

# **CURRICULUM VITAE**

**Dr. R. DAYANANDHAN**, M.Sc., M.Phil., B.Ed., Ph.D.,  
Assistant Professor, PG & Research Department of Chemistry,  
Sri Vidya Mandir Arts and Science College,  
Katteri, Uthangarai (TK), Krishnagiri (DT),  
Tamilnadu, India – 636 902.  
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Email\_ID: dayachemistry@gmail.com



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## **Communication Residence**

Pachai Amman Nagar, Near KRR Mandapam, Hanumantheertham, Uthangarai(Tk), Krishnagiri(Dt), Tamilnadu, India. – 636 902.

## **Permanent Residence**

Door.No.1/74, Chinnamottur(Vill), Kethandapatti(POST), T.C.S.M way, Natrampalli(Tk), Vellore(Dt), Tamilnadu, India.- 635815.

## **Educational Qualification**

<b>Course (Discipline)</b>	<b>Medium Studied</b>	<b>Board/College / University</b>	<b>Year of Passing</b>	<b>Marks %</b>	<b>Grade</b>
UG	English	Islamiah college,Vaniyambadi	1998	67.5	I
PG	English	Islamiah college,Vaniyambadi	2001	62	I
M.PHIL	English	Bharathidhasan University	2005	64	I
B.Ed.	English	Tamilnadu Teachers Education University,Chennai	2010	68.2	I
Ph.D.	English	Bharathiyar University, Coimbatore.	2019	--	I

## **Teaching Experience**

- ♦ Head and Assistant Professor, PG & Research Department of Chemistry, Sri Vidya Mandir Arts and Science College, Uthangarai, from **01 March 2002** to till Date

## **Research Experience:**

Research area : Co-ordination complex

PhD Thesis Title: Electron Transfer Reactions in Pentamminecobalt(III) Complexes of  $\alpha$ -Hydroxy acids

Research experience: 6+ years

As a Research supervisor M.Phil guided: **25** Candidates

## **Paper publication Details with impact factor**

[1]. R. Dayanandhan, Dr. K. Subramani “Comparative studies on tributyl ammonium chlorochromate oxidation of Pentaamminecobalt(III) complexes of  $\alpha$ -Hydroxy acids catalyzed by Benzalkonium chloride”, *Asian Journal of chemistry* (SCI indexed expanded) Volume 29, No. 9, 1948-1952, May **2017**. Impact factor: **0.14**

- [2]. R. Dayanandhan, Dr. K. Subramani, "Kinetics and Thermodynamics of Mandelic acid oxidation by Tripropylammonium Halochromates(X=F,Cl) in Micellar medium", *International Journal of Engineering Science Invention*, (UGC Approved) ISSN(Online): 2319-6734, ISSN(Print): 2319-6726, Volume 5, Issue 3, Page:21-27, March 2016, Impact factor: **3.962**
- [3]. R. Dayanandhan, Dr. K. Subramani, "Kinetics of Mandelic acid oxidation by Tributylammonium Chlorochromate in presence of micelles", *IOSR Journal of Applied Chemistry* (IOSR-JAC) (UGC Approved), e-ISSN: 2278-5736, Volume 9, Issue 3, version 1, Page:01-06, March 2016. Impact factor: **1.238**
- [4]. R. Dayanandhan, Dr. K. Subramani, "Kinetics and Mechanism of oxidation of Lactic acid by Tripropylammonium Halochromates (X=F,Cl) in Micellar medium" *Asian Journal of Research in Chemistry*, Ref.No-AJRC-2178, Volume 9, Issue 4, Page: 172-178, April 2016.
- [5]. P. Rajkumar, R. Dayanandhan, T. Palanisamy, A. Palanivel, "Studies on kinetics of oxidation of  $\alpha$ -Amino acids by Benzimidazolium Chlorochromate in the Presence of Ammonium Lauryl Sulphate", *International journal of frontiers in science and technology*, volume4, issue 4, page: 22-31, October **2016**.
- [6]. R. Dayanandhan, Dr. K. Subramani, "Studies on Kinetics and Mechanism of oxidation of Cobalt(III) bound and unbound  $\alpha$  hydroxyl acids By Tetramethylammonium Chlorochromates", *International Journal of Science, Technology and Humanities*, ISSN (Online): 2394-7217, ISSN(Print): 2394-7209, Volume 3, Issue 1, Page: 64-69, October 2015.
- [7]. R. Dayanandhan, P. Rajkumar, N.Buvaneswari, Z.Abdul Vaheith, A.Fiaz Ahamed, "Kinetic analysis of oxidation of  $\alpha$ -Hydroxy acids by Caro's acid in micellar medium", *Rasayan Journal of chemistry*, vol.14, No.2, 785-793, June 2021. Impact factor: **0.4**

#### **Details of Conference/Seminar/Workshop etc. attended**

<b>Name of the Seminar/Conference/Workshop</b>	<b>Name of the Sponsoring Agency/ Place</b>	<b>Date</b>
National UGC seminar on Emerging trends in Analytical techniques	Islamiah college, vaniyambadi	12 <sup>th</sup> August 2008
National conference on Globalization challenges & opportunities	Sri Vidya Mandir Arts & Science College, Uthangarai	6 <sup>th</sup> ,7 <sup>th</sup> January 2011
Micro Scale Experiments	Sri Vidya Mandir Arts & Science College, Uthangarai	20 <sup>th</sup> February 2015
Recent Advances in Chemistry	E.R.K Arts & science college	17 <sup>th</sup> August 2015
International conference on Recent Advances In Applied science	St.Peter's University	11 <sup>th</sup> to 13 <sup>th</sup> February 2016
Antiplagiarism Software	Periyar University	9 <sup>th</sup> August 2016
International workshop on Designing enhanced research articles & thesis	Sri Vidya Mandir Arts & Science College, Uthangarai	02 <sup>nd</sup> February 2016
National level Faculty	Sri Vidya Mandir Arts & Science	11 <sup>th</sup> -12 <sup>th</sup>

Development Programme (FDP)	College, Uthangarai	February 2012
ICT Academy (FDP)	Sri Vidya Mandir Arts & Science College, Uthangarai	30 <sup>th</sup> & 31 <sup>st</sup> December 2016
National level Faculty Development Programme (FDP)	PG Extension center, Periyar University, Dharmapuri	3 <sup>rd</sup> September 2016
National level workshop	Islamiah college, vaniyambadi	27 <sup>th</sup> & 28 <sup>th</sup> January 2019
National conference on Advances in materials and methods of chemistry	Bharath Institute of Higher education and research, Selaiyur, Chennai-73	21 <sup>st</sup> December 2019
e – Workshop on Solution to Joint CSIR – UGC NET Chemical Science Problems	Muthurangam Government Arts College (Autonomous), Vellore	17 <sup>th</sup> to 20 <sup>th</sup> June 2020 (4 days)
Faculty Development Programme	Sri Vidya Mandir Arts & Science college(Autonomous), Uthangarai	13 <sup>th</sup> to 16 <sup>th</sup> may 2020
A One Day State Level Seminar On Recent Advances In Organometallic Chemistry-2022	Sri Vidya Mandir Arts & Science college(Autonomous), Uthangarai	23 <sup>rd</sup> March 2022
A One Day National Conference on Recent Advances in Material Chemistry (RAMC-2023)	Sri Vidya Mandir Arts & Science college(Autonomous), Uthangarai	26 <sup>th</sup> April 2023
A Two Day International Conference on Recent Trends in Advanced Engineering and Chemical Science (ICRTA-ECS-2024)	Sri Vidya Mandir Arts & Science college(Autonomous), Uthangarai	21 <sup>st</sup> - 22 <sup>nd</sup> March 2024
A Two day International workshop on Recent Trends in Organometallic and Bioinorganic Chemistry (IWRTOBC-2025)	Sri Vidya Mandir Arts & Science college(Autonomous), Uthangarai	9 <sup>th</sup> & 10 <sup>th</sup> January 2025

#### **List of Publications in Conference Proceedings**

<b>Title of Paper</b>	<b>Name of the Conference</b>	<b>Volume</b>	<b>Page nos.</b>	<b>Year</b>	<b>ISSN NO.</b>
Electron transfer reactions in pentaammine cobalt (iii) complexes of $\alpha$ – Hydroxy acids in micellar medium	International Conference on Recent Advances in Applied Sciences	Vol. 01	315	February 2016	978-93-5254-981-8

Electron transfer reactions in pentaammine cobalt (iii) complexes of $\alpha$ – Hydroxy acids in micellar medium	International Conference on Recent Advances in Physics	Vol. 01	179	August 2013	978-93-81992-86-9
Electron transfer reactions in pentaammine cobalt (iii) complexes of $\alpha$ – Hydroxy acids in micellar medium	National Conference on Recent Advances in Physics	Vol. 01	33	July 2012	978-93-80017-95-2
Electron transfer reactions in pentaammine cobalt (iii) complexes of $\alpha$ – Hydroxy acids	National Conference on Advanced Materials	Vol. 01	203	July 2014	978-93-81992-44-9
Theoretical Studies, Synthesis & Characterisation of Hydrazone Derivative 2-Pyridine Carbaldehyde (2-Pyridyl) Hydrazone	International Conference on Recent Trends in Advanced Engineering & Chemical Science	Vol. 01	48	March 2024	978-81-19821-85-3

**Number of Programme organized:**

s.n o	Programme	Sponsored by	No.of Days	Date	Amount
1	INSPIRE	DST, NEW DELHI	5	27.12.2012 to 31.12.2012	Rs. 9,75,000
2	INSPIRE	DST, NEW DELHI	5	27.11.2013 to 01.12.2013	Rs. 9,75,000
3	INSPIRE	DST, NEW DELHI	5	26.09.2015 to 30.09.2015	Rs. 9,75,000
4	INSPIRE	DST, NEW DELHI	5	24.09.2016 to 28.09.2016	Rs. 9,75,000
5	In-service Training to secondary grade teachers	Tamilnadu state council for science & technology, Chennai	5	28.08.2017 to 01.09.2017	Rs. 90,000
6	International Conference	Sri Vidya Mandir Arts & Science College, Uthangarai	1	20 <sup>th</sup> December 2018	--
7	International Conference	A Two Day International Conference On Polymer Science & Technology(ICPST-2021)	2	9 <sup>th</sup> & 10 <sup>th</sup> March 2021	--
8	Webinar	UGC-Paramarsh Scheme Sponsored A One Day Webinar on “Revised NAAC Criteria: A Glance”	1	10 <sup>th</sup> April 2021	--
9	State level seminar	A one day state level seminar on “Recent	1	23 <sup>rd</sup> March 2022	

		Advances in Organometallic chemistry”			
10	National Conference	A One Day National Conference on Recent Advances in Material Chemistry (RAMC-2023)	1	26 <sup>th</sup> April 2023	
11	International Conference	A Two Day International Conference on "Recent Trends in Advanced Engineering and Chemical Science (ICRTA-ECS-2024)	2	21 <sup>st</sup> - 22 <sup>nd</sup> March 2024	
12	International Conference	A Two day International workshop on Recent Trends in Organometallic and Bioinorganic Chemistry (IWRTOBC-2025)	2	9 <sup>th</sup> & 10 <sup>th</sup> January 2025	

#### **Invited Talk**

1. Acted as a Trainer for TANSCHÉ soft skill Training 2021-2022 organized by Government Arts College for Women, Krishnagiri on 04-06-2022

#### **Awards**

1. Best Assistant Professor Award by PEARL Foundation Education Excellence Awards to Higher Education in India
2. **Editor in** “International Journal of Science, Technology and Humanities”

#### **Course(Paper) Handling experience**

S. No.	Title of the Course(Paper)	Program BA/B.Sc./ MA/M.Sc./..	Experience in Years / Semester
1.	Allied chemistry	B.Sc	5
2.	Physical chemistry	B.Sc	3
3.	Analytical chemistry	B.Sc	9
4.	Pharmaceutical chemistry	B.Sc	8
5.	Agricultural chemistry	B.Sc	3
6.	Inorganic chemistry	M.Sc	9
7.	Physical chemistry	M.Sc	4
8.	Nano chemistry	M.Sc	2

#### **Computer knowledge:**

1. Basic computer knowledge
2. Audio and video editing
3. MS-office, Photoshop
4. Chemistry Software's like Chemdraw, Origin, Gaussian(computational chemistry), Chemoffice, Chems sketch
5. Fast English and Tamil typing.

#### **Personal profile :**

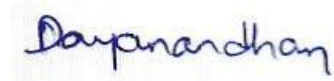
Father Name : C.V.Ravaniah Reddy  
Mother Name : R.Sulochana  
Date of Birth : 15<sup>th</sup> April 1977  
Marital Status : Married  
Spouse name  
& occupation : D.Chithra, House wife  
Children : 2(one girl, one boy)  
Caste : Ganjam Reddy  
Community : BC  
Religion : Hindu  
Nationality : Indian  
Language Known : Tamil, English, Telugu, Hindi  
Aadhar Card No. : 469-385-828833  
PAN Card No. : APJPD6342J  
Blood Group : O Positive

**Declaration:**

I, hereby, declare that all the particulars given above are true to the best of my knowledge.

**Place: Uthangarai**

**Date: 22-07-2025**



**(Dr. R. DAYANANDHAN)**