

Name : T Christopher Jeyakumar
Designation : Assistant Professor
Department : Chemistry
Date of Joining : 18 -06 -2018
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Educational Qualification:

| Degree | Subject | Institution | Year of passing |
|--------|-------------------|---------------------------------------|--------------------------|
| Ph.D. | Chemistry | Pondicherry University, Puducherry | Thesis Submitted 2019 |
| TN-SET | Chemical Sciences | | 2016 |
| M.Sc. | Chemistry | The American college, Madurai. | 2012 |
| B.Sc. | Chemistry | The American college, Madurai. | 2010 |

Specialization in Teaching:

1. Quantum Mechanics
2. Photochemistry
3. Chemical Kinetics
4. Surface Chemistry
5. Solution Chemistry

Specialization in Research:

1. Physical Inorganic Chemistry
2. Catalysis and Computational Chemistry
3. Molecular Modeling

Membership in Professional Bodies:

1. **Review Member** of Review Committee in Journal of Emerging Technologies and Innovative Research.
2. Member of **Advisory/Editorial Board** in International Journal of Scientific Research in Science and Technology.
3. **Professional Member** of Institute For Engineering Research and Publication (**IFERP**)

Achievements and Awards

1. **State Level Proficiency Test (SLPT) – 2012** conducted by Prof. Ramasubbu Jeyaraman Science Foundation.
2. **Best Poster Award** for Poster presentation in National Symposium on Recent Trend in Chemistry at Pondicherry University on 20 February, 2017.

Publications:

1. **T. Christopher Jeyakumar**, S. Baskaran and C. Sivasankar, “Possibility of reducing the coordinated dinitrogen into ammonia and hydrazine using [Ru-L] (L = triamidoamine) and FLP-H₂: A DFT study” *J. Chem. Sci.* 2018, 130, 57.
2. **T. Christopher Jeyakumar** and C. Sivasankar, “Dehydrogenation of formic acid catalysed by M-embedded nitrogen-doped grapheme (M = Fe, Ru, Os): a DFT study” *New J. Chem.*, 2019, 43, 1440-1448.
3. F. Paularokiadoss, A. Sekar and **T. Christopher Jeyakumar** “DFT Studies on the Adsorption of CFC over the Copper Embedded Nitrogen Doped Graphene” *JETIR.*, 2019, 6, 276-288.
4. D. Jim Livingston, C. Joel, R. Biju Bennie, **T. Christopher Jeyakumar**, C. D. Sheela “Synthesis, Characterization and DNA binding affinities of mixed ligand Cu(II) complexes of 3-((E)-(2-hydroxyphenylimino)methyl)-4H-chromen-4-one” *JETIR.*, 2019, 6, 633-649.

Conference / Seminar Presentations:

1. Poster presentation on “A computational study of small molecule adsorption over the Fe-borazine” *National Symposium on Recent Trend in Chemistry* at Pondicherry University on 20 February, **2017**.
2. Poster presentation on “Functionalization of Coordinated Nitride in [Os^{VI}(tpy)(Cl)₂(N)]⁺ to Ammonia using H₂” *International Conference on Advancements and Challenges in Chemical Sciences* at Pachaiyappa’s College, Chennai from 02-03 February, **2018**.
3. Paper presentation on “DFT studies of electronic structure of heterofullerenes C₅₄X₆ (X = B and N) and C₅₄B₃N₃” *International Conference on Frontiers Areas in Chemistry* at The American College, Madurai from 17-19 July, **2018**.
4. Paper presentation on “Functionalization of Coordinated Nitride in [Os^{VI}(tpy)(Cl)₂(N)]⁺ to Ammonia using H₂ and P(*t*-Bu)₃” *International seminar on Interdisciplinary Science Studies* at The standard Fireworks Rajaratnam College for Women, Sivakasi on 03 September, **2018**.
5. Paper presentation on “Synthesis, spectral characterization and computational studies on metal complexes of chromone based Schiff base” *ETBPC-2018* at VHNSN College, Virudunagar from 27-28 February, **2019**.
6. Paper presentation on “Computational studies of dinitrogen adsorption over the group 8 metal borazine” *International seminar on Interdisciplinary Science Studies* at The standard Fireworks Rajaratnam College for Women, Sivakasi on 20th September, **2019**.

Conference / Seminar Participations:

1. Participated in the “Dr. Homi J. Bhabha centenary celebration” 1 - 2 December **2009** conducted by The American College, Madurai.
2. Participated in the Indo-French seminar on in “Bio-inorganic Approaches to the current health problems” 24 – 28 March **2014**, Organised by Department of Chemistry, Pondicherry University.
3. Participated in *30th Carbohydrate Conference* in Pondicherry University from 29 – 31 December, **2015**.
4. Participated in International conference *International Conference on Frontiers Areas in Chemistry* at The American College, Madurai on 5 July, **2019**.

Workshops and Courses:

1. Workshop on *URKUND*, Anandha Rangapillai Library, Pondicherry University on October 28, **2015**.
2. 4th National Conference on Pharma Sciences Workshop on *Schrödinger Software*, Mother Theresa Post Graduate & Research Institute of Health sciences, Puducherry on October 22, **2016**.
3. Workshop on *Quantum Information Science*, Dept. of Physics, Pondicherry University from February 17-18, **2017**.
4. Short Course on “*Development and Application of Molecular Dynamics*” Pondicherry University, from July 6-8, **2017**.

Personal Details:

Name : T. Christopher Jeyakumar
Father's Name : S. Thayalaraj
Date of Birth : 15.02.1990
Sex : Male
Religion : Christian
Language Known : Tamil, English
Marital Status : Unmarried
Program Skills : Gaussian, ADF, Spartan, Origin, GaussView, GaussSum, PyRx, Chemdraw and MS-office
Practical Experience : UV-Visible Spectrophotometer, FT-Infrared spectrometer and Water/Soil Analysis kit