

**Government Arts college (Autonomous),
Coimbatore –18
Performance - Teacher Appraisal
Report**

i) General Information



- a) Name : **Dr. G. RAJAGOPAL**
- b) Address (Residential) : A2, Second Floor,
Vedhapuri Apartment,
Ramalinga Nagar 4th
Cross, K.K. Pudur,
Coimbatore 641038
- c) Designation : Associate Professor
- d) Department : CHEMISTRY
- e) Date of Birth : 28-07-1969
- f) Area of Specialization : Inorganic, catalysis and Nanochemistry

A) Academic Qualifications

Examination passed	Board / university	Subject	Year	Division/ Grade/ Merit, etc.
Class X	Board of Secondary Education, TN	General	1984	First Class
Class XII	Board of Higher Secondary Education, TN	Physics, Chemistry, Biology and Mathematics	1986	First Class

B.Sc,	Saraswathi Narayanan College, Madurai, Madurai Kamaraj University	Chemistry	1989	First Class
M.Sc.,	Ayya Nadar Janaki Ammal College, Kamaraj University	Chemistry	1991	First class with distinction
Ph.D.,	Madurai Kamaraj University	Inorganic Chemistry	1997	Highly Commended

ii) Research Experience & Training

Research stage	Title of thesis	University where the work was carried out.
Ph.D	Synthesis and Spectral Characterization of Metal Complexes of carbonyls and multidentate Schiff base bases	Madurai Kamaraj University, Madurai
No of Publication	Please Refer Annexure A	
Research guidance(give the names of students guided successfully)	Please Refer Annexure B	
Training	Post Doctoral Fellow at INHA UNIVERSITY, SOUTH KOREA- Rece9ved Brainpool Korea Fellowship-2008	

Annexure A

List of Publications

https://scholar.google.co.in/citations?hl=en&user=ydfXg2wAAAAJ&view_op=list_works&sortby=pubdate

S. No	Title	Authors	Journal	DOI No	Volume, Year, Page No	Impact Factor
1	An anti-inflammatory controlled nano drug release and pH-responsive poly lactic acid appended magnetic nanosphere for drug delivery applications	Selvaraj Esthar, Jegathalaprathaban Rajesh, Srinivasan Ayyanaar, Gujuluva Gangatharan Vinoth Kumar, Sundaram Thanigaivel, Thomas J Webster, Gurusamy Rajagopal	Materials Today Communications	10.1016/j.mtcomm.2023.105365	34, 2023, 105365	4.1
2	An effective biodegradable curcumin loaded magnetic microsphere:	Selvaraj Esthar, Jegathalaprathaban Rajesh, Natarajan Prakash, Srinivasan Ayyanaar, R. Bhaskar, Sundaram Thanigaivel, Thomas J. Webster, Gurusamy	Pharmacological Research-Modern Chinese Medicine	10.1016/j.prmcm.2023.100219	2023, 100219,	1.6

	Applications for drug delivery and cancer treatment	Rajagopal				
3	A simple trip, henylamine based turn-off fluorescent sensor for copper (II) ion detection in semi-aqueous solutions	Dhanushkodi Mohanasundaram, R Bhaskar, N Lenin, Kasi Nehru, G Rajagopal, Gujuluva Gangatharan Vinoth Kumar, Jegathalaprathaban Rajesh	Journal of Photochemistry and Photobiology A: Chemistry	10.1016/j.jphotochem.2022.113850	427, 2022, 113850	8.6
4	Design and development of 5-fluorouracil loaded biodegradable magnetic microspheres as site-specific drug delivery vehicle for cancer therapy	Srinivasan Ayyanaar, R Bhaskar, Selvaraj Esthar, Manokaran Vadivel, Jegathalaprathaban Rajesh, Gurusamy Rajagopal	Journal of Magnetism and Magnetic Materials	10.1016/j.jmmm.2021.168853	546, 2022, 168853	5.6
5	Synthesis, spectroscopic and crystal structure of nickel (II) complex of thiosemicarbazone based Schiff base: Antimicrobial, anticancer and molecular docking studies	Balasubramanian Karpagam, Murugesan Sankarganesh, Lokesh Ravi, Mookkandi Palsamy Kesavan, Gujuluva Gangatharan Vinoth Kumar, Gurusamy Rajagopal, Jegathalaprathaban Rajesh	Inorganic Chemistry Communications	10.1016/j.inoche.2021.108850	132, 2021, 108850	4.6
6	Synthesis, structure, DNA/protein molecular docking and biological studies of hydrazone ligand derived Cu (II) and VO (IV) complexes	Ayyavoo Thirugnanasundar, Mookkandi Palsamy Kesavan, Shanmugaiah Mathan Kumar, Lokesh Ravi, R Bhaskar, Gurusamy Rajagopal, Jegathalaprathaban	Inorganica Chimica Acta	526, 2021, 120543	10.1016/j.inoche.2021.120543	5.6

		Rajesh				
7	Quinoline-Proline, Triazole Hybrids: Design, Synthesis, Antituberculosis, Molecular Docking, and ADMET Studies	Moorthiamma Sarathy Ganesan, Kamatchi Kanmani Raja, Sankaranarayanan Murugesan, Banoth Karankumar, Faheem Faheem, Sappanimuthu Thiruvukkarasu, Gauri Shetye, Rui Ma, Scott G Franzblau, Baojie Wan, Gurusamy Rajagopal	Journal of Heterocyclic Chemistry	10.1002/jhet.4229	58,2021, 952-968	1.4
8	A quinoline based Schiff base as a turn-on fluorescence chemosensor for selective and robust detection of Cd ²⁺ ion in semi-aqueous medium	Dhanushkodi Mohanasundaram, R Bhaskar, Gujuluva Gangatharan Vinoth Kumar, Jegathalaprathaban Rajesh, Gurusamy Rajagopal	Microchemical Journal	10.1016/j.microc.2021.106030	164,2021, 106030	3.5
9	ROS-responsive chitosan coated magnetic iron oxide nanoparticles as potential vehicles for targeted drug delivery in cancer therapy	Srinivasan Ayyanaar, Chandrasekar Balachandran, Rangaswamy Chinnababha Bhaskar, Mookkandi Palsamy Kesavan, Shin Aoki, Ramachandran Palpandi Raja, Jegathalaprathaban Rajesh, Thomas J Webster, Gurusamy Rajagopal	International Journal of Nanomedicine	10.2147/IJN.S249240	15, 2020 3333	6.5
10	Iron oxide nanoparticle core-shell magnetic microspheres: Applications toward	Srinivasan Ayyanaar, Mookkandi Palsamy Kesavan, Chandrasekar Balachandran, Swetha Rasala,	Nanomedicine: Nanotechnology, Biology	10.1016/j.nano.2019.102134	24, 2020, 102134	5.5

	targeted drug delivery	PerumalRameshkumar , Shin Aoki, Jegathalaprathaban Rajesh, Thomas J Webster, GurusamyRajagopal	and Medicine			
11	Synthesis, biological evaluation, molecular docking, molecular dynamics and DFT studies of quinoline-fluoroproline amide hybrids	MS Ganesan, K Kanmani Raja, S Murugesan, Banoth Karan Kumar, G Rajagopal, S Thirunavukkarasu	Journal of Molecular Structure	10.1016/j.molstruc.2020.128360	1217, 2020, 128360	2.0
12	Bidentate Schiff Base Ligands Appended Metal(II) Complexes as Probes of DNA and Plasma Protein: In Silico Molecular Modelling Studies	Chandrasekhar Vidya Rani, MookkandiPalsamyKesavan, Sheik Haseena, RajapandianVaratharaj, Jegathalaprathaban Rajesh & GurusamyRajagopal	Applied Biochemistry and Biotechnology	10.1007/s12010-020-03270-5	191, 2020, 1515–1532	1.6
13	Biological Impacts of Metal (II) Complex–Based DNA Probes Derived from Bidentate N, O Donor Schiff Base Ligand	Irudayaraj Bernadette Amali, MookkandiPalsamyKesavan, VijayaparthisarathiVijayakumar, RamalingamRajasekaran, Jegathalaprathaban Rajesh, Gurusamy Rajagopal	Applied biochemistry and biotechnology	10.1007/s12010-019-03110-1	190, 2020, 373-390	1.6
14	Corrigendum to'atheranosticnanoc	MookkandiPalsamyKesavan, Niranjana G	Nanomedicine:	10.1016/j.nano.2020.102	25, 2020, 102193-	6.5

	omposite system based on iron oxide-drug nanocages for targeted magnetic field responsive chemotherapy'Nano medicine: Nanotechnology, biology	Kotla, Srinivasan Ayyanaar, GujuluvaGangatharan Vinoth Kumar, GurusamyRajagopal, Gandhi Sivaraman, Thomas J Webster, Jegathalaprathaban Rajesh	nanotechno logy, biology, and medicine	193	102193	
15	Structural analysis, antimicrobial and cytotoxic studies on new metal (II) complexes containing N2O2 donor Schiff base ligand	Irudayaraj Bernadette Amali, MookkandiPalsamyK esavan, VijayaparthasarathiVij ayakumar, N Indra Gandhi, Jegathalaprathaban Rajesh, GurusamyRajagopal	Journal of Molecular Structure	10.1016/j.m olstruc.2019 .02.005	1183, 2019, 342-350	2.0
16	A novel curcumin-loaded PLGA micromagnetic composite system for controlled and pH-responsive drug delivery	Srinivasan Ayyanaar, MookkandiPalsamyK esavan, Gandhi Sivaraman, BalajiMaddiboyina, JamespandiAnnaraj, Jegathalaprathaban Rajesh, GurusamyRajagopal	Colloids and Surfaces A: Physicoche mical and Engineerin g Aspects	10.1016/j.co lsurfa.2019. 04.062	573,2019, 188-195	3.2
17	Reactive oxygen species (ROS)-responsive microspheres for targeted drug delivery of camptothecin	S. Ayyanaar , M.P. Kesavan , G. Sivaraman , R. Palpandi Raja , V.Vijayakumar , Jegathalaprathaban Rajesh, GurusamyRajagopal	Journal of Drug Delivery Science and Technolog y	10.1016/j.jd dst.2019.05. 036	52, 2019, 722-729	2.6

18	Synthesis, physicochemical characterization and structural studies of new Schiff base ligand and its metal (II) complexes: In silico molecular docking analysis antimicrobial activity and cytotoxicity	C. Vidya Rani, M.P. Kesavan, G.G. Vinoth Kumar, M.J.D. Jeyaraj, J. Rajesh, G. Rajagopal.	, Applied Organometallic Chemistry	10.1002/aoc.4538	32, 2018, 1-13	2.4
19	A reversible fluorescent chemosensor for the rapid detection of Hg ²⁺ in an aqueous solution: Its logic gates behavior.	G.G.V. Kumar, M.P. Kesavan, A. Tamilselvi, G. Rajagopal, J.D. Raja, K. Sakthipandi, J. Rajesh, G. Sivaraman	Sensors and Actuators B: Chemical,	10.1016/j.snb.2018.06.067	273, 2018, 305-315	5.6
20	Crystal structure, optical properties, DFT analysis of new morpholine based Schiff base ligands and their copper (II) complexes: DNA, protein docking analyses, antibacterial study and anticancer evaluation	K. Dhahagani, M.P. Kesavan, K.G.G. Vinoth, L. Ravi, G. Rajagopal, J. Rajesh	Materials Science and Engineering: C	10.1016/j.msec.2018.04.032	90, 2018, 119-130	5.0
21	A theranostic nanocomposite system based on iron oxide-drug nanocages for targeted magnetic field responsive chemotherapy.	M.P. Kesavan, N.G. Kotla, S. Ayyanaar, G.G.V. Kumar, G. Rajagopal, G. Sivaraman, T.J. Webster, J. Rajesh	Nanomedicine: Nanotechnology, Biology and Medicine	10.1016/j.nano.2018.04.013.	.14, 2018, 1643-1654	6.5

22	New anthracene based Schiff base ligands appended Cu (II) complexes: Theoretical study, DNA binding and cleavage activities.	A. Gubendran, G.G.V. Kumar, M.P. Kesavan, G. Rajagopal, P. Athappan. J. Rajesh	Applied Organometallic Chemistry	10.1002/aoc.4128.	32, 2018, e4128	2.4
23	New heteroleptic Zn (II) complexes of thiosemicarbazone and diimine Co-Ligands: Structural analysis and their biological impacts.	S.M. Kumar, M.P. Kesavan, G.G.V. Kumar, M. Sankarganesh, G. Rajagopal, J. Rajesh.	Journal of Molecular Structure	10.1016/j.molstruc.2017.09.070.	1153, 2018, 1-11	2.0
24	DNA interaction and cleavage studies of ancillary chiral ligand and N, N-donor ligands coordinated platinum (II) complexes.	J. Rajesh, M.P. Kesavan, S. Ayyanaar, K. Karthikeyan, G. Rajagopal, P. Athappan.	Applied Organometallic Chemistry	10.1002/aoc.3868	31, 2017, 1-12	3.5
25	Natural alkaloid Luotonin A and its affixed acceptor molecules: Serum albumin binding studies.	M.P. Kesavan, G.G.V. Kumar, K. Anitha, L. Ravi, J.D. Raja, G. Rajagopal, J. Rajesh.	Journal of Photochemistry and Photobiology B: Biology	10.1016/j.jphotobiol.2017.06.030	173, 2017, 499-507	3.1
26	Bis (4, 6-di-tert-butyl-2-{N-[4-(diethylamino) phenyl] carboximidoyl}	C.V. Rani, L. Mitu, G. Chakkaravarthi, G. Rajagopal.	IUCrData	10.1107/S2414314617007842	2, 2017, x170784,	

	phenolato) cobalt (II).					
27	4, 6-Di-tert-butyl-2- {(E)-[4-(dimethylamino)phenylimino]methyl} phenol	CV Rani, L Mitu, G Chakkaravarthi, G Rajagopal	International Union of Crystallography	10.1107/S2414314617003960	2, 2017, x170396	
28	Synthesis, Characterization and Biological Activity of Zn (II) Complexes with Dibasic Tridentate ONS-Donor Ligand.	B. Karpagam, S. KUMAR, J. Rajesh, K. Dhahagani, G. Rajagopal	Asian Journal of Chemistry	10.1002/aoc.4762	11, 2016, 2487-2494	0.2
29	Synthesis, Characterization and Biological Studies of Cu (II), Ni (II), Co (II) and VO (IV) Complexes of Tridentate ONO Donor with N'-[(E)-3-Bromo-5-chloro-2-hydroxybenzylidene nicotinohydrazide have been synthesized and characterized by NMR, MS, IR, electronic, magnetic measurements, EPR, redox properties and XRD.	M. Prabhu, K. Parthiban, G. Chakkaravarthi, E.Prabakaran, G. Rajagopal	Asian Journal of Chemistry	10.14233/ajchem.2016.19780	28(8):1661-1666, 2016	0.2
30	Crystal structure of [1-(3-ethoxy-2-oxidobenzylidene-	B. Karpagam, G. Chakkaravarthi, G.	Acta Crystallographica Section E:		71, 1293-1294, 2015	0.3

	κ^2 -4-phenylthiosemicarbazidato- κ^2 N1, S](triphenylphosphane- κ^1 P) nickel (II).	Rajagopal	Crystallographic Communications	10.1107/S2056989015021660		
31	Synthesis, characterization, crystal structure and cytotoxic properties of thiosemicarbazide Ni (II) and Zn (II) complexes.	S.M. Kumar, J. Rajesh, K. Anitha, K. Dhahagani, M. Marappan, N.I. Gandhi, G. Rajagopal.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy.	10.1016/j.saa.2015.01.080	142, 292-302, 2015	2.8
32	Synthesis, structural analysis and cytotoxic effect of copper (II)-thiosemicarbazone complexes having heterocyclic bases: A selective naked eye sensor for F ⁻ and CN ⁻	S Mathan Kumar, K Dhahagani, J Rajesh, K Anitha, G Chakkaravarthi, N Kanakachalam, M Marappan, G Rajagopal	Polyhedron	10.1016/j.poly.2014.09.044	85, 2015, 830-840	2.6
33	Crystal structure of (E)-5-diethylamino-2-((4-(dimethylamino)phenyl)imino)methyl phenol	C Vidya Rani, G Chakkaravarthi, G Rajagopal	Acta Crystallographica Section E: Crystallographic Communications	10.1107/S2056989015011779	71, 2015, o503-o503	0.3
34	In vitro antimicrobial and antioxidant evaluation of rare earth metal Schiff base complexes derived from	K. Kanmani Raja, L. Lekha, R. Hariharan, G. Rajagopal, D. Easwaramoorthy.	Applied Organometallic Chemistry, In press	10.1016/j.poly.2014.09.044	5, 2015, 23-29	2.02

	threonine.					
35	Synthesis and spectral characterization of Schiff base complexes of Cu (II), Co (II), Zn (II) and VO (IV) containing 4-(4-aminophenyl)morpholine derivatives: Antimicrobial	K Dhahagani, S Mathan Kumar, G Chakkaravarthi, K Anitha, J Rajesh, A Ramu, G Rajagopal	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	10.1016/j.saa.2013.07.101	117, 2015, 87-94	2.16
36	Schiff Base Complexes of Rare Earth Metal ions: Synthesis, Characterization and Catalytic Activity for the Oxidation of Aniline and substituted Anilines.	L. Lekha, K. Kanmani Raja, G. Rajagopal, D. Easwaramoorthy.	J. Organomet. Chem.	10.1016/j.jorganchem.2013.12.014	Volume 753, 1 March 2014, Pages 72-80	2.10
37	Synthesis, structural, spectral, electrochemical and catalytic properties of VO (IV) complexes containing N, O donors.	K. Kanmani Raja, L. Lekha, R. Hariharan, D. Easwaramoorthy, and G. Rajagopal*.	J. Mol. Structure	10.1016/j.molstruc.2014.06.086	1075, 227, (2014)	1.6
38	Synthesis, growth, characterization, structure and molecular docking studies of 1-[(E)-{[4-(morpholin-4-yl)phenyl]imino}methyl]naphthalen-2-ol single crystal: A potential antimicrobial agent.	S. Ranjith, P. Sugumar, G. Rajagopal*, M. Udayakumar, and M.N. Ponnuswamy.	J. Mol. Structure, 1065–	10.1016/j.molstruc.2014.02.025	1066, 21 (2014).	1.6

39	Synthesis, spectral, electrochemical and catalytic properties of Ru(III) Schiff base complexes containing N, O donors.	K. Kanmani Raja, N. Indra Gandhi, L.Lekha, D. Easwaramoorthy, and G. Rajagopal*.	J.Mol.Structure,	10.1016/j.molstruc.2013.12.048	1060, 49, (2014).	1.6
40	Synthesis, spectroscopic characterization and antibacterial studies of lanthanide(III) Schiff base complexes containing N, O donor atoms.	L. Lekha, K. Kanmani Raja, G. Rajagopal, and D. Easwaramoorthy.	J.Mol.Structure,	10.1016/j.molstruc.2013.10.014	1056, 307 (2014).	1.6
41	Synthesis, characterization, structural analysis of metal(II) complexes of N'-[(E)-3-Bromo-5-Chloro-2-hydroxybenzidine]-4-hydroxybenzohydrazide—Multisubstituted Schiff base as a F ⁻ and Cu ²⁺ ions selective chemosensor.	A. Sundar, M. Prabhu, N. Indra Gandhi, M. Marappan, and G. Rajagopal*.	Spectrochim. Acta A,	10.1016/j.saa.2014.03.084	129-509, (2014).	2.16
42	N-[(E)-3-Bromo-5-chloro-2-hydroxybenzylidene]furan-2-carbohydrazide.	A. Sundar, S. Ranjith and G. Rajagopal*.	Acta Cryst.	10.1107/S160053681401085X	E70, o670, (2014).	0.57
43	Synthesis and spectral characterization of Schiff base complexes of Cu (II), Co (II), Zn (II)	K Dhahagani, S Mathan Kumar, G Chakkaravarthi, K Anitha, J Rajesh, A Ramu, G Rajagopal	Spectrochimica Acta Part A: Molecular and Biomolecul	10.1016/j.saa.2013.07.101	117, 2014 87-94	3.2

	and VO (IV) containing 4-(4-aminophenyl) morpholine derivatives: Antimicrobial		ar Spectroscopy			
45	Synthesis, spectral characterization and antimicrobial assessment of Schiff Base ligand derived from amino acid and its transition metal Complexes.	L. Lekha, K. Kanmani Raja, G. Rajagopal, and D. Easwaramoorthy.	I. J. Chem. and Pharm. Sci,	10.1107/S160053681401085X	4 345, (2013).	
46	Synthesis, characterization, structural analysis and DNA binding studies of nickel(II)–triphenylphosphine complex of ONS donor ligand – Multisubstitutedthiosemicarbazone as highly selective sensor for fluoride ion.	S. Mathan Kumar, K. Dhahagani, J. Rajesh, K. Nehru, J. Annaraj, G. Chakkaravarthi, G. Rajagopal*.	Polyhedron ,	/10.1016/j.poly.2013.04.048	59, 58, (2013).	2.06
47	Analytical methods to determine the comparative DNA binding studies of curcumin–Cu(II) complexes.	J. Rajesh, M.aRajasekaran, G. Rajagopal P. Athappan	Spectrochim. Acta A	10.1016/j.saa.2012.05.006	97, 223 (2012).	2.16
48	Synthesis, spectra and DNA interactions of certain mononuclear transition metal(II) complexes of	J. Rajesh, A. Gubendran, G. Rajagopal, PR. Athappan.	J. Mol. Structure	10.1016/j.molstruc.2011.12.002	1010, 169, 2012	1.6

	macrocyclictetraazad iacetyl curcumin ligand.					
49	4-Chloro-2-[(2,6-diisopropylphenyl)iminomethyl]phenol.	P. Balamurugan, K. Kanmani Raja, D. Easwaramoorthy, G. Chakkaravarthi and G. Rajagopal*.	,ActaCryst.	10.1107/S1600536812020612	E68, o1721. (2012)	0.57
50	2-[(2,6-Diisopropylphenyl)-imino-methyl]-4-iodophenol.	P. Balamurugan, K. K. Raja, I. M. Bilal, G. Chakkaravarthi and G. Rajagopal*.	ActaCryst.	10.1107/S1600536812023653	E68, o1915. (2012).	0.57
51	(E)-4-Bromo-2-[(2,6-diisopropyl phenyl)iminomethyl]phenol.	P. Balamurugan, K. K. Raja, S. K. Rani, G. Chakkaravarthi and G. Rajagopal*.	ActaCryst.	10.1107/S1600536812021605	E68, o1782, (2012).	0.57
52	Asymmetric Henry reaction of aldehydes catalyzed by recyclable an MCM-41 supported copper(II) salen complex.	KaruthamohamedDhahagani, Jegathalaprathaban Rajesh, RamanujamKannan, G. Rajagopal*.	Tetrahedron: Asymmetry	10.1016/j.tetasy.2011.04.020	22, 857, (2011).	2.65
53	5-Methoxy-2-{[4-(morpholin-4-yl)phenyl]iminomethyl} phenol.	K. Dhahagani, K. Manvizhi, G. Chakkaravarthi, G. Anbalagan and G. Rajagopal*.	Acta Cryst.	10.1107/S1600536811034659	E67, o2501, (2011).	0.57

54	(E)-N'-(3-Bromo-5-chloro-2-hydroxybenzylidene) nicotinothiazide.	M. Prabhu, K. Parthipan, A. Ramu, G. Chakkaravarthi and G. Rajagopal*.	Acta Cryst.		E67, o2716, (2011).	0.57
56	N'-[(1E)-3-Bromo-5-chloro-2-hydroxybenzylidene]-4-tert-butylbenzohydrazide ethanol monosolvate	A.Thirugnanasundar, K Parthipan, VS Xavier Anthonisamy, G Chakkaravarthi, G Rajagopal	ActaCrysta llographica Section E: Structure Reports Online	10.1107/S160053681104027X	67,2011,o2857-02857	0.5
57	4-[(E)-(4-Diethylamino-2-hydroxybenzylidene) amino]-1, 5-dimethyl-2-phenyl-1H-pyrazol-3 (2H)-one	K Manvizhi, G Chakkaravarthi, G Anbalagan, G Rajagopal	ActaCrysta llographica Section E: Structure Reports Online	10.1107/S1600536811037615	67, 2011, o2692-02692	0.5
58	N'-[(E)-2-Hydroxy-3, 5-diiodobenzylidene] pyridine-3-carbohydrazide	A Thirugnanasundar, J Suresh, A Ramu, G RajaGopal	ActaCrysta llographica Section E: Structure Reports Online	10.1107/S160053681103176X	67, 2011, o2303-02303	0.5
59	N'-[(1E)-4-Diethylamino-2-hydroxybenzylidene] benzohydrazide	M Prabhu, C Meenakshi, G Chakkaravarthi, G Rajagopal	ActaCrysta llographica Section E: Structure Reports Online	10.1107/S160053681103652X	67,2011, o2633-02633	0.5
60	N'-[(E)-3-Bromo-5-chloro-2-hydroxybenzylidene] furan-2-carbohydrazide	A Sundar, S Ranjith, G Rajagopal	ActaCrysta llographica Section E: Structure Reports Online	10.1107/S160053681401085X	67,2011, o2633-02635	0.5
61	Asymmetric cyanosilylation of	G. Rajagopal*.ShanmugamSelvaraj,	Tetrahedron:	10.1016/j.tet	21, 2265,	2.65

	ketones catalyzed by recyclable polymer-supported copper(II) salen complexes	Karuthamohamed Dhahagani,	Asymmetry	asy.2010.07.029	2010	
62	Asymmetric Cyanosilylation with Supported Cu (II) Salen Complexes	G Rajagopal, S Selvaraj, K Dhahagani	Tetrahedron: Asymmetry	10.1055/s-0030-1258916	2010, 2010, 1436-1436	2.65
63	2-[[4-(Diethylamino)phenyl]iminomethyl]-4,6-diiodophenol	A Thirugnan Sundar, G Rajagopal, S Murugavel, A Subbiah Pandi	Acta Crystallographica Section E: Structure Reports Online	10.1107/S160053681004417X	64, 2010, o3089-o3089	0.2
64	2-Bromo-4-chloro-6-((E)-[4-(diethylamino)phenyl]iminomethyl)phenol	K Manvizhi, S Ranjith, K Parthiban, G Rajagopal, A Subbiah Pandi	Acta Crystallographica Section E: Structure Reports Online	10.1107/S1600536810033738	66, 2010, o2422-o2422	0.2
65	Nafion® SAC-13: heterogeneous and reusable catalyst for the activation of HMDS for efficient and selective O-silylation reactions under solvent-free condition	Gurusamy Rajagopal, Hanbin Lee, Sung Soo Kim	Tetrahedron	10.1016/j.tet.2009.04.025	65, 2009, 4735-4741	2.2
66	Synthesis of α -aryl nitriles through B(C ₆ F ₅) ₃ -catalyzed direct cyanation of α -aryl alcohols and thiols	Gurusamy Rajagopal, Sung Soo Kim	Tetrahedron	10.1016/j.tet.2009.03.073	65, 2009, 4351-4355	2.2

67	Synthesis, spectral, electrochemical and catalytic properties of Cu (II), Ni (II) and Co (II) complexes containing N, O donors	K Kanmani Raja, D Easwaramoorthy, S Kutti Rani, J Rajesh, Y Jorapur, S Thambidurai, PR Athappan, G Rajagopal	Journal of Molecular Catalysis A: Chemical	10.1016/j.molcata.2008.12.021	303,2009, 52-59	4.7
68	Synthesis, spectroscopic characterization, electrochemical behaviour and antibacterial activity of Ru (III) complexes of 2-[(4-N, N'-dimethylaminophenylimino)-methyl]-4-halophenol	G Puthilibai, S Vasudhevan, S Kutti Rani, G Rajagopal	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	10.1016/j.saa.2008.11.019	72, 2009, 796-800	3.2
69	Poly (ethylene glycol)(PEG) as an efficient and recyclable reaction medium for the synthesis of dibenz [b, f]-1, 4-oxazepine	Yogesh R Jorapur, Gurusamy Rajagopal, Prakash J Saikia, Ravindra R Pal	Tetrahedron Letters	10.1016/j.tetlet.2007.12.115	49,2008, 1495-1497	2.3
70	2-Bromo-4-chloro-6-[(2, 6-diisopropylphenyl)iminomethyl] phenol	K Kanmani Raja, I Mohammed Bilal, S Thambidurai, G Rajagopal, A SubbiahPandi	Acta Crystallographica Section E: Structure Reports Online	10.1107/S1600536808035071	64,2008, o2265-o2265	0.2
71	2-Bromo-4-chloro-6-(4-	G Puthilibai, S Vasudhevan, G	Acta Crystallographica	10.1107/S16	64, 2008, o1333-	0.2

	fluorophenyliminomethyl phenol	Rajagopal	Section E: Structure Reports Online	00536808017443	o1333	
72	Crystal Structure of 3-[1-(4-Bromophenylamino)ethylidene]-6-methylpyran-2, 4-dione	P Balamurugan, R Jagan, K Parthiban, G Rajagopal, K Sivakumar	Analytical Sciences: X-ray Structure Analysis Online	10.2116/analyticalscix.24.x295	24, 2008, x295-x296	0.1
73	Cyanosilylation of carbonyl compounds catalyzed by sodium L-histidine	Soney C George, Sung Soo Kim, GurusamyRajagopal	Applied Organometallic Chemistry	10.1002/aoc.1278	21, 2007, 798-803	3.5
74	Aluminum phthalocyanine: an active and simple catalyst for cyanosilylation of aldehydes	GurusamyRajagopal, Sung Soo Kim, Soney C George	Applied Organometallic Chemistry	10.1002/aoc.1189	21, 2007, 198-202	3.5
75	Solvent-free cyanosilylation of ketones with (CH ₃) ₃ SiCN (TMSCN) catalyzed by NbF ₅	Sung Soo Kim, GurusamyRajagopal, Soney C George	Applied Organometallic Chemistry	10.1002/aoc.1204	21, 2007, 368-372	3.5
76	Niobium fluoride (NbF ₅): A highly efficient catalyst for solvent-free cyanosilylation of aldehydes	Sung Soo Kim, GurusamyRajagopal	Synthesis	10.1055/s-2006-958942	2007, 2007, 215-218	2.6

77	Aluminiumphthalocyanine: An active and simple catalyst for cyanosilylation of ketones	GurusamyRajagopal, Sung-Soo Kim, Ju-MyungKwak	Bulletin of the Korean Chemical Society	10.O200602 727442638	67, 2006,1907-1909	0.8
79	Asymmetric cyanosilylation of aldehydes by chiral Ti-TADDOL complex	Sung-Soo Kim, Ju-MyungKwak, GurusamyRajagopal	Bulletin of the Korean Chemical Society	10.O200602 727091747	27, 2006, 1638-1640	0.8
80	Efficient aerobic oxidation of alcohols to carbonyl compounds with NHPI/CAN catalytic system	Sung Soo Kim, GurusamyRajagopal	Synthetic communications	10.1081/SC C- 120038507	34, 2004, 2237-2243	1.7
81	N-Methylmorpholine N-Oxide: A Rare Nonmetallic Catalyst for the Most Efficient Silylcyanation of Aldehydes	Sung Soo Kim, GurusamyRajagopal, Dong Won Kim, Dae Ho Song	Synthetic communications	10.1081/SC C- 200026652	34, 2004, 2973-2980	1.7
82	Mild and efficient silylcyanation of ketones catalyzed by N-methylmorpholine N-oxide	Sung Soo Kim, Dong Won Kim, GurusamyRajagopal	Synthesis	10.1055/s- 2003-44380	2004, 2004, 213-216	2.6
83	Mild and efficient silylcyanation of ketones catalyzed by cesium fluoride	Sung Soo Kim, GurusamyRajagopal, Dae Ho Song	Journal of organometallic chemistry	10.1016/j.jorganchem.2004.01.025	689, 2004, 1734-1738	2.1

84	Efficient and mild oxidation of sulfides to sulfoxides by iodosobenzene catalyzed by Cr (salen) complex	Sung Soo Kim, GurusamyRajagopal	Synthesis	10.1055/s-2003-42419	2003, 2003, 2461-2463	2.6
85	Synthesis, spectral and electrochemical studies of ruthenium (II)/(III) complexes of alicyclic β -ketamines	N Prasanna, S Srinivasan, G Rajagopal, PR Athappan	NISCAIR-CSIR, India	123456789/18500	40A,2001	-
86	Ruthenium (II)/(III) complexes of bidentate acetyl hydrazide Schiff bases	Kasi Nehru, PeriakaruppanAthappan, GurusamyRajagopal	Transition Metal Chemistry	10.1023/A:1012060428697	26, 2001, 652-656	1.3
87	Synthesis, spectral and redox properties of metal complexes of macrocyclic tetraaza chiral Schiff bases	Sankaran Srinivasan, PeriakaruppanAthappan, GurusamyRajagopal	Transition Metal Chemistry	10.1023/A:1011007429295	26, 2001, 588-593	1.3
88	Copper (II), nickel (II), cobalt (II) and oxovanadium (IV) complexes of substituted β -hydroxyiminoanilides	SankarapandianSevagapandian, GurusamyRajagopal, Kasi NehruPeriakaruppanAthappan	Transition metal chemistry	10.1023/A:1007067326655	25, 2000, 388-393	1.3
89	Copper (II) and Ruthenium (II)/(III)	GurusamyRajagopal, NagarajanPrasanna,	Transition metal	10.1023/A:10069162235	24, 1999,	1.3

	Schiff base complexes	PeriakaruppanAthappan	chemistry	90	251-257	
90	Copper (II), nickel (II), cobalt (II) and oxovanadium (IV) complexes of 1-(3-hydroxy-2-naphthyl)-5-(pX-phenyl) pent-4-ene-1, 3-diones	PeriakaruppanAthappan, GurusamyRajagopal	Transition metal chemistry	10.1023/A:1018486223617	22, 1997, 84-88	1.3
91	Ruthenium (II)/(III) and oxovanadium (IV) complexes of highly conjugated β -diketones and their macrocyclic Schiff base binuclear copper (II) complexes	PeriakaruppanAthappan, GurusamyRajagopal	Transition metal chemistry	10.1023/A:1018475315865	22, 1997, 167-171	1.3
92	Synthesis and spectral characterization of copper (II), nickel (II), cobalt (II), oxovanadium (IV) and ruthenium (II) complexes of some conjugated 2-hydroxyacetophenones	PR Athappan, G Rajagopal	Indian Journal of Chemistry. Section A: Inorganic, Bio-inorganic, Physical, Theoretical and Analytical Chemistry	q=RN:29036675	36, 1997, 317-320	0.4
93	Synthesis and Structure of β -Ketoanilide Metal (II) Complexes	PR Athappan, S Sevagapandian, G Rajagopal	Synthesis and Reactivity in Inorganic and Metal-	10.1080/00945719608004768	24, 1996, 647-667	0.5

			Organic Chemistry			
94	Synthesis, spectroscopic and redox behaviour of copper (II), nickel (II) and cobalt (II) complexes of some macrocyclic multidentates	PR Athappan, G Rajagopal	Polyhedron	10.1016/0277-5387(95)00182-R	15,1996, 527-534	2.0
95	Synthesis and characterization of cobalt (II), nickel (II), copper (II), zinc (II) and cadmium (II) complexes of quinoline-8-sulphinic acid	PR Athappan, G Rajagopal, C Natarajan	NISCAIR-CSIR, India	123456789/40025	34A,1995	1.3
96	Synthesis and spectral studies of copper (II), nickel (II) and cobalt (II) complexes of 2-hydroxy- ω -4-X-cinnamoyl acetophenones and their pyridine adducts	Periakaruppan Athappan, Gurusamy Rajagopal	Transition Metal Chemistry	10.1007/BF00139128	20, 1995, 356-360	
97	Synthesis and spectral studies of copper(II), nickel(II), cobalt(II) and vanadyl(II) complexes of tridentate Schiff bases of 1,2,3,5,6,7,8,8a-	Periakaruppan Athappan, Sankarapandian Sevagapandian, Gurusamy Rajagopal	Transition Metal Chemistry	10.1007%2FBF00141520	20, 1995, 472-476	1.3

	octahydro-3-oxo-N,1					
98	Synthesis and characterization of copper (II), nickel (II), cobalt (II), zinc (II) and cadmium (II) complexes of 5, 6-diphenyl-3-(2'-hydroxyphenyl)-1, 2, 4-triazine	PR Athappan, P Mary Saroja, G Rajagopal	NISCAIR-CSIR, India	123456789/39915	34A,1995	

B) Research Projects carried out

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks
1	Development of environment friendly and reusable catalytic systems for asymmetric cyanosilylation reactions-A green approach [No:SR/FTP/CS-40/2007 Under SERC Young Scientist FAST TRACK SCHEME]	Department of Science and Technology(DST), New Delhi, India	2008-2011	Completed
2	Asymmetric Henry Reaction Mediated by Metal Complexes Immobilized in Mesoporous Solid Support F.No: 38-70/2009 (SR) Dt. 19-Dec-2009	University Grants Commission(UGC), New Delhi, India	2020-2013	Completed

3	Asymmetric carbon-carbon bond forming reactions catalyzed by supported palladium complexes: A sustainable green methodology No.01(2511)/11/EMR-II dated. 12-12-2011	Council of Scientific and Industrial Research (CSIR) New Delhi, India	2011-2014	Completed
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Teaching Experience

Courses Taught	Name of University/ College/Institution	Duration	
		Period of employment From - To	Years of Experience
UG Organic, PG organic and Inorganic Chemistry	Government Arts College (A), Coimbatore 641618	24-03-2023 to till date	
UG and PG –Organic and Inorganic Chemistry	Chikkanna Govt. Arts College, Tirupur 641 602	27-08-2014 to 23-03- 2023	9
UG Chemistry	Madras Medical College, Chennai.	20-08-2013 to 26-08- 2014	1
UG Chemistry	Govt. Arts College, Melur 625106 Madurai.	01-07-2009 to 14-08- 2013	4.0
UG and PG-organic and Inorganic Chemistry	Govt. Arts College(Men), Nandanam, Chennai 600 035	26-12-2007 to 30-06- 2009	2.5

Total Teaching Experience (in years and months) :

a)	Under-graduate	16 Years
b)	Post-graduate	12 Years
c)	Research	26 Years

viii) Innovations/ Contributions in Teaching

a) Design of Curriculum :	BOS member-UG and PG boards at Bharathiar University
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b) Teaching methods :	Chalk and talk, Power point presentation
c) Laboratory experiments :	
d) Evaluation methods :	
e) Preparation of resource material including books, reading materials, laboratory manuals etc.:	
f) Remedial Teaching / Student Counseling (academic) :	
g) Any other :	

IX) Research Contribution

a). PhD/M.Phil undergoing scholars

Sl. No	Name of the PhD-PT/FT	Name of the University	Broad Field	Registration Number	Year of registration
1	Esthar	Bharathiar University	Nano Chemistry		2018
2	Jayapriya S	Bharathiar University	Inorganic and nano Chemistry	CRE-B5/12622 - 251/2023	2018
3	Sasikala M	Bharathiar University	Nano Chemistry	CRE-CHE22P NOV776/2022	2022

Annexure B

b). PhD/M.Phil Awarded

S.No	Name of the Scholar	Title of the thesis	Awarded/ Submitted	Name of the University	Month & Year
1	K. Kanmani Raja	Synthesis and characterization of metal complexes and their uses in organic transformations	Awarded	Anna University	Oct-09
2	K. Manvzhi	Synthesis , spectral and electrochemical studies of Schiff basecomplexes	Awarded	Bharathiar University	Jun-14

3	M. Prabhu	Synthesis , characterization, spectral and biological studies of Schiff base metal complexes	Awarded	Bharathiar University	Jun-14
4	A. Thirugnanasundar	Schiff base metal complexes: Organic transformations by metal based catalytic system	Awarded	Bharathiar University	May-15
5	A. Sundar	Synthesis and characterization, Schiff base metal complexes	Awarded	Bharathiar University	Apr-15
6	K. Dhahagani	Metal complexes of Schiff base ligands:	Awarded	M.K. Univ, Madurai	Sep-14
		Synthesis , characterization, spectral and biological studies of Schiff base metal complexes			

X) Extension Work/ Community Service

A) Please give a short account of your contribution to:

B) Positions held / leadership role played in organizations linked with Extension Work National Service Scheme (NSS), or NCC or any other similar activity

NSS programme officer for two years at Govt. Arts College, Melur

C. Participation in Corporate Life

Please give a short account your contribution to:

a) College/ University / Institution	RUSA Coordinator
b) Co-curricular Activities	
c) Enrichment of Campus Life (Hostels, sports, games, cultural activities)	
d) Students Welfare and Discipline	Anti Ragging Committee member
e) Membership / Participation in Bodies	ICC

f) Professional Organization of Teachers	
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D.(a) Membership of Professional Bodies, Societies, Editorship of Journals etc.

Reviewing research papers for the following international SCI Journals

- Chirality. (Wiley)
- Applied Organometallic Chemistry (Wiley)
- Inorganic Chemistry Communications. (Elsevier)
- Journal of Molecular Structure. (Elsevier)
- Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. (Elsevier)
- Journal of Saudi Chemical Society (Elsevier)

E. Any other information

(Signature of the Teacher)