

Madurai Kamaraj University Faculty Profile



- (1) Name: **Prof. A. Ponnuswamy**
- (2) Date of Birth & Age: 21.11.1962; 54
- (3) Designation: Micro Analyst -Professor
- (4) Department / School: Department of Organic Chemistry, School of Chemistry
- (5) Educational Qualifications: M.Sc., Ph.D.
- (6) Professional Experience: Teaching: 30 Yrs.; Research: 30 Yrs.
- (7) Teaching Specialization: Synthetic Organic Chemistry
- (8) Course Taught/teaching : (2015-2017 only)

Name of the Program	Year	Course Title	Course Code	Course/Unit Teacher	No. of Students
PG					
M.Phil.					
Ph.D.					

- (9) Teaching Awards / Recognition:

S.No.	Name of the Award	State/ National/ International	Awarding Agency	Month and Year	Place	Value if any

- (10) Research Specialization: Synthetic Organic Chemistry (Green chemistry, Methodologies, Bio-active hybrids, Reagents etc.,
- (11) Research Supervision:

Program	Completed	Ongoing
Ph.D.	11	5 (2 submitted)
M.Phil.	33	-

- (12) Research Projects: Nil Ongoing: Nil;

(13) Details of Completed Research Projects: Nil

S.No.	Title of the Project	Funding Agency	Sanctioned Order No. & Date	Total Grant	Year

(14) Details of Ongoing Research Projects:

S.No.	Title of the Project	Funding Agency	Sanctioned Order No. & Date	Total Grant	Year

(15) Details of Present Research Scholars:

S.No.	Name of the Scholar	Registered Thesis Title	Register No. with Date	Fellowship Details
1	M. Dinesh (Submitted)	Synthesis and Characterisation of Some Nitrogen and / or Sulphur Containing Heterocycles	F8862 03.04.2012	Non-Net
2	R. Ranganathan (Submitted)	Hybrids of Some Heterocyclic Compounds - Synthesis and Characterization	F8865 03.04.2012	UGC-BSR-SRF-Meritorious
3	G.Jaabil	Studies on the synthesis and characterization of heterocyclic compounds	F9396 26.08.2014	Non-Net
4	V. Archana	Electrochemical protocols as greener and sustainable synthetic methodologies for synthesis of organic compounds	P4831 07.01.2017	-
5	G. Amala	Organic functionalized nanostructured catalysts for the applications of electrochemical sensors	P4832 07.01.2017	-

(16) Research Awards / Recognition:

S.No.	Name of the Award	State/ National/ International	Awarding Agency	Month and Year	Place	Value if any

(17) Publication :

S. No	Author(s)	Title	Name of Journal	Volume	Page	Year	Impact factor	ISBN	Peer review/ Non peer review
1	Sivasubramaniyan Archana, Raja Ranganathan, Murugan Dinesh, Ponnusamy Arul, Alagusundaram Ponnuswamy, Patchaiah Kalaiselvi, Subbiah Chellamma I, Gopalan Subramanian	Design, synthesis and antibacterial studies of potent pyrazolinyltriazoles.	Res Chem Intermed	43	2471 – 2490	2017	1.369	1568-5675	Peer review
2	Sivasubramaniyan Archana, Murugan Dinesh, Raja Ranganathan, Alagusundaram Ponnuswamy, Patchaiah Kalaiselvi, Subbiah Chellamma I, Gopalan Subramanian, Saminathan Murugavel	Water mediated one-pot synthesis and biological evaluation of 1,2,3-triazolyl-1,4-dihydropyridine hybrids.	Res Chem Intermed	43	187–202	2017	1.369	1568-5675	Peer review
3	Ranganathan Raja, Dinesh Murugan, Archana Sivasubramaniyan, Jaabil George, Sakthivel Perumal, Ponnuswamy Alagusundaram, Mohan Raj Jayakumar, Murugavel Saminathan	Sequential change in one-pot, three-component protocol: A stepping stone in heterocyclic synthesis.	Synthetic Communications	46	942–948	2016	1.065	0039-7911	Peer review

4	Ranganathan Raja, ArchanaSivasubramaniyan, Dinesh Murugan, NagarajSubbaiah, Jaabil George, ShanmugavelanPoo van, NagarajanSangaraiah, PonnuswamyAlagusundaram, KrishnamoorthyShanmugam, ChandrasekaranManivachagam	A green synthesis of 1,2,3-triazolyl-pyridine hybrids and evaluation of their antibacterial activity.	Res ChemIntermed	42	8005 – 8021	2016	1.369	15 68-56 75	Peer review
5	Murugan Dinesh, Raja Ranganathan, Sivasubramaniyan Archana, MuruganSathishkumar, Mohamed SulthanRoshanbanu, AlagusundaramPonnuswamy	Staudinger's phosphazene as an efficient esterifying reagent	Synthetic Communications	46	1454 - 1460	2016	1.065	00 39-79 11	Peer review
6	S Murugavel, S Vijayakumar, SangaraiahNagarajan&AlagusundaramPonnuswamy	Crystal structure and DFT studies of 4-(1-benzyl-5-methyl-1H-1,2,3-triazol-4-yl)-6-phenylpyrimidin-2-amine	Indian Journal of Pure. &	54	199-208	2016	0.521	09 75-10 41	Peer review
7	S. Murugavel, D. Lakshmanan, SangaraiahNagarajan, AlagusundaramPonnuswamy	Synthesis and crystal structure of 6-(1-benzyl-5-methyl-1H-1,2,3-triazol-4-yl)-4-(2-methoxyphenyl)-3,4-dihydropyrimidine-2(1H)-thione	Bulgarian Chemical Communications	47	50–54	2015	0.238	03 24-11 30	Peer review
8	S. Murugavel, R. Madhanraj, D. K. Andrew Prasanna Kumar, SangaraiahNagarajan and AlagusundaramPonnuswamy	Experimental and Theoretical Studies of 4-(1-benzyl-5-methyl-1H-1,2,3-triazol-4-yl)-6-(2,4 dichlorophenyl) pyrimidin-2-amine: A Potential Antibacterial Agent	Journal Of The Chinese Chemical Society	62	974-983	2015	0.83	21 92-65 49	Peer review

9	Murugan Dinesh, Sivasubramanian Archana, Raja Ranganathan, MuruganSathishkumar, AlagusundaramPonnuswamy.	Bis azide–triphenylphosphine as a reagent for esterification at room temperature.	Tetrahedron Lett.	56	6975 – 6979	2015	2.347	0040-4039	Peer review
10	ArchanaSivasubramanian, Dinesh Murugan, Ranganathan Raja, SathishkumarMurugan, ShanmugavelanPoonvan, PonnuswamyAlagusundaram.	Synthesis of <i>N</i> -Acyl Triazolyl-Pyrazolines via Acylation Initiated by the Hydrazone Moiety with Carboxylic Acids.	Synthetic Communications	45	2748 – 2763	2015	0039-7911	1.065	Peer review
11	S. Murugavel, R. Madhanraj, D. K. Andrew Prasanna Kumar, SangaraiahNagarajan and AlagusundaramPonnuswamy	Experimental and Theoretical Studies of 4-(1-benzyl-5-methyl-1H-1,2,3-triazol-4-yl)-6-(2,4-dichlorophenyl)pyrimidin-2-amine: A Potential Antibacterial Agent	Journal Of the Chinese Chemical Society	62	974-983	2015	0.83	2192-6549	Peer review
12	S. Murugavel, R. Madhanraj, SangaraiahNagarajan And AlagusundaramPonnuswamy	Synthesis, Crystal Structure and DFT Studies of 4-(1-Benzyl-5-methyl-1H-1,2,3-triazol-4-yl)-6-(o-tolyl)pyrimidin-2-amine	Asian Journal of Chemistry	27	974-978	2015	0.253	0970-7077	Peer review
13	S. Murugavel, S. Vijayakumar, SangaraiahNagarajan, AlagusundaramPonnuswamy	Crystal structure and dft studies of 4-(1-benzyl-5-methyl-1h-1,2,3-triazol-4-yl)-6-(3-methoxyphenyl)pyrimidin-2-amine	J. Chil. Chem. Soc.,	59	2640 -	2014	0.37	0717-9324	Peer review

14	SangaraiahNagarajan, PoovanShanmugavelan, MuruganSathishkumar, RamasamySelvi, AlagusundaramPon nuswamy, HariharanHarikrishnan, VellasamyShanmu gaiah, SaminathanMuruga vel	An eco-friendly and water mediated product selective synthesis of 2-aminopyrimidines and their in vitro anti-bacterial evaluation	Bioorganic & Medicinal Chemistry Letters	24	4999 – 5007	2014	2.454	09 60- 89 4X	Peer review
15	PoovanShanmugavelan, MuruganSathishkumar, SangaraiahNagarajan, AlagusundaramPon nuswamy	An efficient and facile synthesis of novel 1,2,3-triazolyl-N-acyl pyrazoline hybrids	Chinese Chemical Letters	25	146– 148	2014	1.81	10 01- 84 17	Peer review
16	SangaraiahNagarajan, PoovanShanmugavelan, MuruganSathishkumar, RamasamySelvia, AlagusundaramPon nuswamy, HariharanHarikrishnan, VellasamyShanmu gaiah	An eco-friendly water mediated synthesis of 1,2,3-triazolyl-2-aminopyrimidine hybrids as highly potent anti-bacterial agents	Chinese Chemical Letters	25	419- 422	2014	1.81	10 01- 84 17	Peer review
17	PoovanShanmugavelan, MuruganSathishkumar, SangaraiahNagarajan, Raja Ranganathan, and AlagusundaramPon nuswamy	The First Solvent-Free, Microwave-Accelerated, Three-Component Synthesis of Thiazolidin-4-ones via One-Pot Tandem Staudinger/aza-Wittig Reaction	Helvetica Chimica Acta	51	1004 - 1011	2014	1.138	15 22- 26 75	Peer review

18	PoovanShanmugavelan, SangaraiahNagarajan, MuruganSathishkumar, Raja Ranganathan, AlagusundaramPonnuswamy.	An Efficient and Environmentally Benign Access Towards Synthesis of Novel 1,2,3-Triazolyl-pyrazoline Hybrids.	Letters in Organic Chemistry	11	446-456	2014	0.73	18 75- 62 55	Peer review
19	MuruganSathishkumar, SangaraiahNagarajan, PoovanShanmugavelan, Murugan Dinesh and AlagusundaramPonnuswamy	A facile, rapid, one-pot regio/stereoselective synthesis of 2-iminothiazolidin-4-ones under solvent/scavenger-free conditions	Beilstein J. Org. Chem	9	689-697	2013	2.337	18 60- 53 97	Peer review
20	PoovanShanmugavelan, MuruganSathishkumar, SangaraiahNagarajan, Raja Ranganathan, and AlagusundaramPonnuswamy	The First Solvent-Free, Microwave-Accelerated, Three-Component Synthesis of Thiazolidin-4-ones via One-Pot Tandem Staudinger/aza-Wittig Reaction	Journal of Heterocyclic Chemistry	51	1004-1011	2013	0.787	19 43- 51 93	Peer review
21	SangaraiahNagarajan, PoovanShanmugavelan , Murugan Sathishkumar, NamachivayamPriyadharshini, Padmanaban Sudakar a &AlagusundaramPonnuswamy	Chemoselectivity in Coupling of Azides with Thioacids in Solution-Phase and Solvent-Free Conditions	Synthetic Communications	43	668-680	2013	1.065	00 39- 79 11	Peer review
22	Chin Wei Ooi, Hoong-Kun Fun, ChingKhengQuah, Murugan Sathishkumar and AlagusundaramPonnuswamy	(Z)-3-(4-Methylphenyl)-2-[(2-phenylcyclohex-2-en-1-yl)imino]-1,3-thiazolidin-4-one	ActaCryst		1796-1797	2012	-	16 00- 53 68	Peer review

23	Hoong-Kun Fun, TzeShyang Chia, SivasubramanianAr chana, Murugan Dinesh and AlagusundaramPon nuswamy	Dimethyl 1-(3-hydroxy-2- iodo-1-phenylpropyl)-1H- 1,2,3-triazole-4,5- dicarboxylate	ActaCryst		1559	2012	-	16 00- 53 68	Peer review
24	Chin Wei Ooi, Hoong-Kun Fun, ChingKhengQuah, MuruganSathishku marb and Alagusundaram Ponnuswamy	(Z)-3-Benzyl-2-[(2- phenylcyclohex-2- enyl)imino]-1,3-thiazolidin-4- one	ActaCryst			2012	-	16 00- 53 68	Peer review
25	Chin Wei Ooi, Hoong-Kun Fun, ChingKhengQuah, Murugan Sathishkumar and AlagusundaramPon nuswamy	(Z)-3-(4-Chlorophenyl)-2-(2- phenylcyclohex-2-en-1- ylimino)- thiazolidin-4-one	ActaCryst		1999 – 2000	2012	-	16 00- 53 68	Peer review
26	NagarajanSangaraiah, SathishkumarMurugan, ShanmugavelanPoo van, Ranganathan Raja, PonnuswamyAlagu sundaram, VenkatesanRamakr ishnan, ShanmugaiahVellas amy	Facile water promoted synthesis of 1,2,3-triazolyl dihydropyrimidine-2-thione hybrids e Highly potent antibacterial agents	European Journal of Medicinal Chemistry	58	464- 469	2012	4.519	02 23- 52 34	Peer review
27	PoovanShanmugav elan, MuruganSathishku mar, SangaraiahNagaraj an And AlagusundaramPon nuswamy	A facile synthesis of 1,2,3- triazolyl indole hybrids via SbCl ₃ -catalysed Michael addition of indoles to 1,2,3-triazolyl chalcones	J. Chem. Sci.	12 4	941– 950.	2012	1.298	09 73- 71 03	Peer review

28	SangaraiahNagarajan, Park Ran, PoovanShanmugavelan, MuruganSathishkumar, AlagusundaramPonnuswamy, Kee Suk Nahm and G. Gnanakumar	The catalytic activity of titania nanostructures in the synthesis of amides under solvent-free conditions	New J. Chem.	36	1312 – 1319	2012	3.277	13 69- 92 61	Peer review
29	Hoong-Kun Fun, TzeShyang Chia, PoovanShanmugavelan and AlagusundaramPonnuswamy	4-Benzyl-8-phenyl-1-thia-4 azaspiro [4.5]decan-3-one	ActaCryst		1438	2012	-	16 00- 53 68	Peer review
30	Chin Wei Ooi, Hoong-Kun Fun, ChingKhengQuah, MuruganSathishkumar and Alagusundaram Ponnuswamy	(Z)-3-(4-Bromophenyl)-2-[(2-phenylcyclohex-2-en-1-yl)imino]-1,3-thiazolidin-4-one	ActaCryst		1994	2012	-	16 00- 53 68	Peer review
31	PoovanShanmugavelan, SangaraiahNagarajan, MuruganSathishkumar, AlagusundaramPonnuswamy, PerumalYogeeswari, DharmarajanSriram	Efficient synthesis and in vitro antitubercular activity of 1,2,3-triazoles as inhibitors of Mycobacterium tuberculosis	Bioorganic & Medicinal Chemistry Letters	21	7273 – 7276	2011	2.454	09 60- 89 4X	Peer review
32	Hoong-Kun Fun, MadhukarHemamalini, Poovan Shanmugavelan, AlagusundaramPonnuswamy and RathinavelJagatheesan	3-Benzyl-2-phenyl-1,3-thiazolidin-4-one	ActaCryst		2706	2011	-	16 00- 53 68	Peer review

33	Hoong-Kun Fun, MadhukarHemamal ini, Poovan Shanmugavelan, AlagusundaramPon nuswamy and RathinavelJagathe san	(E)-1-(1-Benzyl-5-methyl-1H- 1,2,3-triazol-4-yl)-3- phenylprop-2-en-1-one	ActaCryst		2707	2011	-	16 00- 53 68	Peer review
34	MuruganSathishku mar, SangaraiahNagaraj an, PoovanShanmugaV elan, Murugan Dinesh and AlagusundaramPon nuswamy	Microwave-Assisted Clean Synthesis of Amides via Aza- Wittig Reaction under Solvent-Free Condition	J. Braz. Chem. Soc.	22	2065 - 2069	2011	1.129	16 78- 47 90	Peer review
35	Hoong-Kun Fun, MadhukarHemamal ini, Poovan Shanmugavelan, AlagusundaramPon nuswamy and RathinavelJagathe san	(E)-1-(1-Benzyl-5-methyl-1H- 1,2,3- triazol-4-yl)-3-(4- fluorophenyl)prop-2-en-1-one	ActaCryst		2776	2011	-	16 00- 53 68	Peer review
36	Hoong-Kun Fun, MadhukarHemamal ini, Poovan Shanmugavelan, AlagusundaramPon nuswamy and RathinavelJagathe san	3-Benzyl-2-(furan-2-yl)-1,3- thiazolidin-4-one	ActaCryst		2807 - 2808	2011	-	16 00- 53 68	Peer review
37	MarappagounderPe riasamy and AlagusundaramPon nuswamy	Synthesis of 7a-Aryl-5-t-butyl- 3 methylene octahydrobenzofuran Possessing Partial Skelotons of Some Santonin Analogue and Furanolignans by Intramolecular Radical Cyclisation Reaction	Journal of Heterocyclic Chemistry	44	883- 887	2007	0.787	19 43- 51 93	Peer review

38	M. Periasamy, N. Subbulakshmi, J. Suresh, A. Ponnuswamy and S. Natarajan	2-Hydroxy-2-(2- methylphenyl)cyclohexyl acetate	ActaCryst		4966 – 4968	2006	0.567	16 00- 53 68	Peer review
39	M. Periasamy, SudhaSoundirapan dian, S. Athimoolam, A. Ponnusamy and S. Natarajan	1-Naphthyl-4- phenylcyclohexene	ActaCryst		5651 – 5653	2006	0.567	16 00- 53 68	Peer review
40	M. Periasamy, SudhaSoundirapan dian, S. Athimoolam, A. Ponnusamy and S. Natarajan	4-tert-Butyl-1-(1- naphthyl)cyclohexene	ActaCryst		5670 – 5672	2006	0.567	16 00- 53 68	Peer review
41	M. Periasamy, L. Anjana, S. Athimoolam, A. Ponnuswamy and S. Natarajan	3-Bromo-5-tert-butyl-2-(4- isopropylphenyl)-2- methoxycyclohexan-1-one oxime	ActaCryst		4899 – 4901	2006	0.567	16 00- 53 68	Peer review
42	M. Periasamy, L. Anjana, S. Athimoolam, A. Ponnuswamy and S. Natarajan	3-Bromo-2-ethoxy-2- phenylcyclohexan-1-one oxime	ActaCryst		5116 – 5118	2006	0.567	16 00- 53 68	Peer review
43	M. Periasamy, J. C. Jebaraj, J. Suresh, A. Ponnuswamy and S. Natarajan	3-Acetyl-2-(4- methylphenyl)cyclohex-2-en- 1-one oxime	ActaCryst		5920 – 5922	2006	0.567	16 00- 53 68	Peer review
44	M. Periasamy, S. Athimoolam, A. Ponnuswamy and S. Natarajan	3-Bromo-5-tert-butyl-2- (methoxyethoxy)-2- phenylcyclohexanone oxime	ActaCryst		5220 – 5222	2006	0.567	16 00- 53 68	Peer review
45	M.Thirumalaikuma r, S.Sivakolunthu, A. Ponnusawamy, S.Sivasubramanian	Synthesis and characterization of cobalt(II), nickel(II), copper(II) bis-chelates and mixed-ligand complexes of a- (2-hydroxyphenyl)-N-(2- nitrocyclohexyl)nitron	Indian Journal of Chemistry	38 A	720- 722	1999	0.494	09 75- 09 75	Peer review

46	M Thirumalaikumar, S Sivasubramanian, A Ponnuswamy, P Mohan	Synthesis, reactions and antimicrobial studies of α-aryl-N-(2-nitrocyclohexyl) nitrones	European Journal of Medicinal	31	905- 908	1996	4.519	02 23- 52 34	Peer review

1 Conferences participation:

Name of the Conference	Date	Place	State/ National/ International	Attended/Presented/ (Post/Oral/.....)

2 Papers Presented in Conference:

Name of the Conference	Date	Place	Title	Author(s)	Conference Proceeding ISBN
21st CRSI National Symposium in Chemistry	July 14-16, 2017	CRSI- Indian Institute of Chemical Technology, Tarnaka, Hyderabad, India	A facile synthesis of 1,2,3 - triazolyl- cyanopyridine hybrids via one- pot sequential multicomponent reaction under grinding strategy	George Jaabil, Raja Ranganathan, and Alagusundaram Ponnuswamy	
Three-day National Seminar on Emerging Trends in Chemistry	18-20 February 2016	Madurai Kamaraj University, Madurai	An efficient microwave assisted solvent- free synthesis of thiazole-2- imines.	Raja Ranganathan, Alagusundaram Ponnuswamy,	

CRSI Sponsored seminar on Emerging Trends in Chemistry	18-20 February 2016.	Madurai kamaraj university, Madurai, India	Bis-iminiophosphorane as a new esterifying reagent at room temperature under neutral condition	Dinesh M, Ponnuswamy A	
International Conference on Recent Advances In Materials and Chemical Sciences (ICRAMCS-2015)	14, 15 December 2015	Gandhigram Rural Institute (DU), Dindigul, Tamilnadu, India	A deeper look on the components and mechanism in developing greener protocol – solvent-free synthesis of thiazole-2-imine as case study	Raja Ranganathan, George Jaabil, Alagusundaram Ponnuswamy,	
International conference on Recent Advance in materials and Chemical Science (ICRAMCS-2015)	14-15 December 2015	Gandhigram Rural University, Gandhigram, India	A new chemo selective esterifying reagent for thio ester at room temperature under neutral condition	Dinesh M, Ponnuswamy A	
10th Mid-Year CRSI, symposium in chemistry	23-25 th July, 2015	National Institute of Technology, Tiruchirappalli, Tamilnadu, India	An efficient synthesis of N-Acyl bis 1,2,3-triazoly pyrazoline hydrids	George Jaabil, Alagusundaram Ponnuswamy	
10th Mid-Year CRSI, symposium in chemistry	23-25 July 2015	National Institute of Technology, Tiruchirappalli, Tamilnadu, India	A green synthetic protocol for the synthesis of 1, 2, 3-triazoly pyrazoline hybrids	Raja Ranganathan, PerumalSakthivel, Alagusundaram Ponnuswamy	
10th Mid –Year CRSI Symposium in Chemistry NIT-&BDU	23-25 july 2015.	TrichyTamil nadu	A Convenient solvent – free synthesis of amides via aza Wittig reaction	Archana S, Ponnuswamy A	
National Seminar on Frontier Areas in Chemical Technologies (FACTs-2015)	6-7 March 2015	Alagappa University, Karaikudi, Tamilnadu, India	An eco-friendly, one-pot water mediated synthesis of thiazole-2-imine derivatives	Raja Ranganathan, PerumalSakthivel, Alagusundaram Ponnuswamy	

National Conference on Recent Advances In Chemical Sciences	5-6 th march 2015	Gandhigram Rural Institute (DU), Dindigul, Tamilnadu, India	A facile synthesis and characterization of bis-1,2,3-triazolyl pyrazoline hybrids	George Jaabil, Alagusundaram Ponnuswamy.	
National Symposium on Transcending Frontiers in Organic Chemistry, CSIR-NIIST-2014	9-11 October 2014	CSIR-NIIST-2014, Trivandrum, Kerala	An efficient and environ-friendly water mediated synthesis of 1, 2, 3-triazolyl-pyridine hybrids	Raja Ranganathan, SubbaiahNagara j, Alagusundaram Ponnuswamy	
National Symposium on Transcending Frontiers in Organic Chemistry CSIR-NIIST	9-11th Oct 2014	Trivandrum, Kerala, India	Esterfication using diazides via iminophosphorane- A new protocol for ester synthesis:	Dinesh M, Ponnuswamy A	
National Symposium on Transcending Frontiers in Organic Chemistry CSIR-NIIST,	October, 9-11 th , 2014	Trivandrum, Kerala, India	Diastereoselective synthesis of novel pyrazolines	Srikrishnan R, Ponnuswamy A	
National Symposium on Transcending Frontiers in Organic Chemistry CSIR-NIIST,	9-11th Oct 2014.	Trivandrum, Kerala, India	Catalyst-free acylation of pyrazolines with carboxylic acids a probe into the mechanism :	Archana S, Ponnuswamy A	
16th CRSI National Symposium in Chemistry (NSC-16)	7-9 February 2014	Indian Institute of Technology Bombay, Powai, Mumbai	Efficient and Environmentally Benign Access Towards Synthesis of Novel 1,2,3-Triazolyl-pyrazoline Hybrids.	Raja Ranganathan, PoovanShanmugavelan, Alagusundaram Ponnuswamy	
CRSI National Symposium in Chemistry (NSC-16),	7-8 th Feb 2014.	IIT Bombay, India.	A facile one-pot multi-component synthesis of thiazolidin-4-ones via Staudinger/aza-Wittig reaction:	Archana S, Ponnuswamy A	

International conference on chemical and environmental research (ICCER-2014),	2014	Jamal Mohamed College, Trichy-20, Tamilnadu,	An efficient one-pot three-component strategy for synthesis of Spirothiazolidine-4-ones via Staudinger/aza-Wittig reaction	Archana S, Ponnuswamy A	
Chennai Chemistry Conference-2013	8-10 February 2013	CSIR-Central Leather Research Institute, Chennai, Tamilnadu,	An Efficient Solvent-free, Microwave-accelerated, Three-component Synthesis of Thiazolidin-4-ones via One-pot Tandem Staudinger/aza-Wittig Reaction.	Raja Ranganathan, PoovanShanmugavelan, Alagusundaram Ponnuswamy,	
15th CRSI National Symposium in Chemistry (NSC-15) & 7th CRSI-RSC Symposium in Chemistry,	31 st Jan & 1-3 rd Feb, 2013	Banaras Hindu University, Varanasi-221 005, UP, India.	Water promoted synthesis of potential antibacterial 1,2,3-triazole-dihydropyrimidine 2-thione hybrids	Nagarajan S, Ponnuswamy A	
National Symposium on Newer Horizons in Chemistry (NSNHC) (Awarded best Poster Presentation)	March 9, 2012	Manonmaniam Sundaranar University, Tirunelveli.	Synthesis of Allyl Carbodiimides via. Chemoselective desulphurisation of Allyl thiourea.	M. Sathishkumar, A. Ponnuswamy,	
International Conference on Synthetic and Structural Chemistry (ICSSC-2011)	December 8-10, 2011,	Mangalore University, Mangalore	Novelty of solvent-free approach in comparison with solution phase protocols in phthalimide synthesis via. Aza-wittig reaction	M. Sathishkumar, A. Ponnuswamy,	
The Role of Chemistry in Monitoring the Environment" (NSC ME-2011)	November 3, 2011,	Department of Chemistry, Sri Venkateswara University	Solvent/catalyst-free, environment-friendly green protocol for amide synthesis via. Azawittig reaction.	R. Srikrishnan, M. Sathishkumar, A. Ponnuswamy,	

National Conference on recent trends in green synthesis (RTGGS-2011)	August 5-6, 2011	Alagappa University, Karaikudi	Solvent/Catalyst-Free coupling of nascent phosphazenes with acyl chlorides.	M. Sathishkumar, A. Ponnuswamy	
Recent trends in chemical sciences: Frontiers and challenges (RTCSFC-2011), (Awarded Best Paper Prize for Oral Presentation)	August 25-26, 2011	University of Kerala, Trivandrum	Micro-wave accelerated solvent-free protocol for amide synthesis via. Coupling of nascent phosphazenes with carboxylic anhydrides.	M. Sathishkumar, A. Ponnuswamy,	
Recent trends in chemical sciences: Frontiers and challenges (RTCSFC-2011),	August 25-26, 2011	University of Kerala, Trivandrum.	Impact of solvents on the coupling of phosphazenes with phthalic anhydride in phthalimide synthesis.	S. Archana, M. Sathishkumar, A. Ponnuswamy	
National conference on recent trends in green synthesis- RTGS-2011	5-6 th August 2011	Dept. of Industrial Chemistry, School of Chemistry, Alagappa University, Karaikudi, Tamilnadu, India	One-pot, Microwave accelerated, Solvent-free, Chemoselective synthesis of amides via. coupling of azides with thioacids	Nagarajan S, Ponnuswamy A	
National conference on current trends in chemistry- NCCTC-2011	March 24-25, 2011	Dept. of Chemistry, Manonmania mSundaranar University, Abishekapatti, Tirunelveli,	An exploration towards one-pot, three-component synthesis of thiazolidin-4-one derivatives from azides via Aza-wittig reaction.	P. Shanmugavelan, A. Ponnuswamy	
National Conference on current trends in chemistry (NCCTC-2011)	March 24-25, 2011	Manonmania mSundaranar University, Tirunelveli	One-pot, three component regioselective synthesis of 1, 5-disubstituted tetrazoles.,)	M. Sathishkumar, A. Ponnuswamy	

National conference on current trends in chemistry-NCCTC-2011	24-25 th March 2011	Department of Chemistry, Manonmani amSundaran ar University, Abishekat ti, Tirunelveli, Tamilnadu, India,	Design and synthesis of Novel Triazoles - A molecular docking approach	Nagarajan S, Ponnuswamy A	
National conference on current trends in chemistry-NCCTC-2011	24-25 th March 2011	Department of Chemistry, Manonmani amSundaran ar University, Abishekat ti, Tirunelveli, Tamilnadu, India	Skeletal impact on the diastereoselectiv e synthesis of N,N-disubstitutedthio ureas	Palanikumar K, Ponnuswamy A	
5th Mid-Year CRSI symposium in Chemistry, NIIST, CSIR- Thiruvananthapura m	July 23-24, 2010	Kerala, India	Exploration of amide bond formation via direct coupling reaction of Staudinger phosphazenes with carboxylic acids.	P. Shanmugavelan, A. Ponnuswamy	
National seminar on new frontiers in chemistry-NSNFC-2010	March, 15-16, 2010	Dept. of Chemistry, Annamalai University, Annamalainagar, Tamilnadu, India	Synthesis of Diastereomeric 2-Alkoxy-2-aryl-1-methoxy-3-bromocyclohexanes- Potential Synthons towards Anti-tumor Santonin analogues.	P. Shanmugavelan, K.Palanikumar, A.Ponnuswamy	

12th CRSI National Symposium in Chemistry & 4th CRSI-RSC Symposium in Chemistry, IICT, Hyderabad	February 4-7, 2010.	Hyderabad & National Institute of Pharmaceutical Education and Research (NIPER),	Synthesis of diastereomeric 2-alkoxy-2-aryl-1-azido-3-bromocyclohexanes-A potential synthon towards hybrid bioactive skeletons.	P. Shanmugavelan, K. Palanikumar, A. Ponnuswamy	
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3 Conference/Workshop/Seminar/Training Organized:

Type	Name	Date(s)	Place	Role Played	No. of Days	No. of Participants	Funding Agency	Budget if any
workshop	Refresher Course	23.12.2014 - 12.01.2015	M.K. university	Co-ordinator	30	18	UGC	-

4 Research Publication Impact:

No. of Publications	Total Citation	Highest Citation	h-index	Total Impact Factor	Lowest Impact Factor	Average Impact Factor
46	279	69	9	44.543	0.253	1.369

5 Books Published:

S.No.	Title of the Book/Chapter	Author(s)	Publisher	Year	Total No of Pages	With ISBN Number	Editor Name for Edited Books

6 Intellectual Property Rights generated:

(a) Patents

S.No.	Patent title	Author(s)	Patent No. and date (for Granted)	Filing No (for Submitting/Pending)

(b) Technology Developed/transferred:

S.No.	Title	Author(s)	Transferred to	Period	Funding Support received if any

- (Transferred receiving Organization/Company/Industry)

(c) Software Developed:

S.No.	Title	Autho(s)	Purpose	Period	Funding Support received if any

(d) Scientific Data Contributions:

Name	Author(s)	ID	Deposited Data Bank	Date	Funding Support received if any

- (Protein/DNA/RNA/Isolated Strains and their sequence information)

(e) Structural Data Contributions:

(X-Ray/NMR/Microscope)

Name	Author(s)	Methods	ID	Deposited Data Bank	Date	Funding Support received if any

7 Consultancy Services Offered:

S.No.	Name of Client/Organization	Period (Month & Year)	Revenue generated Earned	Purpose of Consultancy	Type (Service/Project)	Govt./NGO/ Small Scale Industry/Private

8 Research Collaboration (Both National & International):

S.No.	Name of the Collaborator	Institute	Collaboration Details	Collaboration Output (Papers/Patents/Research/Online)

9 Foreign Academic Visit(s):

Country Visited	Period (From - To)	Purpose of Visit (Conference/Seminar/Workshop/Viva/Post-doctoral/Visiting Professor)

10 Academic Honors/Awards/Fellowship:

Name (Honors/Awards)	Period (Month & Year)	Awarding Agency	Place	Value if any

11 Administrative Experience/ Role Played: (Last Five Years)

Role Played	Responsibilities	Period (Month & Year)
Co-ordinator, CBCS, MKU		
Co-ordinator, CIC, MKU		
Deputy. Co-ordinator, DST-PURSE, MKU		
Dean, Faculty of Sciences, MKU		
Director, Publication, MKU		

12 Membership in Academic/Scientific/ Societal Professional Bodies:

Name	Membership Period Year/Life Member	State/National/ International	Participatory Roles if any

13 Extension Activities:

Activity Name	Details of Activity	Place	Period (Month & Year)	Societal Impact(s)/Contribution(s)