

**Dr.RICHARD PREM KUMAR J.**

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**Qualification**

Degree	Branch	Institution / University	Year of Passing
PDF	Computational Chemistry	Kyushu University	2015-16
MSc	Chemistry	Bharathidasan University	2008
BSc	Chemistry	Bharathidasan University	2006

**Ph.D. Details**

Title of Thesis		Area of Specialization	
A Theoretical Study of Main Group and Transition Metal Ion Complexation with Hydrocarbon		Computational chemistry	
Research Supervisor	Research Centre	Year of Award	
Dr. G. Narahari Sastry	CSIR-IICT	Nov 2014	

Obtained Post Doctoral Fellowship :	Yes	Agency	JRF
Host Institution :	CSIR-IICT		

Obtained Post Doctoral Fellowship :	Yes	Agency	JRF
Host Institution :	CSIR-IICT		

Cleared NET / SET :	Details	Year of Passing
NET	111111	June 2008

**Work Experience**

Name of Institution	Address of Institution	Designation	From	To
Vivekananda educational institutions	Ilayampalayam, Thiruchengode, Namakkal 637205	Assistant professor	17-08-2016	10-06-2017
Bishop Heber College	Vayalur Road, Puthur, Trichy	Assistant Professor	19/06/2017	Till date

## Table of Contents

1.	<b>Conferences / workshops / Seminars Attended</b>	<b>20</b>
2.	<b>Research Papers Presented</b>	<b>0</b>
3.	<b>Publication in Journals</b>	<b>17</b>
4.	<b>Publication in Books</b>	<b>0</b>
5.	<b>Books Published / Edited</b>	<b>0</b>
6.	<b>Conferences / Workshops / Seminars Organised</b>	<b>0</b>
7.	<b>Research Projects</b>	<b>0</b>
8.	<b>Resource Person</b>	<b>4</b>
9.	<b>Consultancy</b>	<b>0</b>
10.	<b>Awards Recieved</b>	<b>3</b>
11.	<b>Patent</b>	<b>0</b>
12.	<b>Extension Activities Undertaken</b>	<b>0</b>
13.	<b>Professional Membership</b>	<b>0</b>
14.	<b>M.Phil. / Ph.D. Produced</b>	<b>0 / 0</b>

1. International level Conference on **"International conference of Chemical Research and Innovations Today - CRIT 2019"** sponsored by PG and Research Department of Chemistry organized by PG and Research Department of Chemistry at Trichy during 24/02/2019 to 01/01/1900.
2. International level Conference on **"International Conference on Frontiers in Advanced Materials and their Applications"** sponsored by PG and Research Department of Chemistry organized by PG and Research Department of Chemistry at Trichy during 01/09/2018 to 01/09/2018.
3. National level Workshop on **"Accelerators for science and society & Evolution of the Periodic table of Elements and the chart of nuclides"** sponsored by INSA organized by IQAC, Bishop Heber College at Trichy during 18/08/2018 to 01/01/1900.
4. National level Workshop on **"One day Workshop on Examinations and Evaluation Reforms"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 10/03/2018 to 01/01/1900.
5. International level Conference on **"One day International Faculty Workshop"** sponsored by PG and Research Department of Chemistry organized by PG and Research Department of Chemistry at Trichy during 08/02/2018 to 01/01/1900.
6. International level Conference on **"Recent Advancements in Chemical Research"** sponsored by PG and Research Department of Chemistry organized by PG and Research Department of Chemistry at Trichy during 07/02/2018 to 01/01/1900.
7. Regional level Workshop on **"Regional Level Workshop on " Perspective of Chemical Research""** sponsored by PG and Research Department of Chemistry organized by PG and Research Department of Chemistry at Trichy during 06/12/2017 to 01/01/1900.
8. National level Workshop on **"Capacity Building Workshop"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 14/07/2017 to 15/07/2017.
9. National level Conference on **"A National level conference on New Advances in Chemical Sciences"** sponsored by Vivekanandha college of arts and sciences for women organized by Vivekanandha college of arts and sciences for women at Elayampalayam, Tiruchengode, Namakkal during 01/01/2017 to 01/01/1900.
10. National level Conference on **"A National level conference on New Horizons in Chemical Sciences"** sponsored by Vivekanandha college of arts and sciences for women organized by Vivekanandha college of arts and sciences for women at Elayampalayam, Tiruchengode, Namakkal during 01/01/2017 to 01/01/1900.
11. International level Conference on **"An International Conference on Chemistry with Computers"** sponsored by CSIR-IICT organized by CSIR-IICT at Hyderabad during 01/01/2014 to 01/01/1900.
12. International level Conference on **"UK-India MedChem Congress"** sponsored by CSIR-IICT organized by CSIR-IICT at Hyderabad during 01/01/2013 to 01/01/1900.
13. National level Conference on **"Symposium on Theoretical and Computational Chemistry-Frontiers and Challenges"** sponsored by Bharathidasan University organized by Bharathidasan University at Trichy during 01/01/2013 to 01/01/1900.
14. International level Workshop on **"Gaussian workshop"** sponsored by CLRI organized by CLRI at Chennai during 01/01/2012 to 01/01/1900.
15. National level Conference on **"Theoretical Chemistry Symposium"** sponsored by IIT Guwagati organized by IIT Guwagati at Guwagati during 01/01/2012 to 01/01/1900.
16. International level Conference on **"An international conference on 'Applied Theory on Molecular Systems (ATOMS)'"** sponsored by CSIR-IICT organized by CSIR-IICT at IICT-Hyderabad during 01/01/2011 to 01/01/1900.

17. National level Workshop on **"Theoretical Chemistry Symposium"** sponsored by IIT Kanpur organized by IIT Kanpur at Kanpur during 01/01/2010 to 01/01/1900.
18. International level Conference on **"Interface Between Chemistry and Biology: A Perspective Humboldt Kolleg"** sponsored by IICT Hyderabad organized by IICT Hyderabad at Hyderabad during 01/01/2010 to 01/01/1900.
19. National level Conference on **"12th 'CRSI Meeting'"** sponsored by CSIR organized by CRSI at IICT-Hyderabad during 01/01/2010 to 01/01/1900.
20. National level Conference on **"11th 'CRSI Meeting'"** sponsored by CSIR organized by CRSI at Pune during 01/01/1900 to 01/01/1900.



1. **"Antibacterial, in vitro antitumor activity and structural studies of rhodium and iridium complexes featuring the two positional isomers of pyridine carbaldehyde picolinic hydrazone ligand:"** published in Arab. J. Chem. (PEER REVIEW) Vol. 11, Issue No. , January 2018 ISSN : ---.
2. **"Isolation of Cp\*Co(III)-Alkenyl Intermediate in Efficient Cobalt Catalyzed C-H bond Alkenylation with Alkynes"** published in Chem. Eur. J (PEER REVIEW) Vol. 24, Issue No. , January 2018 ISSN : ---.  
Impact factor , Scopus Index 17, h - index , Citation index
3. **"Dehydrative Cp\*Co(III) catalysed C-H bond allenylation"** published in Org. Lett (PEER REVIEW) Vol. 19, Issue No. , March 2017 ISSN : ---.  
Impact factor , Scopus Index 28, h - index , Citation index
4. **"Half-sandwich ruthenium, rhodium and iridium complexes featuring oxime ligands: Structural studies and preliminary investigation of in vitro and in vivo anti-tumour activities:"** published in App. Organometal Chem. (PEER REVIEW) Vol. 31, Issue No. , April 2016 ISSN : ---.
5. **"C-8 selective allylation of quinoline: A case study of  $\beta$ -hydride vs  $\beta$ -hydroxy elimination:"** published in Org. Lett (PEER REVIEW) Vol. 18, Issue No. , March 2016 ISSN : ---.  
Impact factor , Scopus Index 56, h - index , Citation index
6. **"Cobalt-Catalyzed Regioselective Alkenylation of 8-Methylquinoline with Alkynes:"** published in Synfacts (PEER REVIEW) Vol. 12, Issue No. , February 2016 ISSN : ---.
7. **"In vitro biological activity studies of platinum group metal complexes containing N,N'-Bis(picolinoyl)hydrazine ligand:"** published in Curr. Inorg. Chem (PEER REVIEW) Vol. 6, Issue No. , January 2016 ISSN : ---.
8. **"Cp\*Co(III)-Catalyzed C(sp<sup>3</sup>)-H bond activation: A highly stereoselective and regioselective alkenylation of 8-ethylquinoline with alkynes"** published in ACS Catal (PEER REVIEW) Vol. 6, Issue No. , January 2016 ISSN : ---.  
Impact factor , Scopus Index 88, h - index , Citation index
9. **"Synthesis and evaluation of new salicylaldehyde-2-picolinylhydrazone Schiff base compounds of Ru(II), Rh(III) and Ir(III) as in vitro antitumor, antibacterial and fluorescence imaging agents"** published in J. Biol. Inorg. Chem. (PEER REVIEW) Vol. 20, Issue No. 619, February 2015 ISSN : ---.  
Impact factor , Scopus Index 19, h - index , Citation index
10. **"Design and synthesis of tröger's base ditopic receptors: Host-Guest interactions, A combined theoretical and experimental study"** published in Org. Biomol. Chem (PEER REVIEW) Vol. 13, Issue No. , January 2015 ISSN : ---.  
Impact factor , Scopus Index 8, h - index , Citation index
11. **"Cobalt(III) catalyzed C-8 selective C-H and C-O coupling of quinoline N-oxide with internal alkynes via C-H activation and oxygen atom transfer:"** published in Chem Comm (PEER REVIEW) Vol. 52, Issue No. , January 2015 ISSN : ---.  
Impact factor , Scopus Index 66, h - index , Citation index

12. **"Cation-alkane interaction"** published in J Phys Chem A (PEER REVIEW) Vol. 118, Issue No. , September 2014 ISSN : ---.

Impact factor , Scopus Index 16, h - index , Citation index

13. **"1:1 and 2:1 CocrySTALLizations of alkoxy-substituted naphthalene derivatives with octafluoronaphthalene through arene-perfluoroarene interactions"** published in Journal of Fluorine Chemistry (PEER REVIEW) Vol. 168, Issue No. , June 2014 ISSN : ---.

Impact factor , Scopus Index 2, h - index , Citation index

14. **"Quantifying dispersion interaction - A study of alkane and alkene dimers"** published in Indian J. Chem. Sect A (PEER REVIEW) Vol. 53, Issue No. , May 2014 ISSN : ---.

Impact factor , Scopus Index 4, h - index , Citation index

15. **"The trans opening of ethylene diamine tetra acetic acid bis anhydride (EDTAA) with cystine-di-OMe: one-step synthesis of bihelical systems"** published in Tetrahedron Letters (PEER REVIEW) Vol. 55, Issue No. , January 2014 ISSN : ---.

Impact factor , Scopus Index 1, h - index , Citation index

16. **"Significance of the alkene size and nature of metal ion in metal-alkene complexes: A theoretical study."** published in Dalton Trans (PEER REVIEW) Vol. 41, Issue No. , January 1900 ISSN : ---.

Impact factor , Scopus Index , h - index , Citation index 30

17. **"Iodine-catalyzed tandem synthesis of terminal acetals and glycol mono esters from olefins:"** published in Chem Comm (PEER REVIEW) Vol. 49, Issue No. , January 1900 ISSN : ---.

Impact factor , Scopus Index 17, h - index , Citation index

#### Awards Recieved - 3

Award Name	Presented by	Year	Level	Instituted by / Place	amount
SRF	CSIR	01/02/2011	NATIONAL	IICT Hyderabad	
JRF	CSIR	01/01/2009	NATIONAL	IICT Hyderabad	
JRF + LS	CSIR	22/06/2008	NATIONAL		

#### RESOURCE PERSON - 4

- College level Orientation on **"Recent Developments in Research and Advanced Analytical Methods in Research"** at Trichy, 01/03/2019.
- College level Workshop on **"Applications of Computer In Chemistry"** at Trichy, 11/02/2019.
- College level Workshop on **"Preparative Workshop in Chemistry for the IIT JAM-2019"** at Trichy, 12/12/2018.
- Regional level Workshop on **"Regional Level Workshop on Perspective of Chemical Research"** at Trichy, 06/12/2018.

