

CURRICULUM VITAE

Dr. Thirumoorthi Ramalingam (Ph.D),

Assistant Professor
Central University of Rajasthan
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Date of birth and Gender: 22-07-1981, Male

Education and Experience Details

2017 – Till now (Jan-) **Assistant Professor**, Department of Chemistry, Central University of Rajasthan (CURaj) Bandarsindri, Ajmer-Dt.

2016 – 2016 (Mar-Dec) **DST Young Scientist Fellow**, Department of Chemistry, Indian Institute of Technology Madras. Title: *Synthesis, Structure and Optical Properties of Phosphane and/or Chalcogen Stabilized Gold Complex.*

2015 – 2016 (July-Mar) **Assistant Professor (on contract)**, Central University of Tamil Nadu Thiruvavur (CUTN), Department of Chemistry, India.

2014 – 2015 (Dec-May) **Adhoc Faculty**, National Institute of Technology Warangal (NIT W), Department of Chemistry, India.

2013 – 2014 (Dec-Dec) **Adhoc Lecturer**, National Institute of Technology Calicut (NIT C), Department of Chemistry, India.

2012 – 2013 (Nov-Oct) **Research associate**, University of Calgary (U of C), Canada, Department of Chemistry. Title: *Synthesis, Spectroscopic and Structural Characterization of Inorganic Macrocycles Containing Sulphur or Selenium.*

2010 – 2012 (Nov-Oct) **NSERC-Post doctoral fellow**, University of Calgary (U of C), Canada, Department of Chemistry. Title: *Electron-Rich Main Group Methanediides: Structures, Bonding and Insertion Products.*

2010 – 2010 (Jan-Nov) **DARPA-Post doctoral research associate**, University of Massachusetts (UMASS), Amherst, Department of Chemistry. Title: *Polymeric Bulk/Nanogels for Naloxone Delivery.*

2009 – 2009 (Nov-Dec) **DST-Project scientist**, Indian Institute of Technology Kanpur (IITK), Department of Chemistry. Title: *Synthesis and Hydrolysis of Sterically Hindered Diorganotin Compounds.*

2004 – 2009 (July-Oct) **Ph.D-Chemistry**, Indian Institute of Technology Kanpur, Department of Chemistry. Title: *Novel Main Group Macrocycles and Cages Containing Sn-O, Sb-O and Te-O Building Blocks.* Thesis supervisor: Prof. V. Chandrasekhar.

2001 – 2003 **MSc**, General Chemistry, Madurai Kamaraj University, India.

1998 – 2001 **BSc**, General Chemistry, Madurai Kamaraj University, India.

Fellowships and Awards

2016 **DST Young Scientist Fellow**, IIT Madras, India.

2006 – 2009 **Council of Scientific and Industrial Research (CSIR)-Senior Research Fellowship**, IITK

2006 **Cash award** for journal publication, IITK

2004 – 2006 **Council of Scientific and Industrial Research (CSIR)-Junior Research Fellowship**, IITK

2003 Received a certificate from **CSIR** for secured place among **top 20%** awardees in chemical sciences, examination held in June 2003

2003 Qualified with **91.79** percentile score in **Graduate Aptitude Test in Engineering (GATE)**

2003 Received a merit certificate for university **Second rank** in MSc Chemistry

2000 Won **first prize** for intercollegiate *chem puzz* competition held in VHNSN College

2000 Received a certificate from Madurai Kamaraj University for regular activities as volunteer in **National Service Scheme** for three years

2000 Received a certificate for passed second class **Lower level** type writing exam

Professional Skills and experiences

- Synthesis, characterization and purification of organometallic, organic and inorganic compounds
- Handling of air and moisture sensitive compounds using the standard Schlenk technique
- Analysis of UV, IR, Mass, Cyclic Voltammetry and Multinuclear NMR (^{31}P , ^{119}Sn , ^{125}Te , ^{29}Si) techniques
- Operation of instruments such as UV, Fluorescence spectroscopy, Cyclic Voltammetry, TGA, DSC, NMR, Combi flash (R_f 200) and X-ray diffraction
- Single crystal X-ray structural solution and analysis using SHELXTL, WINGX, PLATON, DIAMOND and ORTEP.

Teaching Courses

CHM-401: Chemistry of Main Group Elements
CHM-610: Analytical Chemistry and Inorganic Spectroscopy
CHM-615: Supramolecular Chemistry
CHM-220: Analytical Chemistry Laboratory
CHM-430: Inorganic Chemistry Laboratory-I
CHM-530: Inorganic Chemistry Laboratory-III

List of Students enrolled for PhD

- 1) Mrs. Kisturi Dhanwant (2017PHDCH004), Thesis submitted date: 09th March, 2023; Ph.D. Viva-voce date: 19th April, 2024.
- 2) Mrs. Aarti Saini (2018PHDCH001)
- 3) Mr. Dharmveer (2022PHDCH001)

List of Students guided for UG Project

- 1) Mr. Dinesh Kumar (2014IMSCH025). 2014-'17
- 2) Mr. Deepak Kumar (2014IMSCH004). 2014-'17
- 3) Ms. Anuradha Dixit (2015IMSCH002). 2015-'18
- 4) Mr. Gyan Chand Bhandari (2015IMSCH008). 2015-'18
- 5) Mr. Sumit (2016IMSCH012). 2016-'21
- 6) Ms. Sarita Bijarniya (2017IMSCH011). 2017-'20
- 7) Ms. Muskan Agarwal (2017IMSCH006). 2018-'21
- 8) Mr. Harish Choudhary (2019IMSCH011). 2019-'22
- 9) Ms. Kalpana Yadav (2019IMSCH012). 2019-'22
- 10) Mr. Kushal Bhuradiya (2019IMSCH013). 2019-'22
- 11) Ms. Palak Solanki (2020IMSCH017). 2020-'23
- 12) Ms. Anshuldeep Yadav (2020IMSCH007). 2020-'23

List of Students Guided for PG (MSc) Project

- 1) Mr. Iththisham (2015IMSCH005). 2015-'18 (BCHP601)
Title: Synthesis, Structural Characterization and Fluorescence Study of 1-Naphthyl Substituted Organotin Carboxylates
- 2) Ms. Madhu Bala (2013IMSBCH009). 2014-'17 (ICHP1001)
Title: Ferric Ion Complexes of Acetoacetyl Ferrocene and 1,1-Bis(acetoacetyl) Ferrocene Derivatives
- 3) Mr. Aravkumar Meena (2014IMSCH002). 2014-'19 (ICHP1001)
Title: Cyclopentadienyl Substituted Group 16 Elements
- 4) Ms. Mona Kumawat (2014IMSCH014). 2014-'19 (ICHP1001)
Title: Synthesis, Structure and Photophysical Studies of Naphthyl Substituted Tin Chlorides and Chalcogenides
- 5) Ms. Minakshi Kumari (2016IMSBCH008). 2016-'19 (BCHP601)
Title: Synthesis of Transition Metal Complexes of Ferrocene Acetylacetonato and Their Derivatives

- 6) Ms. Raja Jogi (2016IMSBCH023). 2016-'19 (BCHP601)
Title: Stabilization of Reactive Binary Halide SeCl₂ With 4-Methylpyridine-N-Oxide
- 7) Mr. Suman Kumar Saha (2018MSCH002). 2018-20 (CHP401)
Title: Trapping of 1-Methylnaphthalene Radical by TEMPO
- 8) Ms. Shivani Singh (2015IMSCH020). 2015-'20 (IChP1001)
Title: Synthesis and Characterization of Organosilicon or Organotin Coordinated Coumarin-3-carboxylates
- 9) Mr. Deepak Kumar (2014IMSCH004). 2014-'20 (IChP1001)
Title: Synthesis of Pyrene Substituted Titanium(IV) Carboxylates
- 10) Ms. Prerna (2019MSCH015) 2019-'21 (CHM500)
Title: Synthesis and Characterization of Titanium Complexes of Hydroxymethylferrocene
- 11) Ms. Priyanka Panigrahi (2019MSCH016) 2019-'21 (CHM500)
Title: Synthesis, Characterization and Application of Ferrocenemethylphosphate
- 12) Ms. Shikha Singh (2019MSCH019) 2019-'21 (CHM500)
Title: Synthesis and Characterization of 2-(Trimethylsilyl)methylpyridine Ligand and Their Metal Complexes
- 13) Mr. Punit Kumar (2019IMSBCH017) 2019-'22 (CHM500)
Title: Synthesis of Te(IV) Derivatives of 2-(Trimethylsilyl)methylpyridine.
- 14) Mr. Siddharth Jhingonia (2019IMSBCH027) 2019-'22 (CHM500)
Title: Application of Organotin Compounds in Organic Synthesis.
- 15) Ms. Shabnam Bano (2017IMSCH012) 2017-'22 (CHM500)
Title: Synthesis and Characterization of Phosphate Esters of Ferrocene.
- 16) Ms. Shivangi Tiwari (2019IMSBCH024) 2019-'22 (CHM500)
Title: Synthesis and Characterization of Diorganotin(IV) Dihalides and Diorganotellurium(IV) Dihalides and their Application in C-C Coupling Reactions.
- 17) Mr. Anmol Behera (2020IMSBCH005) 2020-'23 (CHM599)
Title: A Facile Green Synthetic Route for Cross Coupling of 1-Naphthylmethyl & Ferrocenemethyl Based Alcohols With Various Arenes Mediated By Bi(OTf)₃.
- 18) Mr. Dinesh Regar (2020IMSBCH008) 2020-'23 (CHM599)
Title: Synthesis and Characterization of C-C Coupled Products From Reactions of Bis(2,4,6-trimethylbenzyl)tin dibromide with Arenes.
- 19) Mr. Subham Ranjan Sahu (2020IMSBCH024) 2020-'23 (CHM599)
Title: Synthesis and Characterization of Diorganotin(IV) Dihalides and their Application in C-C Bond Forming Reactions.
- 20) Mr. K. R. S. Lalithananda (2018IMSCH019) 2018-'23 (CHM500)
Title: Synthesis, Characterization and Application of Multi-Azobenzene Substituted on Cyclophosphazene Core.
- 21) Mr. Kalamati Nagesh (2021MSCH010) 2021-'23 (CHM500)
Title: Tin Assisted Coupling Of Electronically Deactivated 4-Cyanobenzyl Chloride with different Arenes.
- 22) Mr. Pradeep Kumar (2021MSCH017) 2021-'23 (CHM500)
Title: Tin Assisted 4-Fluorobenzoylation of Arenes.

Current Interests

- Organometallic Chemistry
- C-C bond forming reactions
- Inorganic rings and macrocycles
- Electrochemistry of electroactive materials
- Cages containing main-group elements

Paper Published with CURaj Affiliation

Aarti Saini, Kisturi Dhanwant, Mukesh Verma, Sher Singh Meena, Yugandhar Bitla, **Ramalingam Thirumoorthi**. Observation of cluster spin glass behavior in thermally decomposed nanocrystalline Sn_{0.5}Fe_{0.5}O_{2-δ}. *Materials Advances*, **2024**, 5, 5543-5553.

- Aarti Saini, Dharmveer Bhedi, Kisturi Dhanwant, **Ramalingam Thirumoorthi**. Multi-Azobenzene Moieties On Rigid Cyclotriphosphazene Core: Synthesis, Structural Characterization, Electrochemistry, and Photoisomerization Study. *Journal of Photochemistry and Photobiology A: Chemistry*, **2024**, 452, 115603.
- Ritu Raj Lakshkar, Seema Yadav, **Ramalingam Thirumoorthi**, Sriparna Ray, Chandrakanta Dash. Zinc-bis(imino)pyridine Complexes as Catalysts for Intermolecular Amidation of Benzylic C(sp³)-H Bond. *ChemistrySelect* **2024**, 9, e202302804.
- Deepika Sahil, **Ramalingam Thirumoorthi**, Chandrakanta Dash. Multicomponent click reactions catalyzed by copper(I) complex bearing Bis(imino)pyridine-phosphine ligands. *Inorganic Chemistry Communications*, **2023**, 157, 111323.
- Ashok K Raigar, Kamlesh Saini, Nirmal Jyoti, **Ramalingam Thirumoorthi**, Anjali Guleria. A Green Approach for the Synthesis of 1,4-Diphenylbutadiyne-1,3 via C-H Activated Aerobic C_{sp}-C_{sp} Homocoupling Catalyzed by CuFe₂O₄ Nanoparticles. *ChemistrySelect*, **2023**, 8(12), e202300610.
- Kisturi Dhanwant, Aarti Saini, Tristram Chivers, **Ramalingam Thirumoorthi**. Temperature-Assisted Generation of Arylmethyl Radicals from Bis(arylmethyl)tin Dichlorides: Efficient Reagents for C_{sp}³-C_{sp}² Bond-Forming Reactions. *Chemistry A European Journal*, **2023**, 29(14), e202202844.
- Aarti Saini, Kisturi Dhanwant, Khemchand Dewangan, **Ramalingam Thirumoorthi**, Adhish Jaiswal, Indra Bahadur, Faruq Mohammad, Ahmed Abdullah Soleiman. Flower-like morphological trigonal tellurium (*t-te*): A simple Wet-Chemical preparation approach to obtain semiconducting material. *Results in Materials*, **2023**, 18, 100397.
- Aarti Saini, Kisturi Dhanwant, **Ramalingam Thirumoorthi**. 1-Hydroxy-4-methylpyridinium chloride. *IUCrData*, **2022**, 7, x221023.
- Vadapalli Chandrasekhar, **Ramalingam Thirumoorthi**, Kisturi Dhanwant, Aarti Saini. Photophysical Studies of Organostannoxane Supported Hexafluorophore Assemblies. *Inorganica Chimica Acta*, **2021**, 522, 120378. Citation: 0. Impact factor: 2.433.
- Kisturi Dhanwant, Tristram Chivers, M Bhanuchandra, **Ramalingam Thirumoorthi**. X-ray structures and photophysical properties of Tris (1-naphthyl) silicon (IV) derivatives. *Journal of Molecular Structure*, **2020**, 1219, 128650. Citation: 0. Impact factor: 2.12.
- Satyajit Panda, Ram Singh Jat, Amir Fayaz, Jony Saha, **Ramalingam Thirumoorthi**, Tapta Kanchan Roy, M Bhanuchandra. Conjugated small organic molecules: synthesis and characterization of 4-arylpyrazole-decorated dibenzothiophenes. *New Journal of Chemistry*, **2020**, 44(21), 8944-8951. Citation: 0. Impact factor: 3.069.
- Tanveer A Khan, Kishalay Bhar, **Ramalingam Thirumoorthi**, Tapta Kanchan Roy, Anuj K Sharma. Design, synthesis, characterization and evaluation of the anticancer activity of water-soluble half-sandwich ruthenium (II) arene halido complexes. *New Journal of Chemistry*, **2020**, 44(1), 239-257. Citation: 0. Impact factor: 3.069.
- Ramalingam Thirumoorthi**, Vadapalli Chandrasekhar. Fluorophore-tagged organotellurium and -antimony assemblies. *Inorganica Chimica Acta*, **2019**, 497, 119092. Citation: 0. Impact factor: 2.433.
- Tristram Chivers, **Ramalingam Thirumoorthi**. s-Block metal complexes of PC(H)P-bridged chalcogen-centred methanides: comparisons with isoelectronic PNP-bridged monoanions. *Dalton Transactions*, **2018**, 47, 12493-12505. Citation: 0. Impact factor: 4.177.
- Ramalingam Thirumoorthi**, Tristram Chivers. Structural Comparison Of Lithium Iodide Complexes Of Symmetrical And Unsymmetrical Ligands [CH₂(PPh₂NSiMe₃)(PPh₂NR)] (R = SiMe₃, H). *Journal of Structural Chemistry*, **2018**, 59, 1260-1266. Citation: 0. Impact factor: 0.472.

Articles Published in Outside of Ph.D. Work

Ramalingam Thirumoorthi, Tristram Chivers, Susanna Häggman, Akseli Mansikkamäki, Ian Morgan, Heikki M. Tuononen, Manu Lahtinen, Jari Konu. Synthesis of a Labile Sulfur-Centred Ligand, [S(H)C(PPh₂S)₂]⁻: Structural Diversity in Lithium(I), Zinc(II) and Nickel(II) Complexes. *Dalton Transactions*, **2016**, 45 (32), 12691-12701. Citation: 0. Impact factor: 4.177.

Ramalingam Thirumoorthi, J. Mikko Rautiainen, Risto S. Laitinen, Tristram Chivers. A Ten-membered Dimetallacycle with an Ag₂²⁺ Dication Bridged by Two P,N Ligands. *Zeitschrift für anorganische und allgemeine Chemie*, **2016**, 5, 390-394. Citation: 0. Impact factor: 1.251.

Ramalingam Thirumoorthi, Tristram Chivers. Potassium and Magnesium Complexes of the (Iminophosphoranyl)(selenophosphoranyl)methanide Ligand [CH(PPh₂Se)(PPh₂NSiMe₃)⁻]. *European Journal of Inorganic Chemistry*, **2015**, 13, 2188-2192. Citation: 1. Impact factor: 2.686.

Andreas Nordheider, Katharina Hüll, Kasun S. Athukorala Arachchige, Alexandra M. Z. Slawin, J. Derek Woollins, **Ramalingam Thirumoorthi**, Tristram Chivers. Spirocyclic, Macrocyclic and Ladder Complexes of Coinage Metals and Mercury with Dichalcogeno P₂N₂-Supported Anions. *Dalton Transactions*, **2015**, 44, 5338-5346. Citation: 7. Impact factor: 4.177.

Ramalingam Thirumoorthi, Tristram Chivers, Ignacio Vargas-Baca. Experimental and Computational Investigations of Arsenic (III) and Phosphorus (III) Complexes of Bis(diphenylthiophosphinoyl)methanediide. *Journal of Organometallic Chemistry*, **2014**, 761, 93-97. Citation: 0. Impact factor: 2.173.

Ramalingam Thirumoorthi, Tristram Chivers, Risto S. Laitinen. 1, 1'-(Diselanediybis {[P, P-diphenyl-N-(trimethylsilyl)phosphorimidoyl]methanylylidene})bis[1,1-diphenyl-N-(trimethylsilyl)-λ5-phosphanamine] pentane disolvate. *Acta Crystallographica Section E*, **2014**, O20-O21. Citation: 0. Impact factor: 0.

Ramalingam Thirumoorthi, Tristram Chivers. Octahedral Tin(IV) Complexes of the Chalcogen-Centred Ligands [EC(PPh₂S)₂]²⁻ (E = S, Se). *Zeitschrift für anorganische und allgemeine Chemie*, **2014**, 1, 23-26. Citation: 1. Impact factor: 1.251.

Ramalingam Thirumoorthi, Tristram Chivers, Chris Gendy, Ignacio Vargas-Baca. CH-NH Tautomerism in the Products of the Reactions of the Methanide [HC(PPh₂NSiMe₃)₂]⁻ with Pnictogen and Tellurium Iodides. *Organometallics*, **2013**, 32, 5360-5373. Citation: 2. Impact factor: 4.186.

Philip J. W. Elder, Tristram Chivers, **Ramalingam Thirumoorthi**. Experimental and Computational Investigations of Tautomerism and Fluxionality in PCP- and PNP-bridged Heavy Chalcogenides. *European Journal of Inorganic Chemistry*, **2013**, 16, 2867-2876. Citation: 8. Impact factor: 2.686.

Ramalingam Thirumoorthi, Tristram Chivers. Structure of the Telluroketone TeC(PPh₂NSiMe₃)₂ Coordinated to an Li₈O₆ Cluster. *Polyhedron* **2013**, 53, 230-234. Citation: 1. Impact factor: 2.011.

Andreas Nordheider, Tristram Chivers, **Ramalingam Thirumoorthi**, Kasun S. Athukorala Arachchige, Alexandra M. Z. Slawin, J. Derek Woollins, Ignacio Vargas-Baca. A Planar Dianionic Ditelluride and a Cyclic Tritelluride Supported by P₂N₂ Rings. *Dalton Transactions*, **2013**, 42, 3291-3294. Citation: 12. Impact factor: 4.177.

Ramalingam Thirumoorthi, Tristram Chivers. Alkali Metal, Magnesium, and Zinc Complexes of Bis(chalcogenophosphinoyl)methanide Ligands. *European Journal of Inorganic Chemistry*, **2012**, 18, 3061-3069. Citation: 7. Impact factor: 2.686.

Andreas Nordheider, Tristram Chivers, **Ramalingam Thirumoorthi**, Ignacio Vargas-Baca, John Derek Woollins. Planar P₆E₆ (E = Se, S) Macrocycles Incorporating P₂N₂ Scaffolds. *Chemical Communications*, **2012**, 48, 6346-6348. Citation: 15. Impact factor: 6.567.

Tristram Chivers, Jari Konu, **Ramalingam Thirumoorthi**. PCP-Bridged Chalcogen-Centred Anions: Coordination Chemistry and Carbon-Based Reactivity. *Dalton Transactions*, **2012**, 41, 4283-4295. Citation: 17. Impact factor: 4.177.

Ramalingam Thirumoorthi, Tristram Chivers, Ignacio Vargas-Baca. Experimental and Theoretical Investigations of Tellurium(IV) Methanediides and Their Insertion Products with Sulfur and Iodine. *Organometallics* **2012**, 31, 627-636. Citation: 12. Impact factor: 4.186.

Ramalingam Thirumoorthi, Tristram Chivers, Ignacio Vargas-Baca. S,C,S-Pnictogen Bonding in Pincer Complexes of the Methanediide $[C(Ph_2PS)_2]^{2-}$. *Dalton Transactions*, **2011**, 40, 8086-8088. Citation: 14. Impact factor: 4.177.

Articles Published in Ph.D. Work

Vadapalli Chandrasekhar, **Ramalingam Thirumoorthi**, Ramesh K Metre, Bani Mahanti. Steric Control in the Reactions of 3-Pyrazolecarboxylic Acid with Diorganotin Dichlorides. *Journal of Organometallic Chemistry*, **2011**, 696, 600-606. Citation: 29. Impact factor: 2.173.

Vadapalli Chandrasekhar, **Ramalingam Thirumoorthi**. Coordination Polymers containing Ferrocene Backbone. Synthesis, Structure and Electrochemistry. *Dalton Transactions*, **2010**, 39, 2684-2691. Citation: 25. Impact factor: 4.177.

Vadapalli Chandrasekhar, **Ramalingam Thirumoorthi**. Synthesis and Structure of Diorganotin Dibromides, R_2SnBr_2 (R = 2,4,6-trimethylphenyl or 2,4,6-trimethylbenzyl): Hydrolysis of $(2,4,6-Me_3C_6H_2)_2SnBr_2$. *Journal of Chemical Sciences*, **2010**, 122, 687-695. Citation: 1. Impact factor: 1.085.

Vadapalli Chandrasekhar, **Ramalingam Thirumoorthi**. Halide-Capped Tellurium-Containing Macrocycles. *Inorganic Chemistry*, **2009**, 48, 10330-10337. Citation: 17. Impact factor: 4.820.

Vadapalli Chandrasekhar, **Ramalingam Thirumoorthi**. Tellurasiloxane cages containing $Te_6Si_4O_{12}$ and $Te_6Si_6O_{15}$ Frameworks. *Inorganic Chemistry*, **2009**, 48, 6236-6241. Citation: 8. Impact factor: 4.820.

Vadapalli Chandrasekhar, **Ramalingam Thirumoorthi**. A Nonanuclear Organostiboxane cage. *Organometallics* **2009**, 28, 2637-2639. Citation: 15. Impact factor: 4.186.

Vadapalli Chandrasekhar, **Ramalingam Thirumoorthi**. Reactions of 3,5-Pyrazoledicarboxylic acid with Organotin Chlorides and Oxides. Coordination Polymers containing Organotin Macrocycles. *Organometallics* **2009**, 28, 2096-2106. Citation: 55. Impact factor: 4.186.

Vadapalli Chandrasekhar, **Ramalingam Thirumoorthi**. Facile, Ambient Temperature, Double Sn-C Bond Cleavage: Synthesis, Structure, and Electrochemistry of Organotin and Organotellurium Ferrocenecarboxylates. *European Journal of Inorganic Chemistry*, **2008**, 29, 4578-4585. Citation: 20. Impact factor: 2.686.

Vadapalli Chandrasekhar, Palani Sasikumar, Puja Singh, **Ramalingam Thirumoorthi**, Tapas Senapati. Multi-functional Architectures Supported on Organostannoxane Scaffolds. *Journal of Chemical Sciences*, **2008**, 120, 105-113. Citation: 8. Impact factor: 1.085.

Vadapalli Chandrasekhar, **Ramalingam Thirumoorthi**. 1,1'-Ferrocenedicarboxylate-bridged Redox-Active Organotin and -tellurium containing 16-Membered Macrocycles: Synthesis, Structure, and Electrochemistry. *Organometallics* **2007**, 26, 5415-5422. Citation: 46. Impact factor: 4.186.

Vadapalli Chandrasekhar, **Ramalingam Thirumoorthi**, Ramachandran Azhakar. New Structural Forms of Organostannoxane Macrocyclic Networks. *Organometallics* **2007**, 26, 26-29. Citation: 27. Impact factor: 4.186.

Vadapalli Chandrasekhar, Kandaswamy Gopal, Palani Sasikumar, **Ramalingam Thirumoorthi**. Organooxotin Assemblies from Sn-C Bond Cleavage Reactions. *Coordination Chemistry Reviews*, **2005**, 249, 1745-1765. Citation: 99. Impact factor: 12.994.

Conference Participation by Thirumoorthi Ramalingam

Thirumoorthi R. presented an invited lecture entitled “Thermolysis of Bis(arylmethyl)tin Dichlorides: An Efficient Reagent for C–C and C–N Bond-Forming Reactions” in 20th International Conference on “Modern Trends in Inorganic Chemistry (MTIC-XX)” organized by Department of Chemistry, IISc Bangalore from 14th December to 17th December, **2023**.

Thirumoorthi R. presented a poster entitled “Thermolysis Produces Arylmethyl Radicals From Bis(arylmethyl)tin Dichlorides: Utilization For C–C Bond Forming Reactions” in the one-day symposium “Recent Advances in Inorganic Molecules to Materials (RAIMM-23)” organized by Department of Chemistry, IIT Kanpur on 04th November, **2023**.

Thirumoorthi R. presented a paper entitled “Hexafluorophore Assembled on Organostannoxane Core: Synthesis, Structure, Photophysical and Material Applications” in the National event “4 Minute Research Pitch” organized by IIS (deemed to be University), Jaipur & Govt., Madhav Science PG College, Ujjain on 15th to 16th April, **2022**.

Thirumoorthi Ramalingam, participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 28th February, 2022 to 4th March, **2022**.

Thirumoorthi, R. Inorganic Cored Electroactive/Photoactive Assemblies. Guest speaker in five days FDP through online on *Multifunctional Materials And Their Applications*, MEPCO Schlenk Engineering College, Sivakasi, Tamilnadu, India, September 20–24, **2021**.

Thirumoorthi Ramalingam, awarded A grade in a one week FDP entitled “Systematic Literature Review and Meta-Analysis” from August 10-16, **2021** at TLC, Ramanujan College, University of Delhi.

Thirumoorthi, R. Trichalcogeno PCP Bridged Mono- and Dianion for Transition and Main-Group Metals. Resource person in short term FDP (Gyan Ganga) through online organized by Department of Chemistry, Government College, Kota, India, February 01–06, **2021**.

Thirumoorthi, R. PCP Bridged Mono and Dianion for Main-Group Metal Complexes. Guest speaker in five days FDP through online on *Frontier Research Areas in Chemistry-2020* (FRAC-2020), MEPCO Schlenk Engineering College, Sivakasi, Tamilnadu, India, October 19–23, **2020**.

Thirumoorthi Ramalingam participated in a one week FDP entitled “Implementation of National Education Policy 2020: Role of Faculty Members of HEIs” during November 04-08, **2020** at TLC, Central University of Rajasthan.

Thirumoorthi, R. Oral presentation in *1st International Conference on Frontier Areas of Chemistry*, Mahatma Gandhi Central University, Motihari, Bihar, India, February 28–29, **2020**. Title: Photophysical Studies of Organostannoxane Supported Hexafluorophore Assemblies.

Thirumoorthi, R. Participated in *25th CRSI National Symposium in Chemistry*, IIT Kanpur, Kalyanpur, India, July 19–21, **2019**.

Thirumoorthi, R. Participated in Three days National Workshop on “*Software and Applications of Single Crystal X-Ray Diffraction*”, Sankalchand Patel University, India, August 29–31, **2019**.

Thirumoorthi, R. Awarded ‘A’ Grade in Online Refresher Course in Chemistry for Higher Education Faculty, SWAYAM online course from 01st November **2018** to 28th February **2019**.

Thirumoorthi, R.; Chivers, T.; Vargas-Baca, I. Tautomerism in Group 15 Complexes of [CH(PPh₂NSiMe₃)₂]. Poster presentation in *24th CRSI National Symposium in Chemistry*, CSIR-CLRI, Adyar, Chennai, India, February 08–10, **2019** (poster no. 67).

Thirumoorthi, R.; Chivers, T.; Häggman, S.; Mansikkamäki, A.; Morgan, I. S.; Tuononen, H. M.; Lahtinen, M.; Konu, J. Variable Temperature ^{31}P NMR and Theoretical Study of Nickel Complexes of $[\text{S}(\text{H})\text{C}(\text{PPh}_2\text{S})_2]$. Oral presentation in *International Conference on Frontiers at the Chemistry-Allied Sciences Interface (FCASI 2018)*, University of Rajasthan, Jaipur, India, Dec 21–22, **2018**.

Thirumoorthi, R.; Chivers, T.; Vargas-Baca, I.; Häggman, S.; Mansikkamäki, A.; Morgan, I. S.; Tuononen, H. M.; Lahtinen, M.; Konu, J. Exploitation of Sulfur-Centred PCP Bridged Ligand for Tellurium and Nickel Complexes. Poster presentation in *1st International Symposium on Main-Group Molecules to Materials*, Indian Institute of Science, Bangalore, India, Oct 28–31, **2018**.

Thirumoorthi, R. Participated in “Four Weeks Induction Training Program For Teachers of Higher Education Institutions (Orientation Course)”. Grade: **A**. *Central University of Rajasthan* from 01st May **2018** to 26th May **2018**.

Thirumoorthi, R.; Chivers, T.; Vargas-Baca, I. Synthesis, Structures and DFT Study of Main Group Complexes of PCP-Bridged Thio-Centred Ligands. Oral presentation in *Emerging Trends in Chemical Sciences*, Aligarh Muslim University, Aligarh, India, p. 74, Feb 24 – 25, **2018** (poster no. OP-31).

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Membership

- Indian Science Congress Association (ISCA).
- Chemical Research Society of India.