

CURRICULUM VITAE

Dr. R.Udhayakumar
Assistant Professor
Department of Chemistry
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➤ **Research Area:**

- Chemistry,
- Chemical Kinetics,
- Catalysis,
- Environmental Science,
- Corrosion

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion	Percentage	Class
Ph.D. (Chemistry)	Annamalai University	2015		
M.Phil.	Bharathidasan University	2006	65.0	II
PG(Chemistry)	Bharathidasan University	1996	69.84	I
UG(Chemistry)	Bharathidasan University	1994	63.5	I
M.Ed	Annamalai University	1999	61.71	I

Experience: (chronological order)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
VPT COLLEGE	Lecturer	16-06-1998	20-06-2001	3 years
IFET COLLEGE OF ENGINEERING, GANGARAMPALAYAM, VILLUPURAM	Lecturer	21-06-2001	24-08-2007	6 Years

IFET COLLEGE OF ENGINEERING, GANGARAMPALAYAM, VILLUPURAM	Assistant Professor	25-08-2007	29-09-2009	2 Years
UNIVERSITY COLLEGE OF ENGINEERING, TRICHY	Assistant Professor	30-09-2009	Till date	

➤ **Additional / Academic Responsibilities at University:**

1. **Assistant Academic Coordinator** in TEQIP
2. **Coordinator** for APJ Abdulkalam auditorium
3. **Antiragging Committee** member
4. **Additional Academic Coordinator**
5. **Academic Co-Coordinator**
6. **Academic Coordinator**
7. **First year Additional coordinator**
8. **Zonal officer, Zone-18.**
9. **First Year Coordinator**

➤ **Membership of Scientific and Professional Societies:**

1. **ISTE INDIAN SOCIETY FOR TECHNICAL EDUCATION LIFE MEMBER**
2. **SAEST SOCIETY FOR ADVANCEMENT OF ELECTROCHEMICAL SCIENCE AND TECHNOLOGY LIFE MEMBER**

➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	K.Geetha	STRUCTURAL MORPHOLOGICAL OPTICAL MAGNETIC PHOTOCATALYTIC AND ANTIBACTERIAL ACTIVITIES OF RARE EARTH ELEMENT CERIUM IONS SUBSTITUTED SPINEL FERRITE NANOPARTICLES	2014	Thesis preparation

➤ **Publications:**

a. Books / book chapters:

1. Chemistry-II by **Udhayakumar, R.**; and Vaideki, S., R.L Publication
2. Chemistry-I by **Udhayakumar, R.**; and Vaideki S., R.L Publication
3. Chemistry-II by **Udhayakumar.R** & Vaideki.S., R.L Publication
4. Tamil Medium Text Book -1 Unit in AUT Published
5. Engineering Chemistry-I by **Dr.R.Udhayakumar**
6. Engineering Chemistry-II by **Dr.R.Udhayakumar**
7. Environmental Science and Engineering by **Dr.R.Udhayakumar**
8. Chemistry for Technologists by **Dr R.Udhayakumar**

b. International Journals:

1. An.Palaniappan, **R.Udhayakumar**, S.Srinivasan and C.Raju, Kinetics of oxidation of phenoxyacetic acid by TPCC in aqueous acetic acid medium, Der Chemica Sinica, 2012, 3(3), 708-712.
2. An.Palaniappan, **R.Udhayakumar**, S.Srinivasan, and C.Raju, Kinetics and Mechanism of Oxidation of dibenzalacetone(DBA) by Isonicotinium dichromate in aqueous acetic acid medium catalyzed by 1, 10-phenanthroline, Journal of Chemical and Pharmaceutical Research, 2012, 4(5), 2385-2390.
3. S. Nalini, **R. Udhayakumar**, K.Anbarasu, P.Manivannan, K.Raghu, Kinetics and mechanism of the oxidation of some cis- Phenylcinnamic acids by Pyridinium Chlorochromate" in Journal of Advances in Chemistry, 2015,12(5),4434 - 4441.

4. **Udhayakumar.R**, S.Vaideki, P.Manivannan, and K.Raghu, “Assessment of physico – chemical characteristics of water in Tamil Nadu” in Ecotoxicology and Environmental safety. 134(2016) 474-477.

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

- **Coordinator:** Royal Society of Chemistry (RSC) Sponsored one day National Seminar on Photo catalysis for Sustainability: Fundamentals Applications (PHOCATS-2013) on 9thOct, 2013 at Anna University, BIT Campus, Tiruchirappalli.
- **Coordinator:** TEQIP Sponsored National Seminar on Modern Trends in Chemistry (MTC2013), on 17-18thDec, 2013 at Anna University, BIT Campus, Tiruchirappalli.

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

- National Seminar on “Theoretical and Chemical Sciences” 22–23 February 2008 at Annamalai University, Chidambaram, India
- Workshop on “Nanomaterials (Science, Technology and Application)”, 5–6 March 2008 at National Institute of Technology, Tiruchirappalli, India
- Seminar on “Tools of Quality Management” 6 August 2006 at IFET College of Engineering, Villupuram, India
- National Workshop on “Emerging Trends in Electrochemical Science and Technology” 17–18 March 2006, jointly organized by ISTE, Central Electrochemical Research Institute, Karaikudi and Raja College of Engineering, Madurai, India
- Course on “Professional Ethics” 26 November 2006 at IFET College of Engineering, Villupuram, India
- Awareness Programme on “Six Sigma” 21 August 2005 at IFET College of Engineering, Villupuram, India.
- National Seminar on “Copy Rights” 23 April 2004, at Annamalai University, Annamalai Nagar Chidambaram, India

- House Staff Development Programme on “Team Building and Conflict Resolution”, 10 & 17 October 2004 at IFET College of Engineering, Villupuram, India
- National Workshop on “Teaching Technology and Counselling skill”, 3–4August 2002 at IFET College of Engineering, Villupuram, India.
- Participated in the National Symposium, Nanorevelations-2010 organised by the Department of Nanoscience and Technology, Anna University of Technology Tiruchirappalli on September 9th 2010.
- Participated in MNRE & CSIR Sponsored two days National conference on “Recent Trends in renewable Energy sources for sustainable Development (NCRES2011)” organized by the Department of Petrochemical Technology, Anna University of Technology, Tiruchirappalli – 620 024 on 22nd - 23rd February 2011.
- Participated in Regional workshop for students, faculty and non teaching staff satisfaction survey on 22-09-2014 at M S Ramaiah Institute of Technology, M.S.R Nagar, Bangalore.
- Attended three days workshop on Application of ICT for Teaching Gen Y Students from 9-10-2014 to 11-10-2014 at Courtallam.

➤ **National / International Conferences organized / Participated:**

- **Coordinator:** TEQIP-II Sponsored International conference on Advances in Biological Chemical & Physical Sciences (ABCPS) on 13-15thDec, 2017 at Anna University, BIT Campus, Tiruchirappalli.
- **Udhayakumar.R,** S.Vaideki, P.Manivannan, and K.Raghu, “Assessment of physico – chemical characteristics of water in Tamil Nadu” in International conference of Green Technology of Environmental pollution control and prevention organised by Department of chemical Engineering, national institute of Technology, Tiruchirappalli, Tamil Nadu, India.

- **Udhayakumar.R.;** and Vaideki, S .Environment disaster, assessment, planning, prevention and management, National Conference on Environment disaster and management, 15–16July 2006 held at Neyveli Lignite Corporation, Neyveli, India.
- **Udhayakumar. R.;** and Vaideki, S. Green chemistry, National Conference on Green Chemistry, 6–7April 2006 held at SRM Institute of Science and Technology, Kattankulathur, Chennai.
- **Udhayakumar.R.;** and Vaideki, S. Pollution Prevention, National Conference on Green Chemistry, 6–7April 2006 held at SRM Institute of Science and Technology, Kattankulathur, Chennai.
- **Udhayakumar .R;** Prabhu, S; Jeganathan, Kand K.Jothivenkatachalam, Synthesis, Characterisation of $Cu_{0.5}Co_{0.5}WO_4$ and its application on Cr(VI) removal in aqueous medium,UGC-SERO Sponsored First National Conference on Thin Film Science and NanoTechnology, 2-3 Septemper 2013 held at Rajah Serfoji Govt College (Autonomous) Thanjavur,Tamilnadu,India.
- **Udhayakumar.R,** S.Vaideki, P.Manivannan, S.Nalini and K.Raghu, “Kinetics and Mechanism of the oxidation of some cis-, cis-a-Phenylcinnamic acids by Pyridinium Chlorochromate National Conference on Recent trends in smart materials organised by Kings college of Engineering ,Punalkulam, Thanjavur.
- **Udhayakumar.R,** S.Vaideki, P.Manivannan, S.Nalini and K.Raghu, “Mechanistic inverstigation of oxidation of dibenzalacetone (DBA) by isonicotinium dichromate in aqueous acetic acid medium - catalysed by 1,10 – phenonthroline. A kinetic study”, National Conference on Emerging Trends in Chemical Sciences organised by Jerusalem college of Engineering, Narayanapuram, Chennai – 6001

DECLARATION:

I certify that the information furnished above is correct and true to the best of my knowledge and belief.

Signature of the staff member

Head of the Department

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