

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

i) General Information

a) Name: **Dr. S. PONNUSWAMY**

b) E-mail: kspons2001@gmail.com

c) Designation: Associate Professor and Head

d) Department: PG and Research Department of Chemistry

e) Date of Birth: 17-05-1967

f) Area of Specialization: Organic Chemistry & Spectroscopy



A) Academic Qualifications

Exam Passed	Subjects	Board/ University	Year	Division/ Grade/ Merit, etc.
High School	General	Board of Secondary Education, TN	1982	I Class
Higher Secondary or Pre-degree	Physics, Chemistry, Maths & Biology	Board of Higher Secondary Edn, TN	1984	I Class
Bachelor's Degree (s)	Major- Chemistry Allied – Maths & Physics	Gobi Arts College affiliated to Bharathiar University, Coimbatore	1987	I Class, College First Rank
Master's Degree (s)	Chemistry	The American College(Autonomous), Madurai affiliated to Madurai Kamaraj University	1989	I Class
Research Degree (s)	M. Phil Chemistry	Department of Chemistry, Bharathidasan University, Tiruchirapalli	1990	I Class
	Ph.D. Chemistry	Department of Chemistry, Bharathidasan University, Tiruchirapalli	1999	

Other Diploma/ Certificates etc.	PGDCA	Bharathiar University, Coimbatore	2002	64.6%
GATE – 90	Chemistry	MHRD (Conducted by Indian Ins. of Science, Bangalore)	1990	97.6 percentile score in Chemistry (16 th rank, national level)
CSIR-UGC – JRF & UGC – Lectureship	Chemistry	Conducted Jointly by CSIR & UGC	1989	

ii) Research Experience & Training

Research Stage	Title of work / Thesis	University where the work was carried out
M. Phil.	Stereochemistry Of Certain Azacycles	Department of Chemistry, Bharathidasan University, Tiruchirapalli
Ph. D.	Conformational Studies on Azacycles containing N-X=Y Functions	Department of Chemistry, Bharathidasan University, Tiruchirapalli
Publications (give a list separately)	Annexure A	
Research Guidance (give names of students guided successfully)	Annexure B	
Training (please specify)	Annexure C	

Annexure A – Publications

S. No.	Title of the Articles	Journal in Which Published	Month/year of publication
1.	Fast equilibrium in <i>N</i> -ethoxycarbonyl- <i>r</i> -2, <i>c</i> -7-diphenylhexahydro-1,4-diazepin-5-ones in flattened boat conformations. Jeyaraman, R.; Ponnuswamy, S.	<i>J. Org. Chem.</i>	1997 , 62, 7984-7990.
2.	Stereochemistry of <i>N</i> -acetyl- <i>r</i> -2, <i>c</i> -4-diphenyl-3-azabicyclo[3.3.1]-nonanes and <i>N</i> -ethoxycarbonyl- <i>r</i> -2, <i>c</i> -4-diphenyl-3-azabicyclo[3.3.1]nonane. Jeyaraman, R.; Ponnuswamy, S.	<i>Indian J. Chem.</i>	1997 , 36B, 730-737.
3.	Stereochemistry of 4-cyano-4-phenylamino- <i>r</i> -2, <i>c</i> -6-diphenylpiperidines. Jeyaraman, R.; Ponnuswamy, S.	<i>Indian J. Chem.</i>	1998 , 37B, 224-229.
4.	Ethyl-3,5-dimethyl-4-oxo-cis-2,6-diphenylpiperidine-1-carboxylate. Sureshkumar, M.; Ponnuswamy, M. N.; Ponnuswamy, S. ; Jeyaraman, R.; Paneerselvam, K.; Garcia, M. S.	<i>Acta Cryst.</i>	1998 , C54, 870-872
5.	Molecular structures and conformations of three 3-azabicyclononanes. Kumaran, D.; Ponnuswamy, M. N.; Shanmugam, G.; Ponnuswamy, S. ; Jeyaraman, R.; Shivakumar, K.; Fun, H. K.	<i>Acta Cryst.</i>	1999 , B55, 793-798.
6.	Fast <i>N</i> -CO rotational equilibria in twist-boat conformations of <i>N</i> -ethoxycarbonyl- <i>r</i> -2, <i>c</i> -6-diphenylpiperidin-4-ones and <i>N</i> -ethoxycarbonyl- <i>r</i> -2, <i>c</i> -6-diphenylpiperidines. Ponnuswamy, S. ; Venkatraj, M.; Jeyaraman, R.; Sureshkumar, M.; Kumaran, D.; Ponnuswamy, M. N.	<i>Indian J. Chem.</i>	2002 , 41B, 614-627
7.	Stereochemistry of <i>N</i> ₅ -acyltetrahydro-1,5-benzodiazepines-NMR spectra and semiempirical MO	<i>Indian J. Chem.</i>	2006 , 45B, 1531-1540

	calculations. Venkatraj, M.; Ponnuswamy, S. ; Jeyaraman, R.		
8.	Synthesis of <i>N</i> -hydroxy- <i>r</i> -2, <i>c</i> -6-diphenylpiperidines using DMD and their stereochemical studies by NMR spectra and semiempirical MO calculations. Thenmozhiyal, J. C.; Venkatraj, M.; Ponnuswamy, S. ; Jeyaraman, R.	<i>Indian J. Chem.</i>	2006, 45B , 1887-1893
9.	Stereochemistry of <i>N</i> -acyl-tetrahydro-1, 5-benzodiazepines using NMR spectra, X-ray Crystallography and semiempirical MO calculations. Ponnuswamy, S. ; Murugadoss, R.; Jeyaraman, R.; Thiruvalluvar, A.; Parthasarathy, V.	<i>Indian J. Chem.</i>	2006, 45B , 2059-2070.
10.	Competing A ^{1,3} - Strain and Ph: Phdial axial repulsion in oximes and semicarbazones of <i>N</i> -nitroso- <i>r</i> -2, <i>c</i> -6-diphenylpiperidin-4-ones. Vijayalakshmi, R.; Muthukumar, M.; Ponnuswamy, S. ; Jeyaraman, R.	<i>Indian J. Chem.</i>	2006, 45B , 2720 – 2735.
11.	1-Acetyl-2,6-bis(4-methoxyphenyl)-3-methyl-4-piperidone. Kavitha, T.; Ponnuswamy, S. ; Kaileshwaran, K.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2007, E63 , o3648.
12.	3-Ethyl-2,6-bis(4-methoxyphenyl)-piperidin-4-one. Kavitha, T.; Ponnuswamy, S. ; Mohanraj, V.; Ilango, S. S.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2007, E63 , o3985.
13.	Rotational equilibria in boat conformations of <i>N</i> -acyl- <i>r</i> -2, <i>c</i> -6-di(2-heteoaryl)piperidin-4-ones using NMR spectra and semiempirical MO calculations. Thenmozhiyal, J. C.; Venkatraj, M.; Ponnuswamy, S. ; Jeyaraman, R.	<i>Indian J. Chem.</i>	2007, 46B , 1526-1536
14.	2,4,4-Trimethyl- <i>N</i> -Phenyl-2,3,4,5-tetrahydro-1 <i>H</i> -1,5-benzodiazepine-1-carboxamide. Thiruvalluvar, A.; Ponnuswamy,	<i>ActaCryst.</i>	2007, E63 , o4264.

	S.		
15.	Conformational analysis of N_1 , N_5 -diacyltetrahydro-1,5-benzodiazepin-2-ones using NMR spectra, X-ray Crystallography and Semiempirical MO Calculations. Venkatraj, M.; Ponnuswamy, S. ; Jeyaraman, R.	<i>Indian J. Chem.</i>	2008, 47B , 129-135.
16.	Stereochemistry and Stereodynamics of N -chloroacetyl- r -2, c -6-diarylpiperidin-4-ones- NMR studies and Semiempirical molecular orbital calculations. Venkatraj, M.; Ponnuswamy, S. ; Jeyaraman, R.	<i>Indian J. Chem.</i>	2008, 47B , 411-426.
17.	1-Chloroacetyl-3,3-dimethyl-2,6-diphenylpiperidin-4-one. Kavitha, T.; Ponnuswamy, S. ; Jamesh, M.; Umamaheshwari, J.; Ponnuswamy, M. N.	<i>Acta Cryst.</i>	2008, E64 , o2041.
18.	r -2, c -6-Bis(4-chlorophenyl)- c -3, t -3-dimethylpiperidin-4-one. Ilango, S. S.; Ponnuswamy, S. ; Gayathri, A.; Thiruvalluvar, A.; Butcher, R. J.	<i>Acta Cryst.</i>	2008, E64 , o2312.
19.	r -2, c -6-Bis(4-methoxyphenyl)- c -3, t -3-dimethylpiperidin-4-one. Ponnuswamy, S. ; Mohanraj, V.; Gayathri, A.; Thiruvalluvar, A.; Butcher, R. J.	<i>Acta Cryst.</i>	2008, E64 , o2328.
20.	1-Dichloroacetyl-3,3-dimethyl-2,6-diphenylpiperidin-4-one. Kavitha, T.; Ponnuswamy, S. ; Jamesh, M.; Umamaheshwari, J.; Ponnuswamy, M. N.	<i>Acta Cryst.</i>	2009, E65 , o10.
21.	1-Dichloroacetyl- r -2, c -6-bis(4-methoxyphenyl)- c -3, t -3-dimethylpiperidin-4-one. Thenmozhi, M.; Ponnuswamy, S. ; Mohanraj, V.; Vijayalakshmi, R.; Ponnuswamy, M. N.	<i>Acta Cryst.</i>	2009, E65 , o11.
22.	Conformational study of N -acyl- r -2, c -4-diphenyl-3-azabicyclo[3.3.1]nonanes and N_3, N_7 -diformyl- r -2, c -4, t -6, t -8-tetraphenyl-3,7-	<i>Indian J. Chem.</i>	2009, 48B , 110-119

	diazabicyclo[3.3.1]nonane by NMR spectroscopy and semi-empirical molecular orbital calculations . Venkatraj, M.; Ponnuswamy, S. ; Jeyaraman, R.		
23.	1-Formyl- <i>r</i> -2, <i>c</i> -6-bis(4-methoxyphenyl)- <i>c</i> -3, <i>t</i> -3-dimethylpiperidin-4-one Kavitha, T.; Ponnuswamy, S. ; Sakthivel, P.; Karthik, K.; Ponnuswamy, M. N.	<i>Acta Cryst.</i>	2009, E65, o856.
24.	<i>r</i> -2, <i>c</i> -6-bis(4-methoxyphenyl)- <i>c</i> -3, <i>t</i> -3-dimethyl-1-nitrosopiperidin-4-one. Kavitha, T.; Ponnuswamy, S. ; Sakthivel, P.; Karthik, K.; Ponnuswamy, M. N.	<i>Acta Cryst.</i>	2009, E65, o1420.
25.	<i>t</i> -3-Ethyl- <i>r</i> -2, <i>c</i> -6-bis(4-methoxyphenyl)-1-nitrosopiperidin-4-one. Kavitha, T.; Thenmozhi, M.; Ponnuswamy, S. ; Sakthivel, P.; Ponnuswamy, M. N.	<i>Acta Cryst.</i>	2009, E65, o1765.
26.	1-Acetyl- <i>c</i> -3, <i>t</i> -3-dimethyl- <i>r</i> -2, <i>c</i> -6-diphenylpiperidin-4-one. Aravindhan, S.; Ponnuswamy, S. ; Jamesh, M.; Ramesh, P.; Ponnuswamy, M. N.	<i>Acta Cryst.</i>	2009, E65, o1974.
27.	1-Benzoyl- <i>c</i> -3, <i>t</i> -3-dimethyl- <i>r</i> -2, <i>c</i> -6-diphenylpiperidin-4-one. Aravindhan, S.; Ponnuswamy, S. ; Umamaheswari, J.; Ramesh, P.; Ponnuswamy, M. N.	<i>Acta Cryst.</i>	2009, E65, o1975.
28	5-Chloroacetyl-4-methyl-2,3,4,5-tetrahydro-1 <i>H</i> -1,5-benzodiazepin-2-one Ravichandran, K.; Sakthivel, P.; Ponnuswamy, S. ; Ramesh, P.; Ponnuswamy, M. N.	<i>Acta Cryst.</i>	2009, E65, o2361.
29	4-Methyl-2-oxo-2,3,4,5-tetrahydro-1 <i>H</i> -1,5-benzodiazepine-5-carbaldehyde Ravichandran, K.; Sakthivel, P.; Ponnuswamy, S. ; Ramesh, P.; Ponnuswamy, M. N.	<i>Acta Cryst.</i>	2009, E65, o2362.
30.	2,2,4-Trimethyl-5-(4-tolylsulfonyl)-2,3,4,5-tetrahydro-1 <i>H</i> -1,5-benzodiazepine Ravichandran, K.; Sathiyaraj,	<i>Acta Cryst.</i>	2009, E65, o2363-o2364

	K.; Ilango, S. S.; Ponnuswamy, S. ; Ponnuswamy, M. N.		
31.	3,3-Dimethyl-cis-2,6-di-p-tolylpiperidin-4-one Gayathri, P.; Ilango, S. S.; Ponnuswamy, S. ; Thiruvalluvar, A.; Butcher, R. J.	<i>ActaCryst.</i>	2009 , <i>E65</i> , o2445
32.	5-Dichloroacetyl-4-methyl-2,3,4,5-tetrahydro-1 <i>H</i> -1,5-benzodiazepin-2-one hemihydrates Ravichandran, K.; Sakthivel, P.; Ponnuswamy, S. ; Shalini, M.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2009 , <i>E65</i> , o2551–o2552
33.	1-Chloroacetyl- <i>r</i> -2, <i>c</i> -6-bis(4-methoxyphenyl) <i>c</i> -3, <i>t</i> -3-dimethylpiperidin-4-one Thenmozhi, M.; Kavitha, T.; Mohanraj, V.; Ponnuswamy, S. ; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2009 , <i>E65</i> , o2793
34.	<i>c</i> -3, <i>t</i> -3-dimethyl <i>r</i> -2, <i>c</i> -6-diphenylpiperidin-4-one Thenmozhi, M.; Ponnuswamy, S. ; Umamaheswari, J.; Jamesh, M.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2009 , <i>E65</i> , o2794
35.	<i>c</i> -3, <i>t</i> -3-dimethyl-4-oxo- <i>r</i> -2, <i>c</i> -6-diphenylpiperidine-1-carboxamide Thenmozhi, M.; Kavitha, T.; Ponnuswamy, S. ; Jamesh, M.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2009 , <i>E65</i> , o2808
36.	1-Formyl- <i>r</i> -2, <i>c</i> -6-bis(4-methoxyphenyl)- <i>t</i> -3-methylpiperidin-4-one Gayathri, P.; Sakthivel, P.; Ponnuswamy, S. ; Thiruvalluvar, A.; Butcher, R. J.	<i>ActaCryst.</i>	2009 , <i>E65</i> , o2813
37.	1-Formyl- <i>r</i> -2, <i>c</i> -6-bis(4-methoxyphenyl)- <i>t</i> -3, <i>t</i> -5-dimethylpiperidin-4-one Kavitha, T.; Sakthivel, P.; Ponnuswamy, S. ; Ilango, S. S.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2009 , <i>E65</i> , o2818
38.	1-Chloroacetyl- <i>r</i> -2, <i>c</i> -6-bis(4-methoxyphenyl)- <i>t</i> -3-methylpiperidin-4-one Ravichandran, K.; Ramesh, P.; Sakthivel, P.; Ponnuswamy, S. ; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2009 , <i>E65</i> , o2883
39.	<i>c</i> -3, <i>t</i> -3-Dimethyl- <i>r</i> -2, <i>c</i> -7-diphenyl-1,4-diazepan-5-one	<i>ActaCryst.</i>	2009 , <i>E65</i> , o2884

	Ravichandran, K.; Ramesh, P.; Sethuvasan, S.; Ponnuswamy, S. ; Ponnuswamy, M. N.		
40.	<i>t</i> -3-Ethyl- <i>r</i> -2, <i>c</i> -7-bis(4-methoxyphenyl)-1,4-diazepan-5-one Ravichandran, K.; Ramesh, P.; Sethuvasan, S.; Ponnuswamy, S. ; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2009 , <i>E65</i> , o2885-o2886
41.	1-Dichloroacetyl- <i>r</i> -2, <i>c</i> -6-bis(4-methoxyphenyl)- <i>t</i> -3-methylpiperidin-4-one Ravichandran, K.; Ramesh, P.; Sakthivel, P.; Ponnuswamy, S. ; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2010 , <i>E66</i> , o262
42.	1-Dichloroacetyl- <i>r</i> -2, <i>c</i> -6-bis(4-methoxyphenyl)- <i>t</i> -3, <i>t</i> -5-dimethylpiperidin-4-one Ravichandran, K.; Ramesh, P.; Neeladevi, C.; Ponnuswamy, S. ; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2010 , <i>E66</i> , o263
43.	1-Acetyl- <i>t</i> -3-ethyl- <i>r</i> -2, <i>c</i> -6-bis(4-methoxyphenyl)piperidin-4-one Ravichandran, K.; Ponnuswamy, S. ; Rajesh, R.; Mohanraj, V.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2010 , <i>E66</i> , o275
44.	1-Chloroacetyl-3-isopropyl- <i>r</i> -2, <i>c</i> -6-diphenylpiperidin-4-one Ravichandran, K.; Ramesh, P.; Jeganathan, P.; Ponnuswamy, S. ; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2010 , <i>E66</i> , o276-o277
45.	Cyclohexane-1-spiro-2'-imidazolidine-5'-spiro-1''-cyclohexan-4'-one Kavitha, T.; Ponnuswamy, S. ; Vijayalakshmi, R.; Thenmozhi, M.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2010 , <i>E66</i> , o1072
46.	1-Formyl- <i>t</i> -3, <i>t</i> -5-dimethyl- <i>r</i> -2, <i>c</i> -6-diphenylpiperidin-4-one Ravichandran, K.; Ramesh, P.; Sakthivel, P.; Ponnuswamy, S. ; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2010 , <i>E66</i> , o1505
47.	Conformational and antimicrobial studies on certain <i>r</i> -2, <i>c</i> -6-diarylpiperidin-4-ones Ilango, S. S.; Ponnuswamy, S. ; Viswanathan, T.	<i>Indian J. Heterocyclic. Chem.</i>	2010 , <i>20</i> , 17-20

48.	Characterization and dye effluent treatment applications of mesoporous activated carbon produced from bio-diesel industrial waste-Jatropha hull Sivakumar, N.; Ponnuswamy, S. ; Gopalswami, P. M.	<i>Biosciences, Biotechnology Research Asia</i>	2009 , 6, 797-801
49.	Methylene blue adsorption onto low cost powdered activated carbon from agricultural waste -Morus plant Gopalswami, P. M.; Ponnuswamy, S. ; Sivakumar, N.; Ilamparithi, A.	<i>Nat. Env. Poll. Tech.</i>	2010 , 9, 317-322
50.	Adsorption of Direct Dye on to Activated Carbon prepared from Areca Nut Pod-An Agricultural Waste Gopalswami, P. M.; Sivakumar, N.; Ponnuswamy, S. ; Venkateswaren, V.; Kavitha, G.	<i>J. Environ. Science & Engg</i>	2010 , 52, 367-372
51.	Synthesis of Cu ₂ O Nanoparticles Using Simplified Polyol Process Karthik, K.; Ponnuswamy, S.	<i>Nano Vision</i>	2011 , 2, 68-73
52.	Effect of A ^{1,3} -strain on the stereochemistry of <i>N</i> -acetyl and <i>N,O</i> -diacetyl- <i>r</i> -2, <i>c</i> -6-diphenylpiperidin-4-one oximes Vijayalakshmi, R.; Muthukumar, M.; Ponnuswamy, S. ; Jeyaraman, R.; Sukumar, N.; Ponnuswamy, M. N.	<i>Indian J. Chem.</i>	2012 , 51B, 1151-1162
53.	3-Isopropyl-2,6-bis(4-methoxyphenyl)piperidin-4-one Ravichandran, K.; Sethuvasan, S.; Thirunavukarasu, K.; Ponnuswamy, S. ; Ponnuswamy, M. N.	<i>Acta Cryst.</i>	2012 , E68, o2453
54.	Crystal Structures of 1,5-Diacetyl-2,2,4-trimethyl-1 <i>H</i> -tetrahydro-1,5-benzodiazepine (DARTMBD) and <i>N</i> ₅ -Ethoxycarbonyl-2-methyl-2,4-diphenyl-1 <i>H</i> -tetrahydro-1,5-benzodiazepine (ECRPMBD) Kavitha, T.; Ponnuswamy, S. ; Suguna, S.; Sakthivel, P.; Ponnuswamy, M. N.	<i>Mol. Cryst. Liq. Cryst</i>	2012 , 557, 18-27
55	Synthesis and antimicrobial activity of novel 1,5-	<i>Indian J. Chem.</i>	2013 , 52B, 136-140

	Benzodiazepines Ilango, S. S.; Remya, P. U.; Ponnuswamy, S.;		
56	1-Formyl- <i>c</i> -3, <i>t</i> -3-dimethyl- <i>r</i> -2, <i>c</i> -6-diphenylpiperidin-4-one Ravichandran, K.; Sakthivel, P.; Ramesh, P.; Ponnuswamy, S.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2012, E68, o870
57.	Synthesis of Nickel Nanoparticles Using Polyol Process Srisudha, S.; Karthik, K.; Ponnuswamy, S.	<i>Nano Vision</i>	2013, 3, 37-43
58.	1-Dichloroacetyl- <i>t</i> -3, <i>t</i> -5-dimethyl- <i>r</i> -2, <i>c</i> -6-diphenylpiperidin-4-one Sugumar, P.; Kayalvizhi, R.; Mini, R.; Ponnuswamy, S.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2013, E69, o609
59.	1-(2,2-Dichloroacetyl)-3-ethyl-2,6-diphenylpiperidin-4-one Sugumar, P.; Kayalvizhi, R.; Nirmala, P.; Ponnuswamy, S.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2013, E69, o800
60.	2-Chloro-1-(2,4,4-trimethyl-2,3,4,5-tetrahydro-1 <i>H</i> -1,5-benzodiazepin-1-yl)-ethanone Thiruselvam, V.; DeepaRajakumari, D.; Akila, A.; Ponnuswamy, S.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2013, E69, o874
61.	1-Dichloroacetyl- <i>t</i> -3-isopropyl- <i>r</i> -2, <i>c</i> -6-diphenylpiperidin-4-one Sugumar, P.; Kayalvizhi, R.; Mini, R.; Ponnuswamy, S.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2013, E69, o1348
62.	<i>r</i> -2, <i>c</i> -6-Diphenylpiperidine Maheshwaran, V.; Abdul Basheer, S.; Akila, A.; Ponnuswamy, S.; Ponnuswamy, M. N.	<i>ActaCryst.</i>	2013, E69, o1371
63.	2-Chloro-1-(3,3-dimethyl-2,6-diphenylpiperidin-1-yl)ethanone Prathebha, K.; Revathi, B. K.; Usha, G.; Ponnuswamy, S.; Abdul Basheer, S.	<i>ActaCryst.</i>	2013, E69, o1424
64.	3-Ethyl- <i>cis</i> -2,6-diphenylpiperidine Maheshwaran, V.; Abdul Basheer, S.; Akila, A.; Ponnuswamy, S.; Ponnuswamy, M. N.;	<i>ActaCryst.</i>	2013, E69, o1441

65	Investigation on <i>N</i> -formyl piperidin-4-ones as corrosion inhibitors for carbon steel in acid medium Ilamparithi, A.; Ponnuswamy, S. ; Selvaraj, A.	<i>International journal of Applied and Natural science</i>	2014 , 3,63-80
66	The substituted <i>N</i> -Nitroso piperidin-4-ones: A new class of inhibitors of mild steel in acid medium Ilamparithi, A.; Selvaraj, A.; Ponnuswamy, S.	<i>International journal of Applied and Natural science</i>	2014 ,3,115-134
67.	r-2,c-6-diphenyl-3,5-dimethyl piperidine Sathya. S,Prathebha, K, Usha, G.; Abdul Basheer, S.; Ponnuswamy, S.	<i>ActaCryst.</i>	2014 , E70,o404
68	Growth, thermal and optical properties of organic NLO crystal of novel N-nitroso r-2,c-6-bis(4-methoxyphenyl)-c-3,t-3-dimethylpiperidin-4-one Mohanraj,V.; Sakthivel, P.; Ponnuswamy, S.	<i>International journal of Innovative Research in Science and Engineering</i>	2014 , 2, 424-428
69	Synthesis, characterization, stereochemistry and biological activity of <i>N</i> -formylpiperidin-4-ones Sakthivel, P.; Ponnuswamy, S.	<i>Journal of Mol. structure</i>	2014 , 1074, 349-358
70	Growth, thermal and optical properties of <i>cis</i> -2, 6-diphenyl 3-isopropylpiperidin-4-one – a new class of organic NLO material Ponnuswamy, S. ; Mohanraj,V.; Sakthivel, P.; Chandramohan, V.	<i>Optik</i>	2014 , 125, 5550-5553
71	1-Acetyl-2,4-bis(4-methoxyphenyl)-3-azabicyclo[3.3.1]nonane, Shreevidhyaasuresh. V.; Sathya. S.; Akila. A.; Ponnuswamy. S. ; Usha. G.	<i>ActaCryst.</i>	2014 , E70, o1171-72
72	Growth, thermal, mechanical, structural and optical properties of organic NLO crystals of novel <i>cis</i> -2, 6-bis(2-chlorophenyl)-3,3-dimethylpiperidin-4-one Ponnuswamy, S. ; Mohanraj,V.; Ilango, S.S.; Thenmozhi, M.; Ponnuswamy, M.N.	<i>Journal of Mol. structure</i>	2015 , 1081, 449-456
73	Synthesis, Characterisation,	<i>Journal of Mol.</i>	2015 , 1089, 86-94

	Stereochemistry and Dynamic NMR studies on N-formyl-t-3-isopropyl-r-2,c-6-bis(4-methoxyphenyl) piperidin-4-ones Ponnuswamy, S.; Sethuvasan, S.; Thirunavukarasu, K.	<i>structure</i>	
74	Synthesis, characterization and stereochemistry of N-acyl-r-2,c-4-bis(4-methoxyphenyl)-3-azabicyclo[3.3.1]nonanes Akila, A. Ponnuswamy, S. Shreevidhya Suresh, V. Usha, G.	<i>Journal of Mol. structure</i>	2015, 1093, 113-118
75	Synthesis, crystal structures and docking studies of 2,7-diphenyl-1,4-diazepan-5-one derivatives Maheshwaran V, Sethuvasan S, Ravichandran K, Ponnuswamy S, Sugumar P, Ponnuswamy M. N.	<i>Chemistry Central Journal</i>	2015, 9, 17
76	Facile Denitrosation of cyclic N-Nitrosamines with Hydrazoic acid Ponnuswamy, S. Akila, A. Kiruthiga Devi, D.	<i>Synth. Commun.</i>	2015, 45, 2030-2034
77	Crystal structure of 2-chloro-1-(3-ethyl-2,6-diphenylpiperidin-1-yl)ethanone Shreevidhya Suresh, V.; Prathebha, K.; Abdul Basheer, S.; Ponnuswamy, S.; Usha, G	<i>Acta Cryst.</i>	2015, E71, o122
78	Crystal structure of 2-chloro-1-(3-methyl-2,6-diphenylpiperidin-1-yl)ethanone Shreevidhya Suresh, V.; Prathebha, K.; Abdul Basheer, S.; Ponnuswamy, S.; Usha, G	<i>Acta Cryst.</i>	2015, E71, o135
79	Crystal structure of 2,2,4-trimethyl-2,3,4,5-tetrahydro-1H-benzo[b][1,4]-diazepine hemihydrates, Ezhilarasi, K. S.; Akila, A. Ponnuswamy, S. Revathi, B. K.; Usha, G.	<i>Acta Cryst.</i>	2015, E71, o570
80	Synthesis, characterisation, stereochemistry and antimicrobial activity of N5-piperazino- and N5-morpholinoacetyl-2,2,4-	<i>Journal of Chemical Sciences</i>	2015, 127, 2051-2061

	trimethyl-1,5-benzodiazepines, Ponnuswamy, S.; Akila, A. ; DeepaRajakumari, D.; ShreevidhyaaSuresh, V.; Usha, G.		
81	Synthesis, characterisation, conformational preferences, dynamic NMR studies and antimicrobial evaluation of <i>N</i> - nitroso- and <i>N</i> -formyl- <i>c</i> -3, <i>t</i> -3- dimethyl- <i>r</i> -2, <i>c</i> -7-diphenyl-1,4- diazepan-5-ones Ponnuswamy, S.; Akila, A.; Kiruthigadevi, D.; Maheshwaran, V.; Ponnuswamy, M. N.	<i>Journal of Mol. structure</i>	2016, 1110, 53-64
82	Synthesis, spectral characterization, crystal structure and molecular docking study of 2,7-diaryl-1,4-diazepan-5-ones Sethuvasan S, Sugumar P, Maheshwaran, V.; Ponnuswamy, M. N. Ponnuswamy, S	<i>Journal of Mol. structure</i>	2016, 1116, 188-199
83	Synthesis, characterization stereochemistry and anti- bacterial evaluation of certain <i>N</i> - acyl- <i>c</i> -3, <i>t</i> -3-dimethyl- <i>r</i> -2, <i>c</i> -6- diphenylpiperidin-4-ones S. Ponnuswamy, R.Kayalvizhi, M.Jamesh, J.UmaMaheswari, M. Thenmozhi , M.N.Ponnuswamy	<i>Journal of Mol. structure</i>	2016, 1120, 70-78
84	Synthesis, conformational preferences and antimicrobial evaluation of <i>N</i> -piperazinoacetyl- <i>r</i> -2, <i>c</i> -6-diphenylpiperidin-4-ones A. Akila, P. Jeganathan, S. Ponnuswamy	<i>Journal of Mol. structure</i>	2016, 1120, 187-195
85	<i>N</i> -Benzyl-2,7-diphenyl-1,4- diazepan-5-one analogues: Synthesis, Spectral characterization, Stereochemistry, Crystal Structure and Molecular Docking Studies S. Sethuvasan, P. Sugumar, M. N. Ponnuswamy and S. Ponnuswamy	<i>Journal of Mol. structure</i>	2016, 1120, 215-225
86	Synthesis, characterization, stereochemistry and antibacterial	<i>Journal of Mol. structure</i>	2016, 1125, 453-463

	activity of <i>N</i> -acyl-2,4,6,8-tetraphenyl-3,7-diazabicyclo[3.3.1]nonanes S. Ponnuswamy , S.Pushpalatha, A. Akila, B.Raghuvarman, S. Aravindhan		
87	Design, synthesis, characterisation, conformation and biological investigation of <i>N</i> -acyl <i>r</i> -2, <i>c</i> -6-bis (4-methoxyphenyl)- <i>c</i> -3, <i>t</i> -3-dimethylpiperidin-4-ones V.Mohanraj, S. Ponnuswamy	<i>Journal of Mol. structure</i>	2017 , 1144, 502-513
88	The Substituted Diphenyl-1,4-Diazepan-5-One - A new class of Corrosion inhibitor on Aluminium in Hydrochloric Acid A. Ilamparithi, S. Ponnuswamy , A. Selvaraj	<i>The Experiment</i>	2017 , 43(2), 2480-2494
89	Synthesis, characterization, stereochemistry and biological investigation of certain <i>N</i> -dichloroacetyl- <i>bis</i> (2-chlorophenyl)piperidin-4-ones R.Kayalvizhi, S.Ponnuswamy , K.Gomathi, K.S.Ezhilarasi, G.Usha	<i>Journal of Mol. structure</i>	2018 , 1153, 106-118
90	Synthesis, stereochemistry, crystal structure, docking study and biological evaluation of some new <i>N</i> -benzylpiperidin-4-ones S. Ponnuswamy , R. Kayalvizhi, S. Sethuvasan, P. Sugumar, M.N.Ponnuswamy	<i>Journal of Mol. structure</i>	2018 , 1155, 654-665
91	Synthesis, characterization, stereochemistry, biological investigation and DNA binding studies on <i>N</i> -acyl- <i>t</i> -3-ethyl- <i>r</i> -2, <i>c</i> -6-bis(4-methoxyphenyl)piperidin-4-ones V.Mohanraj, S. Ponnuswamy	<i>Journal of Mol. structure</i>	2018 , 1171, 420-428
92	Inhibitive effects of <i>cis</i> -2,6-diphenyl-3-alkylpiperidines at aluminium/1N hydrochloric acid interface A. Ilamparithi, S. Ponnuswamy , A. Selvaraj	<i>Asian Journal of chemistry</i>	2018 , 30, 1850-1856

93	<i>cis</i> -2,7-Diphenyl-1,4-diazepan-5-ones – A new class of inhibitors of mild steel in acid medium A. Ilamparithi, S. Ponnuswamy , A. Selvaraj , S. Sethuvasan	<i>International Journal of Research and Analytical Reviews</i>	2018 , 5, 592-603
94	Stereochemical investigation of <i>N</i> -formyl-2,7-diphenyl-1,4-diazepan-5-ones by NMR spectroscopy and single crystal X-ray diffraction studies U. P. Senthilkumar, S. Sethuvasan, S. Ponnuswamy , P. Sugumar, M. N. Ponnuswamy, R. Jeyaraman	<i>Journal of Mol. structure</i>	2019 , 1175, 935-947
95	Growth, spectral, thermal, NLO studies and computational studies on novel NLO organic crystals of <i>N</i> -Nitroso- <i>r</i> -2, <i>c</i> -6-bis(4-methoxyphenyl)- <i>t</i> -3-ethylpiperidin-4-one V.Mohanraj, P. Sakthivel, S. Ponnuswamy , P. Muthuraja, M. Dhandapani	<i>Materials Today: Proceedings</i>	2019 , 8, 1-10
96	A. Ilamparithi, S. Ponnuswamy, A. Selvaraj , P. Sakthivel	International Journal of Research and Analytical Reviews	2019
97	Synthesis, Characterization, Stereochemistry and Antimicrobial Evaluation of <i>N</i> -Acyltetrahydrobenzodiazepin-2-ones A. AKILA, P. SAKTHIVEL and S. PONNUSWAMY*	Asian Journal of Chemistry	2020, 32, 1007-1014
98	Synthesis, Characterization, Thermal, NLO and Quantum-Chemical Studies on <i>N</i> -Acetyl-2,6-bis(4-methoxyphenyl)-3-ethylpiperidin-4-one V. MOHANRAJ, , S. PONNUSWAMY,	Asian Journal of Chemistry	2020, 32, 1996-2000

	P. MUTHURAJA and M. DHANDAPANI.		
99	Crystal structure, Hirshfeld surface analysis and DFT studies of 1-[r-2,c-6-diphenyl-t-3-(propan-2-yl)piperidin-1-yl]ethan-1-one P. Periyannan, M. Beemaroo, K. Karthik, S. Ponnuswamy and K. Ravichandran	Acta Cryst.	2020, E76, 377–381
100	Synthesis, spectral characterization, solution and solid-state conformations of N -nitroso-2,7-diaryl-1,4-diazepan-5-ones by NMR and XRD studies S. Sethuvasan, P. Sugumar, M.N. Ponnuswamy, S. Ponnuswamy	Journal of Mol. structure	2021, 1223, 129002 (1-11p)
101	Synthesis, spectral characterization and conformational assignment of N-formyl-2,7-diaryl-1,4-diazepan-5-ones as potent antibacterial agents and type I DHQase inhibitors S. Sethuvasan, P. Sugumar, M.N. Ponnuswamy , S. Ponnuswamy	Journal of Mol. structure	2021, 1236, 130293 (1-11p)
102	SYNTHESIS, SPECTRAL, THERMAL, NLO AND DFT STUDIES ON N-NITROSO-2,6-BIS(4-METHOXYPHENYL)- 3, 3-DIMETHYLPYPERIDIN-4-ONE: EXPERIMENTAL ANDTHEORETICAL APPROACH V. Mohanraj ^{1,2} , P. Sakthivel ¹ , S.S. Ilango ¹ and S. Ponnuswamy ¹	RASAYAN J. Chem.	2021, 14, 516-522
103	Growth, optical, spectral, thermal and mechanical investigations of organic NLO crystal cis-2, 6-bis(4-	Bull. Sci. Res.(Bulletin of Scientific	2021, 3, 13-20

	chlorophenyl)-3, 3-dimethylpiperidin-4-one V. Mohanraj, S.S. Ilango and S. Ponnuswamy	Research)	
104	Crystal structure, DFT and Hirshfeld surface analysis of N-acetyl-t-3-methyl-r-2,c-6-diphenylpiperidine P. Periyannan, M. Beemaroo, K. Karthik, S. Ponnuswamy and K. Ravichandrana	Acta Cryst.	2022, E78, 1-5
105	Growth, thermal and optical properties of r-2,c-6-bis(p-tolyl)-c-3,t-3-dimethylpiperidin-4-one – A new class NLO material Mohanraj, V; Karthik, K; Ilango, S.S; Ponnuswamy, S.	<i>Materials Today: Proceedings</i>	2022, 62, 5323-5328
105	Synthesis, characterization, stereochemistry, antibacterial and antioxidant activity of N-chloroacetyl-2,6-diphenylpiperidines S. Ponnuswamy, P. Chandrika, S. Abdul basheer, A. Akila and G. Usha	Journal of Mol. structure	2023, 1283, 135384 (1-10p) https://doi.org/10.1016/j.molstruc.2023.135384

Annexure B: Research Guidance - Ph. D: 08 & M.Phil:31

Ph.D.

Name of The Scholar	Date of Ph.D Registration	Name of The University	Date of Ph.D Degree Awarded	Title Of The Thesis
S.S. Ilango	August 2005	Bharathiar University	21-03-2014	Synthesis, Stereochemistry And Biological Activity Of Certain Simple And Fused Azacycles
P. Sakthivel	April 2008	Bharathiar University	22-09-2014	Synthesis, Conformational Analysis And Biological Activity Of Azacycles Containing N-X=Y Functions
A. Ilamparithi	Jan. 2009	Bharathiar University	07-04-2015	Corrosion Inhibition Characterization Of Certain Azacyclic Compounds on Mild Steel In Acid Media
A. Akila	Jan. 2012	Bharathiar University	30-11-2016	Synthesis, Stereochemistry And Antimicrobial Evaluation Of Azacycles Containing N-X=Y Functions
S. Sethuvasan	Jan. 2010	Bharathiar University	21-12-2016	Synthesis, Stereochemistry And Biological Studies Of Certain Piperidin-4-Ones And Diazepan-5-Ones

R. Kayalvizhi	Jan. 2010	Bharathiar University	16-02-2018	Synthesis, Stereochemistry And Biological Investigation Of Certain Piperidin-4-Ones And Piperidines
V. Mohanraj	July 2010	Bharathiar University	10-08-2018	Synthesis, Characterisation, Stereochemistry, Biological Investigation And NLO Activity of Certain Piperidin-4-ones And Piperidines
P.M.Gopal swami	July 2008	Bharathiar University	30-08-2018	Studies On The Removal of Dyes From Aqueous Solution Using Activated Carbon Derived from the shoots of Morus Alba.

M.Phil

S.No	Name	University	Year of Admission	Year of Degree awarded
01	SHANMUGAPRABHA	Bharathidasan University	2003	2004
02	LEEMA ROSALINE	Bharathidasan University	2003	2004
03	SURESH	Bharathidasan University	2003	2004
04	SHANTHINI PRAVEENA	Bharathidasan University	2006	2007
05	THENMOZHI	Bharathidasan University	2006	2007
06	AMUTHA	Bharathidasan University	2006	2007
07	KAILESHWARAN	Bharathidasan University	2006	2007
8	P. GEETHAMANI	Bharathiar University	2005	2007
9	P. SAKTHIVEL	Bharathiar University	2006	2008
10	S. SUGUNA	Bharathiar University	2006	2008
11	M. SHALINI	Bharathiar University	2006	2008
12	K. KARTHIK	Bharathiar University	2007	2008
13	R.RAJESH	Bharathiar University	2007	2009
14	V. MOHANRAJ	Bharathiar University	2007	2009
15	M. JAMESH	Bharathiar University	2008	2009
16	J. UMAMAHESHWARI	Bharathiar University	2008	2009

17	S. SETHUVASAN	Bharathiar University	2008	2009
18	M. SRISUDHA	Bharathiar University	2008	2011
19	C. NEELADEVI	Bharathiar University	2009	2011
20	K. THIRUNAVUKARASU	Bharathiar University	2009	2011
21	D.KIRUTHIGA DEVI	Bharathiar University	2009	2012
22	A.AKILA	Bharathiar University	2010	2012
23	P. JEGANATHAN	Bharathiar University	2010	2012
24	K. GOMATHI	Bharathiar University	2011	2014
25	D. DEEPARAJAKUMARI	Bharathiar University	2011	2013
26	S. ABDUL BASHEER	Bharathiar University	2012	2013
27	S. PUSHPALATHA	Bharathiar University	2012	2014
28	R. MINI	Bharathiar University	2013	2014
29	S. AMSAVENI	Bharathiar University	2013	2017
30	M. PRIYA	Bharathiar University	2015	2017
31	S. SINDHU PRIYA	Bharathiar University	2015	2018
32	E. Renu	Bharathiar University	2018	2022

Annexure C: Training – Workshops, Refresher & Orientation Courses, Conferences, Symposiums and Seminars attended

Sl. No.	Nature of Training	Theme	Name of the Institutions	Duration	
				From	To
1.	Workshop	1. Curriculum Development for Job Oriented Courses	UGC-Academic Staff College, Bharathiar Univ. Coimbatore (TNSCHE & UGC-New Delhi)	31-10-03	1-11-03

		2. Preparation of Research Proposals for College Teachers	-do-	14-11-03	15-11-03
		3. Workshop on Biotechnology	NGM College, Pollachi	20-02-2004	One day
		4. Workshop on Current Trends in Chemistry	Govt. Arts College, Coimbatore	Jan. 2006	Two days
		5. National Workshop on One and Two Dimensional NMR Spectroscopy: Theory and Applications	Maduari Kamaraj University, Madurai (DST, New Delhi)	Feb.22	Feb. 23 2007
		6. Workshop on Current Developments in Chemistry	Govt. Arts College, Coimbatore	Feb. 7	Feb. 8 2008
		7. Lecture Workshop on Frontiers in Chemistry	National College Tiruchi (Academies-sponsored)	13-3-2009	14-3-2009
		8. Workshop on Frontiers in Catalysis Research	National College Tiruchi (Royal Society of Chemistry)	Oct. 01 2010	
		9 Academy-Industry meet sponsored by TNSCHE .	Curriculum Development Cell, Bharathiar University, Coimbatore	06-03-2013	
		10. One-day Workshop on Revised Assessment & Accreditation Framework of NAAC	IQAC, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore - 641020	27 th Oct. 2018	
2.	Refresher Courses	1. Refresher Course in Chemistry	UGC-Academic Staff College, Bharathiar Univ., Coimbatore	21-1-2003	10-02-2003
		2. Intensive Refresher Course for College	Directorate of Collegiate Education,	6-12-	10-12

		Teachers in Chemistry	Chennai & PSG College of Arts & Science, Coimbatore	2004	-2004
		3. Refresher Course in Physical Sciences	UGC-Academic Staff College, Bharathiar Univ., Coimbatore	6-9- 2006	26-9- 2006
3.	Orientation Courses	Orientation Programme	UGC-Academic Staff College, Bharathiar Univ., Coimbatore	26-4- 2000	23-5- 2000
4.	Conferences	1. 10 th International Conference on Organic Synthesis- (ICOS, IUPAC)	IISc, Bangalore	Dec. 1994	
		2. National seminar on Recent Trends in Chemistry	Nirmala College for Women, Coimbatore	1-3- 2007	2-3- 2007
		3. National Conference on Recent Advances in Metal- Organic Chemistry and Material Science	PSG College of Technology, Coimbatore	5-7- 2007	7-7- 2007
		4. International Conference on Industrialisation of Institutional Research on Phytomedicines	PSGR Krishnammal College for Women, Coimbatore	8-1- 2009	9-1- 2009
		5. International Conference on Coordination & Organometallic Chemistry	Bharathiar University, Coimbatore	19-3- 2009	20-3- 2009

5.	Symposiums	1. International Symposium on Frontiers in Chemistry and Chemical Technology	Indian Institute of Chemical Technology, Hyderabad	28-3-1995	31-3-1995
		2. 71 st Annual meeting of Indian Academy of Sciences	Bharathidasan University, Tiruchirapalli	11-11-2005	13-11-2005
		3. One day Symposium on “Biology Today”	Raman Institute, Bangalore (IAS)	13-7-2006	–
		4. 71 st Mid-year meeting of Indian Academy	Indian Institute of Science, Bangalore	14-7-2006	15-7-2006
6.	Seminars	1. Seminar on NMR applications in Structural Biology	Dept. of Crystallography and Bio-physics, Univ. of Madras	27-1-1992	28-1-1992
		2. National Seminar on Recent Advances in Metal-Organic Chemistry and Material Science	PSG College of Technology, Coimbatore	5-7-2007	7-7-2007
		3. National Level Seminar on Recent Trends in Chemistry	Gobi Arts & Science College, Gobi	2-2-2008	–
		3. National Seminar on Current Trends in Electrochemistry	Karpagam Arts & Science College, Coimbatore	March 2008	
		4. UGC Sponsored National Seminar on “Recent Developments in Green Chemistry”	Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore	22-7 - 2009	23-7-2009

B) Research Projects carried out

S. No.	Title of the Project	Name of the Funding Agency	Duration	Remarks
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01	Synthesis of strained olefins containing N-nitroso functions and their stereo chemical studies.	UGC – Minor Research Project	2005-07	Rs. 90,000/-
02	Synthesis of novel N(N-acylpiperazinoacetyl)azacycles as potent antimicrobial agents with broad spectrum	UGC - Major Research Project	2011-2014	Rs. 10.34 Lakhs/-

C) Seminars, Conferences, Symposia Workshops etc. attended

C1: Invited Lectures (more than 100)

S. No.	Institution	Conference/seminar	Topic	Date
01	Higher Education Department, Govt. College of Education for Women, Coimbatore-641001	Centrally Sponsored Scheme (X plan) In-service Training for Higher Secondary Teachers	Chemical Equilibrium, Chemical Kinetics & Aromatic Hydrocarbons	23 & 24 Dec. 2004
02	Department of Chemistry, Nirmala College for Women, Coimbatore – 641018	Chemistry Association, Chief Guest	Guest Lecture	06-02-2006
03	Department of Chemistry, Karpagam Arts and Science College, Coimbatore – 641021	Guest Lecture	Research Methodology & Frontier Areas in Chemistry	05-12-2006
04	Department of Chemistry, Chikkanna Govt. Arts College, Tirupur	Special Lecture	Introduction to Nano Technology & Job opportunities for Chemists	14-03-2007
05	Department of Chemistry, Govt. College of Technology, Coimbatore – 641013	Inservice Training Programme for Chemistry teachers Sponsored by TEQIP	Inservice Training Programme in Chemistry Teaching Resource Person	17-18, May, 2007
06	Department of Chemistry, Avinashilingam University for Women, Coimbatore-641043	Chemistry Association Meeting, Chief Guest	Nanochemistry – A review	17-08-2007
07	Department of Chemistry, National College, Tiruchirapalli - 620001	Chemistry Association Meeting, Chief Guest	Nano Science – A review	08-10-2007
08	UGC- Academic Staff	Refresher Course in	Stereochemistry	23-01-

	College, Bharathiar University, Coimbatore – 641046	Physical Science, Resource Person		2008
09	UGC- Academic Staff College, Bharathiar University, Coimbatore – 641046	Refresher Course in Physical Science, Resource Person	NMR Spectroscopy & Stereochemistry	04-02-2008
10	Department of Microbiology, Dr. NGP Arts and Science College, Coimbatore – 641035	Association of Microbiology, Guest Lecture	Nanoscience and Drug Delivery	31-01-2008
11	Department of Chemistry, Gobi Arts & Science College, Gobichettipalayam – 638453	UGC Sponsored National level seminar on Recent Trends in Chemistry	Nano Science	02-02-2008
12	Department of Chemistry, Gobi Arts & Science College, Gobichettipalayam – 638453	Chemistry Association Function, Chief Guest	Stereochemistry	03-10-2008
13	Department of Microbiology, GRD College of Science, Coimbatore – 641014	Two day National Conference on Developments in Deterrent Drug Formulation against Microbial Infections	Stereochemistry and Molecular Reactivity	24-25, Feb. 2009
14	Department of Chemistry, Govt. Arts and Science College, Kozhikode, Kerala	One day seminar on IR-NMR Spectroscopy-Theory and Applications Sponsored by DCE, Govt. of Kerala	IR-NMR Spectroscopy-Theory and Applications (both sessions)	18-11-2009
15	Department of Chemistry, National College, Tiruchirapalli - 620001	SEM 2010, Workshop on Spectroscopic and Electrochemical methods	IR Spectra – Theory and Applications to Organic Molecules	16-18, Feb. 2010
16	Department of Chemistry, Gobi Arts & Science College, Gobichettipalayam – 638453	Chemistry Association, Inaugural Function Chief Guest	Recent Advances in Molecular Spectroscopy	16-07-2010
17	Sri Ramakrishna Mission Vidyalaya College of Arts and	Orientation Programme – Coaching for NET	Effective preparation for NET examination	22-07-2010

	Science, Coimbatore – 641020	for SC/ST/OBC & Minorities (UGC Merged Scheme)		
18	PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirapalli - 620020	Guest Lecture	Significance of Stereochemistry	11-08-2010
19	Kongunadu Arts and Science College, Coimbatore – 641029	UGC Merged Scheme Meeting	Coaching for NET/SLET and Entry services	28-09-2010
20	APA College for Women, Palani - 642615	State Level Workshop on Nanoscience and Nanomaterials	Nano Science and Drug Delivery	20-10-2010
21	Karpagam University, Coimbatore – 641021	Guest Lecture	Green Chemistry	21-10-2010
22	Govt. Arts College, Coimbatore - 641018	UGC sponsored Soft Skill Training programme	Guest Speaker	18 - 29, Jan. 2011
23	United Institute of Technology, Coimbatore – 641020	National Science Day Celebration	Role of Chemistry in Engineering & Technology	28-02-2011
24	Department of Chemistry, PSG College of Arts & Science, Coimbatore – 641014	Chemistry Association Chief Guest	Guest Lecture	09-08-2011
25	Avinashilingam University for Women, Coimbatore-641043	Research Convention	Research Ethics & Post Research Perspectives	10-11, Aug. 2011
26	Govt. College of Education, Coimbatore	National Science Day Celebration	Science today	28-02-2012
27	Hindusthan College of Arts & Science, Coimbatore – 641028	Faculty Development Programme	Tapping of Research Funds	22-09-2012
28	Higher Education Department, Govt. College of Education for Women, Coimbatore-641001	Centrally Sponsored Scheme (XI plan) In-service Training for Higher Secondary Teachers	Basic Concept of Organic Chemistry & Stereochemistry	23 -11-2012
29	Kongunadu Arts and Science College, Coimbatore – 641029 (Inaugurated by His Excellency Dr. A. P. J. Abdul Kalam)	The Indian Science Congress Association, Centenary Celebrations , Southern Regional Science Congress on	Acted as Sectional President for Chemistry & Resource person Synthesis and Stereodynamics of substituted Piperidine & related systems using NMR	15-16 Dec. 2012

		“Science for Shaping the Future of India”	spectra and its relationship with Biological Activities	
30	Department of Chemistry, PSG College of Arts & Science, Coimbatore – 641014	Activities under DBT Star College Scheme	Resource Person	14-03-2013
31	Department of Chemistry KSR College of Arts and Science, Tiruchengode – 637215	Special Lecture	Stereochemistry and its Significance	31-08-2013
32	Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore – 641020	Golden Jubilee Seminar on “Synergies and Harmony between Indian Values and Modern Science”	NMR Specroscopy and its Applications	13-09-2013
33	Department of Chemistry, Vellalar College for Women, Erode- 638012	Special meeting - Guest Lecture	Stereochemistry	20-09-2013
34	PG & Research Deptartment of Chemistry, Sacred Heart College, Tirupatur - 635601 and Department of Chemistry, Thiruvalluvar University, Vellore - 632115	UGC Sponsored National level Conference on Emerging Trends in Chemistry (ETC-2013)	Stereodynamics of Azacycles and their Biological Activity	20-21, Sept. 2013
35	Department of Chemistry, Nirmala College for Women, Coimbatore – 641018	Nirmala Annual Research Congress organized by IQAC	Chair person	28-09-2013
36	PSGR Krishnammal College for Women, Coimbatore -641014	TNSCST Sponsored Inservice Training For the Secondary Grade Science Teachers	Basics of Chemistry	25-29, Nov. 2013
37	Avinashilingam University for Women, Coimbatore-641043	UGC Sponsored – students’ Workshop on “ Vocationalisation of Under Graduate Education Through CBCS”	Acted as Moderator	9-10, Jan. 2014
39	Department of Chemistry, Sri GVG	One Day National Level Workshop on	Retro Synthesis	28-01-2014

	Visalakshi College for Women, Udumalpet – 642128	“Recent Advancements in Chemical Synthesis”		
40	Department of Chemistry, Gobi Arts & Science College, Gobichettipalayam – 638453	UGC Sponsored National level seminar on “Innovative Trends in Chemistry”	Retro Synthetic Analysis	14 th Feb. 2014
41	Department of Chemistry, School of Science and Humanities, Karunya University, Coimbatore- 641114	III National Conference on “Innovations in Chemistry – Health and Energy (iCHEM HE 2014)” sponsored by DST Delhi & TNSCST		06-08, Feb. 2014
42	NGM College, Pollachi – 642001	Orientation Programme for NET/SET	Resource Person	11, Aug. 2014
43	Department of Chemistry, Periyar Arts College, Cuddalore - 607001	TNSCST Sponsored National Conference on “ From University to Industry: Fostering interest in Chemistry among the Students”	IR Spectroscopy and its Applications	25-26, Sept. 2014
44	Department of Chemistry, Nirmala College for Women, Coimbatore – 641018	Guest Lecture	IR Spectroscopy Green Chemistry	11-10-2014
45	Department of Chemistry, Govt. Arts College, Calicut	Two days National Seminar on Principles & Techniques in Chemistry” Sponsored by DCE, Govt. of Kerala	NMR Spectroscopy and its Applications	15-16, Oct. 2014
46	Kongunadu Arts and Science College, Coimbatore - 641029	“Creation of awareness Programme for students” catalysed and supported by TNSCST	Resource Person	06-06-2015
47	Department of Chemistry, PSGR Krishnammal College for Women, Coimbatore -641014	Orientation Programme for Aspirants of NET Exam	Resource Person	03-09-2015

48	Department of Chemistry, Navarasam Arts & Science College for Women, Arachalur, Erode-638 101	Guest Lecture	Green Chemistry	16-09-2015
49	Department of Chemistry, PSGR Krishnammal College for Women, Coimbatore -641014	Guest Lecture	NET Exam	03-09-2015
50	PG Department of Chemistry, Kongunadu Arts and Science College, Coimbatore - 641029	Workshop on "Organic Reaction Mechanism"	General Organic Chemistry and Reaction Mechanism	29-30 Sept. 2015
51	Bishop Appasamy College of Arts & Science, Coimbatore	FDP	Project Proposal Writing	27-10-2015
52	PSG College of Pharmacy Coimbatore - 641004	National conference on "Approach of Green Chemistry in Pharma, Chemical and Material Science Sectors – A Perspective" Sponsored by SERB, DST, New Delhi	Need for Green Chemistry Approach in Chemical Sciences	30-31, Oct. 2015
53	Department of Chemistry, NSS College, Manjeri, Kerala - 676122	UGC sponsored National Seminar on "Crystallography: Special Emphasis on Applications in Chemistry"	Crystallography: Special Emphasis on Applications in Chemistry	06-07, Jan. 2016
54	Department of Chemistry, Kongunadu Arts and Science College, Coimbatore - 641029	Department Association meeting and a Guest Lecture	Beauty and Prospects of Chemistry	12-08-2016
55	Department of Chemistry, Vellalar College for Women, Erode- 638012	UGC - Guest Lecture	Stereochemistry	19-08-2016
56	Department of Chemistry, Sri GVG Visalakshi College for Women, Udumalpet – 642128	Guest Lecture	NMR Spectroscopy	19-10-2016

57	Department of Chemistry, Gobi Arts & Science College, Gobichettipalayam – 638453	Chem Breeze 17 (Inter College Chemistry Students meet)	Chief Guest for Valedictory Function	03-02-2017
58	Department of Chemistry, Nirmala College for Women, Coimbatore – 641018	Orientation Programme for UGC-NET Exam in Chemistry	Acted as Resource Person Lecture –I: Orientation for UGC-NET exam Lecture -2: Problem solving in organic Chemistry and spectroscopy	10-02-2017
59	Post Graduate Department of Chemistry, KAHM Unity Women's College, Manjeri, Kerala-676122	National Seminar on Medicinal Chemistry (NSMC-2017) Sponsored by KSCSTE, Thiruvananthapuram	Design, Synthesis, Stereochemistry, Biological activity and Molecular docking studies on substituted Piperidines.	24 & 25 July 2017
60	Department of Chemistry, SNMV College of Arts & Science, Coimbatore – 641002	Guest Lecture	Nanotechnology	29-08-2017
61	PG Department of Chemistry, NGM College, Pollachi - 642001	Association inauguration cum Guest Lecture	NMR Spectroscopy	13-10-2017
62	Sri Guru Institute of Technology, Coimbatore	Guest Lecture	Nanoscience and Technology	16-11-2017
63	PSG College of Pharmacy, Coimbatore - 641004	One day Workshop on Scientific Writing	Model Research Paper	20 th Dec. 2017
64	Department of microbial biotechnology, School of biotechnology & genetic engineering, Bharathiar University, Coimbatore – 641046	DST-PURSE Phase II sponsored two day lecture workshop on Biological Techniques	Lecture I & II: Deciphering of NMR & IR – I & II	1 st & 2 nd March, 2018
65	Department of Chemistry, Gobi Arts & Science College, Gobichettipalayam – 638453	Chemistry Association, Valedictory Function Chief Guest	Special address	15-03-2018
66	Department of Chemistry, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai - 600106	Lecture workshop on CSIR-NET/JRF Examination	Stereochemistry	06-12-2018
67	Department of	Guest Lecture	NMR Spectroscopy	11-12-

	Chemistry, Nirmala College for Women, Coimbatore – 641018			2018
68	Sri Ramakrishna College of Arts & Science, Coimbatore - 641006	Guest Lecture	IR Spectroscopy and its Applications	06-02-2019
69	Department of Chemistry, Gobi Arts & Science College, Gobichettipalayam - 638453	Chembreeze 19 an Intercollegiate meet	Chief Guest – Special address	08-02-2019
70	Kongunadu Arts and Science College, Coimbatore - 641029	IQAC - Faculty Development Programme	NMR Spectroscopy and its Applications	12-02-2019
71	Department of Chemistry, The Gandhigram Rural Institute – Deemed to be University, Gandhigram -624302	National level Workshop on Nuclear Magnetic Resonance Spectroscopy (WNMRS – 2019)	Basics of NMR Spectroscopy	22 nd & 23 rd March 2019
72	Department of Chemistry, Nirmala College for Women, Coimbatore – 641018	DBT funded Guest Lecture	NMR Spectroscopy – concepts and theory	17 th July 2019
73	Department of Chemistry, Avinashilingam University for Women, Coimbatore-641043	Special Lecture Chemistry Association	IR Spectroscopy and its Applications	05 th August 2019
74	Department of Chemistry, NGM College, Pollachi - 642001	Chief guest - Association inauguration (ALCHEMY) cum Guest Lecture	Stereochemistry of Organic Compounds	05-09-2019
75	Department of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, Coimbatore – 641020	Chief guest –Chemsitry Association	Career Scope & Job Opportunities	17-09-2019
76	Centre of Research (COR) VLB Janakiammal College of Arts and	1. Chief Guest Inauguration of Research Activities 2019-20 &		25-09-2019

	Science, Coimbatore – 641 042	Addressing the Students and Scholars. 2. FDP- Special lecture	Innovations in Research and Tapping of Research Funds	
77	National College Instrumentation Facility (NCIF), National College, Tiruchirapalli – 620 001	Special Lecture (Students of PG Diplamo in Analytical Techniques)	NMR Spectroscopy and its Applications	02-10-2019
78	Department of Biotechnology Kumaraguru College of Technology, Coimbatore	Three days Hands – on Workshop on “FTIR Spectrum Interpretation”(06-08,Dec.2019) Chief guest - inauguration cum Guest Lecture (FN-two sessions)	Theory and Applications of Infrared Spectroscopy (Lectures I & II)	06-12-2019
79	National College Instrumentation Facility (NCIF) and Dept of Chemistry, National College, Tiruchirapalli – 620 001	One day Workshop on Analytical Techniques	IR Spectroscopy	20-12-2019
80	Institute of Forest Genetics and tree Breeding (IFGTB), Coimbatore- 641 002	One day seminar cum interactive meeting on “CRISPR for prosperous Forestry: Scope and challenges” and “Opportunities for new thrust areas in Bioprospecting of Forest Resources”	Re-emerging role of Natural products in drug discovery	07-02-2020
81	American College Central Instrumentation Centre (ACCIC), The American College, Madurai	Webinar on “Spectroscopic Techniques – II”	Session I: IR Spectroscopy Session II: NMR Spectroscopy (ZOOM)	08-07-2020
82	PG & Research Department of Chemistry, Chikkanna Government	Webinar Resource person	“Orientation Program for CSIR-UGC NET Aspirants” (webinarjam)	23-07-2020 11.00-12.50pm

	Arts College, Tirupur – 641 602			
83	PG & Research Department of Biotechnology and Microbiology, Hidusthan College of Arts & Science, Coimbatore – 641 028	Webinar One-week Faculty Development Programme (FDP) on “Become the Role Model”	How to Influence the Students with positive Attitude? (Google meet)	14-10-2020 12-1.00pm
84	National College Instrumentation Facility (NCIF), National College, Tiruchirapalli – 620 001	Webinar (Students of PG Diplamo in Analytical Techniques)	IR Spectroscopy and its Applications	13-12-2020
85	Gobi Arts & Science College, Gobichettipalayam – 638453	UGC Paramarsh Scheme (2020-2021)	Maintaining Quality Standards in Teaching, Learning and Evaluation	08-01-2021 11-1.00pm
86	PSGR Krishnammal College for Women, Coimbatore -641014	International	Chair person	18-02-2021 2.15-3.15
87	Department of Biotechnology Kumaraguru College of Technology, Coimbatore	6 days refresher Course	NMR Spectroscopy	22-02-2021 9-11.00
88	PSGCAS	Guest Lecture	Scientific paper writing	18-03-21
89	Department of Biotechnology Kumaraguru College of Technology, Coimbatore	6 days refresher Course	NMR Spectroscopy	22-03-2021 9-11.00
90	Department of Biotechnology Kumaraguru College of Technology, Coimbatore	6 days refresher Course	NMR Spectroscopy	26-04-2021 9-11.00
91	Department of Chemistry, St. Peter’s Institute of Higher Education and Research (Deemed University), Chennai - 54	2 nd International Virtual Conference on Chemical and Environmental Sciences (ICCES 2021)	Stereochemistry, Biological Activity and Molecular Docking Studies of Substituted Piperidines	19-11-2021
92	PG & Research Department of Chemistry, Ethiraj College for Women (A), Chennai – 600 008	QUANTA- 2021	Valedictory address	11-01-2022

93	IQAC, Vellalar College for Women (A), Erode-12 (UGC-PARAMARSH-MENTOR INSTITUTION)	Workshop UGC Paramarsh Scheme	Maintaining Quality Standards in Teaching, Learning and Evaluation	27-09-2021
94	Indian Science Congress Association Coimbatore Chapter & Department of Chemistry (UG), Kongunadu Arts and Science College (A), Coimbatore - 641029	National Online Seminar on Recent Trends in Chemical Sciences	IR Spectroscopy – Theory and Applications	17-03-2022
95	PG & Research Department of Chemistry, Aringar Anna Government Arts College, Musiri – 621211, Tiruchirapalli	TANSCHE sponsored Two Days National Conference on Recent Advances in Green Chemistry 29 th & 30 th March 2022	Need for Green Chemistry Approach in Chemical Sciences	30-03-2022
96	PG & Research Department of Botany, Government Arts College (A), Coimbatore – 641018	TANSCHE sponsored National Seminar on Bioentrepreneurship, Innovation and IPR	Veledictory Address Sustainable Development	08-04-2022
97	Department of Biotechnology Kumaraguru College of Technology, Coimbatore	Workshop on FTIR & NMR Spectroscopy Techniques	NMR: Theory & Instrumentation	29-09-22
98	PG & Research Department of Chemistry, Gobi Arts & Science College(A), Gobichettipalayam – 638453	One day Seminar	Significance and Advancements in Stereochemistry	08-11-2022
99	PG & Research Department of Chemistry, PSGR Krishnammal College for Women (A), Coimbatore -641004	One day Workshop on Roadmap to crack CSIR NET Chemical Sciences	Roadmap to crack CSIR NET Chemical Sciences	30-01-2023
100	Department of Chemistry, The Gandhigram Rural Institute – Deemed to be University, Gandhigram - 624302	National level Workshop on Nuclear Magnetic Resonance Spectroscopy (WNMRS – 2019) 9 th & 10 th	Basics of NMR Spectroscopy	09-03-2023

		March 2023		
101	Department of Chemistry, Kongunadu Arts and Science College (A), Coimbatore - 641029	DBT Sponsored FDP (DBT Star College Scheme)	How to become Role Model	14-03-23
102	PG Department of Chemistry, Gobi Arts & Science College, Gobichettipalayam – 638453	Chemistry Association Inauguration	Special Lecture	09-08-23

C2: Papers Presented in Conferences

S. No	Abstract Title & Authors	Conferences	Institution	Date
National				
1.	Synthesis and Characterisation of Nickel nano particles. <i>Srisudha, M.; Ponnuswamy, S.</i>	National Seminar on “Recent Trends in Chemistry”	Nirmala College for Women, Coimbatore – 641 018	1 st & 2 nd March 2007
2.	Synthesis and Biological activities of certain substituted Piperidines. <i>Mohanraj, V.; Ponnuswamy, S.</i>	National Seminar on “Recent Trends in Chemistry”	Nirmala College for Women, Coimbatore – 641 018	1 st & 2 nd March 2007
3.	Synthesis and Characterisation of Copper and Nickel nano particles. <i>Srisudha, M.; Mohanraj, V.; Ponnuswamy, S.</i>	National Conference on ‘Recent Advances in Metal-Organic Chemistry and Material Science’	PSG College of Technology, Coimbatore – 641 004.	July 5-7, 2007
4.	Synthesis and Stereochemical studies on certain substituted 1,5-benzodiazepines. <i>Shalini, M.; Sakthivel, P.; Ponnuswamy, S.</i>	National Seminar on ‘Advances in Research and Innovations in Chemistry’	P.S.G.R. Krishnammal College for Women, Coimbatore – 641 004.	27 th & 28 th September, 2007
5.	Synthesis and Stereochemical studies on substituted Tetrahydro-1,5-benzodiazepines. <i>Suguna, S.; Sakthivel, P.; Ponnuswamy, S.</i>	National Seminar on ‘Advances in Research and Innovations in Chemistry’	P.S.G.R. Krishnammal College for Women, Coimbatore – 641 004.	27 th & 28 th September, 2007

6.	Synthesis and Stereochemical studies on certain substituted Piperidin-4-ones. <i>Geethamani, P.; Mohanraj, V.; Ilango, S. S.; Ponnuswamy, S.</i>	National Seminar on 'Advances in Research and Innovations in Chemistry'	P.S.G.R. Krishnammal College for Women, Coimbatore – 641 004.	27 th & 28 th September, 2007
7.	Synthesis and Biological Studies on certain Heterocycles. <i>Mohanraj, V.; Shalini, M.; Sakthivel, P.; Ponnuswamy, S.</i>	National Seminar on 'Advances in Research and Innovations in Chemistry'	P.S.G.R. Krishnammal College for Women, Coimbatore – 641 004.	27 th & 28 th September, 2007
8.	Synthesis and Stereochemistry of <i>N</i> -Nitrosoamines <i>Sakthivel, P.; Ponnuswamy, S.</i>	UGC Sponsored National Level Seminar on Recent trends in Chemistry	Gobi Arts & Science College, Gobichettipalayam	2 nd February, 2008
9.	Synthesis, Conformational Analysis and anti-bacterial activity studies on certain 1, 5-benzodiazepines <i>Shalini, M.; Ponnuswamy, S.</i>	UGC Sponsored National Level Seminar on Recent trends in Chemistry	Gobi Arts & Science College, Gobichettipalayam	2 nd February, 2008
10.	Synthesis and Characterisation of Copper Nanopowders <i>Karthik, K.; Ponnuswamy, S.</i>	UGC Sponsored National Level Seminar on Recent trends in Chemistry	Gobi Arts & Science College, Gobichettipalayam	2 nd February, 2008
11.	Synthesis and Characterisation of <i>N</i> -acylpiperidin-4-ones <i>Umamaheswari, J; Ponnuswamy, S.</i>	UGC Sponsored National Level Seminar on Recent trends in Chemistry	Gobi Arts & Science College, Gobichettipalayam	2 nd February, 2008
12.	Synthesis, Stereochemical and biochemical activity studies on 1,5-benzodiazepines. <i>Suguna, S.; Ponnuswamy, S.</i>	UGC Sponsored National Level Seminar on Recent trends in Chemistry	Gobi Arts & Science College, Gobichettipalayam	2 nd February, 2008
13.	Synthesis and Characterisation of substituted piperidin-4-ones <i>Jamesh, M.; Ponnuswamy, S.</i>	UGC Sponsored National Level Seminar on Recent trends in Chemistry	Gobi Arts & Science College, Gobichettipalayam	2 nd February, 2008
14.	Synthesis and Characterisation of <i>N</i> -acylpiperidin-4-ones <i>Umamaheswari, J; Ponnuswamy, S.</i>	Workshop on Current Developments in Chemistry	Govt. Arts College, Coimbatore	7 th , February, 2008
15.	Synthesis and Characterisation of substituted piperidin-4-ones <i>Jamesh, M.; Ponnuswamy, S.</i>	Workshop on Current Developments in Chemistry	Govt. Arts College, Coimbatore	7 th & 8 th , February, 2008
16.	Synthesis and anti-microbial activity	National Conference	Bharathiar	2 nd & 3 rd ,

	of novel 1, 5-benzodiazepines <i>Ilango, S. S.; Ponnuswamy, S.</i> Received the best paper award	on Current Trends in Chemistry(NCCTC-10)	University, Coimbatore	December, 2010
17.	Synthesis and Stereochemical studies on substituted tetrahydro-1,5-benzodiazepin-2-ones <i>Sakthivel, P.;Ponnuswamy, S.</i>	National Conference on Current Trends in Chemistry(NCCTC-10)	Bharathiar University, Coimbatore	2 nd & 3 rd , December, 2010
18.	Synthesis and Stereochemistry of certain 2,7-diaryl-1,4-diazepan-5-ones using Schmidt rearrangement <i>Sethuvasan, S; Ponnuswamy, S.</i>	National Conference on Current Trends in Chemistry(NCCTC-10)	Bharathiar University, Coimbatore	2 nd & 3 rd , December, 2010
19.	Synthesis, Conformational analysis and anti-bacterial activity studies on certain diarylpiperidin-4-one <i>Thirunavukarasu, K;Ponnuswamy, S.</i>	National Conference on Current Trends in Chemistry(NCCTC-10)	Bharathiar University, Coimbatore	2 nd & 3 rd , December, 2010
20	Growth, thermal, mechanical and optical properties of organic NLO crystals of novel . r-2,c-6-bis(2-chlorophenyl)-c-3, t-3-dimethylpiperidin-4-one – a new class of organic NLO material. <i>Ponnuswamy, S.;Mohanraj, V.; Ilango,S.S.</i>	UGC Sponsored National Conference on Advanced Materials for Emerging Technologies (CAMET-2013)	Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore - 641020	11 th 7 12 th July. 2013
21	Synthesis, charaterisation, stereochemistry and antimicrobial evaluation of N-acyltetrahydro-benzodiazepin-2-ones <i>Sakthivel, P.;Akila,A.;Ponnuswamy, S.</i>	National Conference on Recent Trends in Chemistry – 2019 (RTC'19)	Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore - 641020	1 st & 2 nd Feb. 2019
22	Synthesis, characterization and solution state conformational preferences of N-formyl-2,7-diaryl-1,4-diazepan-5-ones <i>Sethuvasan, S; Ponnuswamy, S.</i>	National Conference on Recent Trends in Chemistry – 2019 (RTC'19)	Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore - 641020	1 st & 2 nd Feb. 2019

23	Growth, thermal and optical properties of r-2,c-6-bis(4-methoxyphenyl)-c3, t-3-dimethylpiperidin-4-one – a new class of organic NLO material. <i>Mohanraj, V.; Ilango,S.S.; Ponnuswamy, S.</i>	National Conference on Recent Trends in Chemistry – 2019 (RTC'19)	Sri Ramakrishna Mission Vidhyalaya College of Arts and Science, Coimbatore - 641020	1 st & 2 nd Feb. 2019
24	Synthesis and spectral, structural, thermal & biological Studies of organic charge transfer complex cis-2,6- bis(4-Methoxyphenyl)-3,5-dimethyl piperidin-4-one picrate <i>Karthik, K; Mohanraj, V; Ponnuswamy, S.</i>	National Conference on Advanced materials for strategic application and sustainable future	Department of Science and Humanities, KPR Institute of Engineering and Technology, Coimbatore.	16 th & 17 th December 2022

International Conferences

01.	Synthesis of Cu ₂ O nanoparticles using polyol process. <i>Ponnuswamy, S.; Karthik, K.</i>	International Conference on Active/ Smart materials	Thiagarajar College of Engineering, Madurai	7 th & 9 th , January 2009
02.	Synthesis and anti-bacterial activity studies on substituted <i>cis</i> -2, 6-diarylpiperidin-4-ones. <i>Mohanraj, V.; Ponnuswamy, S. Viswanathan, T.</i>	International conference on Industrialisation of Phytomedicine	P.S.G.R. Krishnammal College for Women, Coimbatore – 641 004.	8 th & 9 th January, 2009
03.	Synthesis and anti-bacterial activity studies on <i>N</i> -nitroso-2,6-diarylpiperidin-4-ones. <i>Sakthivel, P.;Ponnuswamy, S. Viswanathan, T.</i>	International conference on Industrialisation of Phytomedicine	P.S.G.R. Krishnammal College for Women, Coimbatore – 641 004.	8 th & 9 th January, 2009
04.	Synthesis and anti-bacterial activity studies on certain substituted 1,5-benzodiazepines. <i>Shalini, M.; Ilango, S. S.; Ponnuswamy, S. Viswanathan, T.</i>	International conference on Industrialisation of Phytomedicine	P.S.G.R. Krishnammal College for Women, Coimbatore – 641 004.	8 th & 9 th January, 2009
05.	Synthesis and anti-bacterial activity studies on certain tetrahydro-1,5-benzodiazepines. <i>Suguna, P.; Sakthivel, P.;</i>	International conference on Industrialisation of Phytomedicine	P.S.G.R. Krishnammal College for Women, Coimbatore – 641	8 th & 9 th January, 2009

	<i>Ponnuswamy, S. Viswanathan, T.</i>		004.	
06	Growth, thermal and optical properties of cis-2,6-diphenyl-3-isopropylpiperidin-4-one – a new class of organic NLO material. <i>Mohanraj, V.; Sakthivel, P.; Ponnuswamy, S.</i> Received the best paper award	International conference on Advanced Materials “ICAM2012”	Loyola College Chennai – 600 034	5 th – 7 th January 2012
07	Synthesis and conformational analysis of N-dichloroacetyl-t-3,t-5-dimethyl-r-2,c-6-diphenylpiperidin-4-one <i>Kayalvizhi, R.; Ponnuswamy, S.</i>	International conference on Chemistry – Frontiers & Challenges	P.S.G.R. Krishnammal College for Women, Coimbatore – 641 004.	5 th – 7 th Feb. 2014
08	Synthesis, stereochemistry and antibacterial activity of certain 2,4,6,8-tetraphenyl-3,7-diazabicyclo[3.3.1]nonanes <i>Pushpalatha, S.; Akila, A.; Ponnuswamy, S.</i>	International conference on Chemistry – Frontiers & Challenges	P.S.G.R. Krishnammal College for Women, Coimbatore – 641 004.	5 th – 7 th Feb. 2014
09	Synthesis, characterization, stereochemistry and biological activity of N-formylpiperidin-4-ones <i>Sakthivel, P.; Ponnuswamy, S.</i>	International conference on chemical and Environmental Research (ICCER-2014)	Jamal Mohamed College, Tiruchirapalli - 620020	11 th & 12 th March 2014
10	Synthesis, stereochemistry and biological studies on N-chloroacetyl-3-methyl-cis-2,6-diphenylpiperidine <i>Abdul Basheer, S.; Ponnuswamy, S.</i>	International conference on chemical and Environmental Research (ICCER-2014)	Jamal Mohamed College, Tiruchirapalli - 620020	11 th & 12 th March 2014
11	Synthesis, stereochemistry and dynamic NMR studies of N-nitroso and N-Formyl-t-3-isopropyl-r-2,c-6-bis(4-methoxyphenyl)piperidin-4-ones <i>Sethuvasan, S.; Thirunavukarasu, K.; Ponnuswamy, S.</i>	International conference on chemical and Environmental Research (ICCER-2014)	Jamal Mohamed College, Tiruchirapalli - 620020	11 th & 12 th March 2014
12	Growth, thermal and optical properties of organic NLO crystals of novel t-3-ethyl-r-2,c-6-bis(4-methoxyphenyl)-1-nitrosopiperidin-4-one	International conference on Chemical and Environmental Research (ICCER-	Jamal Mohamed College, Tiruchirapalli - 620020	11 th & 12 th March 2014

	<i>Mohanraj, V.; Sakthivel, P.; Ponnuswamy, S.</i>	2014)		
13	Growth, thermal and optical properties of organic NLO crystals of novel N-nitroso -r-2,c-6-bis(4-methoxyphenyl)- c-3,t-3-dimethyl piperidin-4-one <i>Mohanraj, V.; Sakthivel, P.; Ponnuswamy, S.</i>	International Conference on Advances in New Materials ICAN-2014	Department of Inorganic Chemistry, University of Madras, Chennai - 600025	20 th & 21 st June 2014
14	Growth, spectral, thermal, NLO studies and computational studies on novel NLO organic crystals of N-nitroso-t-3-ethyl-r-2,c-6-bis(4-methoxyphenyl)piperidin-4-one <i>Mohanraj, V.; Sakthivel, P.; Muthuraja, P.; Dhandapani, M.; Ponnuswamy, S.</i>	DST-SERB, NewDelhi sponsored International conference on Materials for Energy and Environment (ICMEE 2018)	Loyola Institute of Frontier Energy (LIFE), Loyola College, Chennai - 600034	22 nd & 23 rd Feb. 2018
15	Synthesis, characterization, solution and solid state conformations of N-formyl-2,7-diaryl-1,4-diazepan-5-ones: A potent antibacterial agent and dehydroquinase dehydratase inhibitor <i>Sethuvasan, S; Sugumar, P.; Ponnuswamy, M.N.; Ponnuswamy, S.</i>	International conference on Research Initiatives in Chemistry for sustainable Development (RICS-2019)	Department of Chemistry, The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Tamilnadu.	18 th & 19 th March 2019
16	Synthesis, characterization, stereochemistry, antibacterial and antioxidant of N-chloroacetyl-cis-2,6-diphenylpiperidines <i>Chandrika, P; Akila, A; Abdul basheer, S; Ponnuswamy, S.</i>	International Interdisciplinary virtual conference on “Breakthroughs and Approaches in Contemporary Scientific Research”	PG & Research Department of Chemistry & Physics, PSGR Krishnammal College for Women in Collaboration with Department of Chemistry & Physics, University of Dar es Salaam, Tanzania.	17 th to 19 th February 2021
17	Growth, thermal and optical properties of r-2,c-6-bis(p-tolyl)-c-3,t-3-dimethylpiperidin-4-one – A new class NLO material <i>Mohanraj,</i>	International Conference on Emerging Trends in Materials and	Department of Physics, CMR Institute of Technology, Bengaluru.	10 th & 11 th February 2022

	<i>V; Karthik, K; Ilango, S.S; Ponnuswamy, S.</i>	Technology		
18	Synthesis, Characterization, Antibacterial and Antioxidant Activity of <i>N</i> -Chloroacetyl-2,6-Diphenylpiperidines <i>Chandrika, P; Abdul basheer, S; Akila, A; Ponnuswamy, S.</i>	International Conference on chemistry for sustainable development	Department of Chemistry, Avinashilingam Institute for Home science and Higher education, Coimbatore.	22 nd & 23 rd February 2023
19	Synthesis and Characterization of <i>N</i> -Bocpiperazinoacetyl 2,6-diphenylpiperidin-4-ones <i>Kirthikaa, M; Dhivya KP., Kavyashree, V; Sandhiya, R; Chandrika, P; Ponnuswamy, S.</i>	International conference on influence of Chemistry in the transition towards green economy	PG & Research Department of Chemistry, PSGR Krishnammal College for Women, Coimbatorte.	01 nd & 02 nd March 2023

iii) Teaching Experience

Duration	Designation	Name of the College	Courses Taught
17.10.10 to till date	Associate Professor	Govt. Arts College (Autonomous) Coimbatore	UG, PG, and M.Phil Chemistry
11.10.04 (AN) 16-10-10	Reader	Govt. Arts College (Autonomous) Coimbatore	UG, PG, and M.Phil chemistry
02-12-99 to 11-10-04 (FN)	Lecturer (S.S)	Chikkanna Govt.Arts College, Tirupur.	UG Chemistry
15-10-98 to 01-12-99	Lecturer	Govt. Arts College, Dharmapuri.	UG Chemistry
04-09-95 to 14-10-98	Lecturer	Kongunadu Arts and Science College, Coimbatore.	UG & PG Chemistry

Total Teaching Experience (in years and months):

a) Under-graduate : 28 years

b) Post-graduate : 22 years

iv) Extension Work/ Community Service

- Participated in the Career Guidance programme conducted in all the Corporation Schools and a few aided Schools of Coimbatore to create awareness among students
- Given Career Guidance to NSS students of Schools and Colleges

D. Participation in Corporate Life

Membership in Academic Bodies

- Member of Board of Staff Selection Committee in Nine Aided Colleges, Karunya University & Private Arts & Science and Engineering colleges.
- Member, Doctoral Committee, Bharathiar University, Anna University & Karpagam University, Coimbatore, Tamil Nadu.
- Member, CDC (Curriculum Development Cell), Bharathiar University, Coimbatore, Tamil Nadu.
- Member of Board of Studies in Chemistry (PG), Bharathiar University, Coimbatore, Tamil Nadu.
- Member of Board of Studies in School of Nanoscience and Technology (PG), Bharathiar University, Coimbatore, Tamil Nadu
- Member of Board of Studies in Chemistry (M.Phil/Ph.D), Bharathiar University, Coimbatore, Tamil Nadu.
- Member of Board of Studies in Chemistry (PG), Karunya University, Coimbatore, Tamil Nadu.
- Member of Board of Studies in Chemistry (PG), Karpagam University, Coimbatore, Tamil Nadu.
- Member of Board of Studies in Chemistry (UG & PG), P.S.G.R. Krishnammal College for women, Coimbatore, Tamil Nadu.
- Member of Board of Studies in Chemistry (UG & PG), Kongunadu Arts & Science College, Coimbatore, Tamil Nadu.
- Member of Board of Studies in Chemistry (UG & PG), Gobi Arts and Science College, Gobichettipalayam, Tamil Nadu.
- Member of Board of Studies in Chemistry (UG), RVS College of Arts and Science College, Coimbatore, Tamil Nadu.
- Member of Board of Studies in Chemistry (UG & PG), Nirmala College, for women, Coimbatore, Tamil Nadu.
- Member of Board of Studies in Chemistry (UG & PG), Sri Ramakrishna Mission Vidhyalaya College of Arts & Science, Coimbatore, Tamil Nadu.
- Member of Board of Studies in Chemistry (UG & PG), NGM College, Pollachi, Tamil Nadu.

- Member of Board of Studies in Chemistry (UG), APA College of Arts & Science for Women, Palani, Tamil Nadu.
- Member of Board of Studies in Chemistry (UG), GRD College of Arts & Science Coimbatore, Tamil Nadu.
- Member of Board of Studies in Chemistry (UG), Sri Ramakrishna College of Arts & Science (SNR), Coimbatore, Tamil Nadu.
- Member of Board of Studies in Chemistry (UG), Vellalar College for women, Erode, Tamil Nadu.
- Member of Board of Studies in Chemistry (UG & PG), SNS Rajalakshmi College of Arts and Science, Coimbatore
- Member of Board of Studies in Chemistry (UG & PG), Government Arts College, Coimbatore, Tamil Nadu.

- Member of Board of Studies in Chemistry (UG), GVG College, Udumalpet, Tamil Nadu.

Other Academic activities

- **Referee in six international journals**
- Academic coordinator – M.Phil Programme (Chemistry & Physics), M K University (Apr-May-2007)
- External Academic Audit Expert (Chemistry), Karunya University, Sri Ramakrishna Mission Vidhyalaya College of Arts & Science (A), Coimbatore, Tamil Nadu.
- Member, AA Audit committee, P.S.G.R. Krishnammal College for women (A), Coimbatore, Tamil Nadu.
- External Academic Audit Expert (Chemistry), Gobi Arts & Science College (A), Gobichettipalayam, Tamil Nadu.
- Resource person for refresher courses – Academic Staff College, Bharathiar University, Coimbatore.
- Resource person for the refresher courses conducted for the +2 teachers by the UGC and Govt. of Tamil Nadu (in-service training Programmes)
- Member of Examination Boards of Bharathidasan, Periyar, Thiruvalluvar, Madurai Kamaraj, Karunya Universities and Avinashilingam University for women
- Co-ordinated the NAAC visit at Chikkanna Govt. Arts College, Tiruppur (2004)
- Co-ordinator , Computer Literacy Programme, Chikkanna Govt. Arts College, Tiruppur
- **Organising Secretary** for the “Workshop on Current Developments in Chemistry (CDC-08) ‘, Govt. Arts College, Coimbatore (Feb7 & 8, 2008)
- **Organising Secretary** for the “Seminar on Chemistry for Future‘, Govt. Arts College, Coimbatore (29-12-1012)
- Acted as Judge for the Seminars and Exhibitions (of different levels) conducted by Govt. of Tamil Nadu & Colleges
- Conducted quiz (state level, Chemistry students) for Royal Society of Chemistry (Chennai chapter) at National College, Tiruchirapalli
- Various career guidance programmes
- Coordinator UGC-NET coaching programme (XI plan), GAC, Coimbatore
- Member, UGC Committee(XI & XII Plan), Govt. Arts College, Coimbatore
- Member, Discipline Committee, Govt. Arts College, Coimbatore
- Member, Expert committee formed by DCE, Chennai.
- Coordinator, **DST-FIST Programme**, Govt. Arts College, Coimbatore (2012-18)
- Convener, Research Committee, Govt. Arts College, Coimbatore (2012-2013)
- Member, RUSA Committee, Govt. Arts College, Coimbatore (from 2016-22)

- Member, NAAC Committee, Govt. Arts College, Coimbatore (from 2016-22)
- **Research Co-ordinator**, Govt. Arts College, Coimbatore (from Feb. 2018)
- Co-ordinator, Chemistry (PG), School of Distance Education (SDE), Bharathiar University, Coimbatore (from July 2018)
- Course Coordinator, TANSCHÉ Sponsored Two days In-service training program in Physical Sciences (05 & 06-05-2022)

F. Award or Prize/Distinction received

S. No.	Name	Institution	Purpose of Award
1	College I Rank	Gobi Arts & Science College, Gobi	College topper
2	GATE90	MHRD (Indian Institute of Science, Bangaluru)	97.6 percentile (16 th Rank, National Level)
3	CSIR-UGC JRF & Lecturership	Jointly by CSIR & UGC	To Award JRF & Lecturership
4	TRB Exam for the Post of Lecturer in Chemistry	Govt. of Tamilnadu	I Place, State level
5	Biography is included in the 25 th Silver Anniversary edition of 'Who's Who in the World' (November 2007)	Marquis Whoswho USA	Leading achievers from around the world
6	Biography is included in the 2000 Outstanding Intellectuals of the 21st Century and selected as one of the Leading Educators of the World 2008 & International Scientist of the year 2008	International Biographical Centre, Cambridge, England	Leading achievers from the world
7	"Bharat Ratna Dr. Radhakrishnan Gold Medal Award" (2018)	Gobal Economic Progress & Research Association	for meritorious service and achievements

(Signature of the Teacher)