-Anna University Chennai from 27th sep to 1st Oct 2015.
4. Attended one day workshop on Research Methodology organized by CFD-Anna University Chennai during 12th sep 2015
5. Attended TEQUIP –II Sponsored Two days workshop on Chemistry for Sustainable green environment CHES GREEN'16 organized by Department of Chemistry, Bharathidasan Institute of Technology-Tiruchirappalli on 12th March 2016.
6. Attended TEQUIP-II sponsored two week FDP in Recent advancements in materials (RAM'16) during 11th - 24th July 2016 organized by Department of Physics Bharathidasan Institute of Technology-Tiruchirappalli.
7. Attended One day YRC students Study Camp at government Arts College Ariyalur on 17th feburary 2017.
8. Attended Two weeks FDP on Entrepreneurship development during 13th to 23rd Feburary 2018 organized by Center for Entrepreneure ship development (CED) and center for Intellctual property rights(CIPR) Anna University Chennai.

9. Attended and successfully completed College to Corporate-soft Skill programme conducted from september6th to 4th October 2018 by IIT-Bombay through online mode.
10. Attended and successfully completed College to Corporate-work place communication conducted from 4th October 2018 to 12th November 2018 by IIT-Bombay through online mode.
11. Attended and successfully completed Effective use of It for profession activites conducted from 6th September 2018 to 11th November 2018 by IIT-Bombay through online mode.
12. Attended Three weeks Industrial training on Basic Sciences andCommunication fron 8th june to 26th june 2020 at BSNL-Ariyalur.
13. Attended Online Two weeks FDP on Managing Online Classes and Co-Creating MOOCS 3.0 During 25th July to 10th August 2020
14. conducted by Teaching learning center Ramanujan College University of Delhi.
15. Attended ESIP in Education conducted by AICTE NewDelhi during 8th November to 13th November(part-I) and from 16th November to 20th November2020(part-II) conducted by AICTE-NewDelhi.
16. Attended 40 hours online FDP on Nanomaterials: Experimental design and Theoretical Modelling organized by E &ICT academy NIT-Warangal and IIITDM-Kurnool during 13th to 20th feburary 2021.
17. Attended ALCTE Training and Learning Academy(ATAL) FDP on Plastic Waste Management: Challenges and Opportunities From august 23rd to 27th 2021 by online mode organized by CIPET-Institute of Petrochemicals Technology(IPT) Lucknow.
18. Attended Universal Human Values online workshop –Incorporating universal human Values in Education conducted by AICTE NewDelhi during 28th feburary to 4th march 2022.(UHV-I)
19. Attended Universal Human Values online workshop –Incorporating universal human Values in Education conducted by AICTE NewDelhi during 13th feburary to 18th feburary 2023.(UHV-II)

International / National Conferences Participated:

1. Attended TEQUIP-II Sponsered international Conference on Advances in Biological,Chemical and Physical sciences(ABCPS-2017)organized by Department ofbiotechnology,chemistry and Physics at Bharathidasan Institute of Technology-Trichirapalli.During

2. 13th -15th march 2017 and Presented paper In the title –Dye stability on coloured clothes with detergent Bleaches-a case study.
3. Attended International Conference organized by Department of Chemistry University College of engineering-Villupuram on engineering Materials and Renewable energy ICEMRE-2018 during 4th to 5th januvary 2018 and presents paper entitled Global and Local descriptors in DFT study of 2-3 dimethyl butadiene with various Dienophiles.
4. Attended 4th international Conference on Chemical and environmental research(ICCER-2018)organized by Pg and Research dep[artment of Chemistry Jamal Mohamed College (Autonomous) trichirapalli on 19 th December 2018 and presented paper on DFT Study of Influence of Bonding over the reactivity of disubsituted butadienes with bromocyclo0 butenone.
5. Attended DST-SERB sponsored international Conference on recent trends in Green chemistry and Material Sciences(RTGCMS-2020) and presented paper in A study on ability of copper and bentenotite in water purification during 23rd -24th januvary 2020 at Mohamed Satak engineering College Kilakarai-Ramanthapuram.
6. Attended Virtual international Conference on fronteiers in chemical Reseach (ICFCR.21) during Feburary 3rd and 4th 2021 and presented paper on DFT Study of Influence of Bonding over the reactivity of disubsituted butadienes with bromocyclo pentenone

- **Publications :**

International Journals:

1. BLENDING RATIO OF LOW SULPHUR DIESEL A KEY TO LOWER EMISSIONS. A Adilakshmi, V Venkatesan, V Tamilmani Journal of Industrial Pollution Control (2014)
2. Theoretical Investigation of Steric Effect Influence on Reactivity of Substituted Butadienes with Bromocyclobutenone. A Adilakshmi, M Deepan Kumar, M Jaccob, V Tamilmani Journal of Chemical Information and Modeling (2019)
3. Water quality assessment in coastal lagoons using improved back propagation deep neural network with PH level compensation sensors in smart environment. V. Venkatesan, A Adilakshmi GLOBAL NEST JOURNAL (2023)
4. Effective monitoring of Noyyal River surface water quality using remote sensing and machine learning and GIS techniques. A Adilakshmi, V Venkatesan. Desalination and Water Treatment (2024).

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5. A Deep Learning Data Augmentation Experiment to Classify Agricultural Soil Moistures To conserve plants. V. Venkatesan, K. . Nithya, B. . Karthikeyan, and A. . Adilakshmi Int J Intell Syst Appl Engineering 11 (6s), 114-119(2023)
6. Water quality assessment in coastal lagoons using improved back propagation deep neural network with PH level compensation sensors in smart environment. Venkatesan, V and A Adilakshmi. Global NEST Journal 25 (4), 8-15 (2023)

Guest Lectures Delivered

1. Delivered a lecture on YRC origin and Development in YRC students study Camp during 25th feburary 2020 at National arts and Science College Jayangondam.
2. Delivered a Guest Lecture at one day seminar organized by CEMPERCOMAC Chemistry Association of A.D.M.College Nagapattinam in the topic Chemistry-challenges and Oppurtunuities. During 14th September 2023.

- **Awards**

  For past Nine years from 2015 to till date every year as YRC programme Officer being honoured with shield during blood donation day during first October every year by district administration for conducting Blood Camp through our college YRC Unit.