

# Curriculum Vitae

## Arun viveke

### Address for communication

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### Objective

The purpose of education is the new knowledge creation. I research and teach chemistry aiming at creation of new knowledge. My research focusses on the synthesis, characterization of transition metal polyridine complexes, luminescent Tröger's bases polymers and probing their photophysical properties for the development of ion-pair sensors, pH sensors.

### Educational qualification

Sl. no.	Name of the institution / examination	Course studied	Year of study	Marks obtained (%)
1.	State Eligibility Test 2017	Chemical Sciences	2017	Qualified
2	Loyola College, Chennai, India	Ph.D. Chemistry	2010-2015	Thesis highly commended
3	Loyola College, Chennai, India	M.Sc. Chemistry	2006-2008	71
4	Loyola College, Chennai, India	B.Sc. Chemistry	2003-2006	75

### Teaching experience

- ✓ Worked as an Assistant Professor in St. Joseph's College of Engineering, Chennai from July 2014 (4 years). Teaching engineering chemistry to undergraduate engineering students.
- ✓ Currently working as an Assistant Professor in St. Joseph's College, Tiruchirappalli from July 2018.

### Research experience

- Worked as a Junior Research Fellow, DAE research project, Department of Chemistry, Loyola College, Chennai, June 2008 to June 2010.
- Worked as a Senior Research Fellow, DAE research project, Department of Chemistry, Loyola College, Chennai, July 2010 to October 2013.

### Papers published

1. Ebenezer Thaninayagam, RR Gopi, H Joy Prabu, **A Arun Viveke**, I Johnson, Allen Joseph Anthuvan, S John Sundaram, K Kaviyarasu, *Bioreduction of gold*

*nanocolloids using Quercus infectoria (Oliv): UV-assisted cationic-anionic dye degradation*, **Biomass Conversion and Biorefinery**, 2023, 13, 4, 3463-3474.

2. A.Irudaya Jothi, C. Rajarathinam, **A. Arun Viveke**, M. Wilson Bosco Paul, *Substituent effects on the mesogenic benzylidenes of 4-methylaniline: Synthesis, characterization, DFT, NLO, photophysical, molecular docking, and antibacterial studies*” **Journal of Molecular Liquids** 2022, 347, 117980
3. Ligimol Louis, V. Alexander, D. Suresh Kumar, S. Amudhan Senthana, **A. Arun Viveke** “*Photoluminescence and electrochemical studies of tetranuclear ruthenium(II) polypyridyl complexes of benzimidazolyl functionalised pyrenylcalix[4]resorcinarene*”**Inorganica Chimica Acta**, 2019, 486, 245-251.
4. Arun Viveke, A. and Alexander, V.\* “*pH-Responsive luminescence of a new trinuclear Ru(II) polypyridine complex*” **RSC Adv.** 2014, 4, 44269-44273.

### Poster presented in conferences

1. Arun Viveke, A. and Alexander, V., “*Synthesis and photophysical studies of heteroditopic ligand bridged Ru(II)-Ir(III) dyad*”, Modern Trends in Inorganic Chemistry-XV; Indian Institute of Technology, Roorkee, December 13-16, 2013.

### Workshops attended

1. “**Applications of 1D & 2D NMR Spectroscopy**”, Sophisticated Analytical Instrument Facility(SAIF), Indian Institute of Technology, Chennai, September 4-5, 2008.
2. National workshop on “**Fluorescence Correlation Spectroscopy & Biophotonics**”, Tata Institute of Fundamental Research in North Eastern Hill University, Shillong, Meghalaya, November 9-12, 2010.
3. A One Week Hands on Training program on **Sophisticated Analytical Instruments, Synergistic Training Program Utilizing the Scientific and Technological Infrastructure (STUTI)** – 2022, at Tezpur University, Assam in association with SAIF, Panjab University, October 31 to November 7, 2022.

### Invited lectures Seminar presented

Title	Event/ Date	Organizer/Venue
Chemistry beyond molecules- Molecular machines to architectures	National level seminar February 2018	The Immaculate College- Villupuram District
TOT Experts Planning Meetings	Planning Meetings 19-09-2023	DPI Campus, Chennai organized by SCERT
Science Teaching Workshop-Training of Trainers	Skill development in Science Teaching 11-10-2023, 12-10-2023	Holy Cross Spirituality Centre, Yercaud organized by DIET, Salem and SCERT
Science Teaching Workshop-Training of Trainers	Skill development in Science Teaching 11-01-2024 and 12-01-2024	Holy Cross Spirituality Centre, Yercaud organized by DIET, Salem and SCERT
Science Teaching Workshop-Training of Trainers	Module development in Science Teaching 24-04-2024 and 25-04-2024	Institute of Mathematical Sciences, Taramani, Chennai organized by SCERT

Science Teaching Workshop-Training of Trainers	Skill development in Science Teaching 03-07-2024 and 04-07-2024	Karl Kubel Institute, Anaikatti, DIET, Ariyalur and SCERT
Workshop and Training of DIET Faculty	Skill development in Science Teaching 05-08-2024	DPI Campus, Chennai organized by DIET Chennai and SCERT
Science Teaching Workshop-Training of Trainers	Skill development in Science Teaching 12-09-2024 and 13-09-2024	Holy Cross Spirituality Centre, Yercaud organized by DIET, Salem and SCERT

### **Fellowships and Grants Received**

1. Project title- *Development of multimodal Ion pair sensors*, Grant- Rs. **1,05,000**, Received from St. Joseph's Management Research Grant, St. Joseph's College, Tiruchirappalli, 2024-2026.
2. Received **Young Scientist Fellowship** from Tamilnadu State Council of Science and Technology, Chennai in the year 2023 and successfully completed two months fellowship tenure at Dr. Shanmugaraju's lab at Department of Chemistry, Indian Institute of Technology, Palakkad, Kerala, India between 18 October 2023 and 18 December 2023.
3. Project Title- *Development of Ion pair sensors*, Grant- **Rs. 30000**, Received from St. Joseph's Management Research Grant, St. Joseph's College, Tiruchirappalli, 2018-2019.

### ***Computer skills***

Chemdraw, Bio-Rad, and MS Office.

### ***Language skills***

Excellent ability to read, write, and communicate in English and Tamil.

### ***Co-curricular activities***

- Awarded "**Excellence in leadership**" medal for actively participating in the activities of Loyola College students union, 2005-2006.

### **Personal details**

Date of Birth : 18-07-1985  
 Marital status : Married  
 Hobbies : Reading novels, Playing Football