

Number of papers presented by the Faculty at the National level / International level

National level -15

International level-12

Year	Name	Topic	Seminar/Conference	Institution	International/National
2014	Dr.S. Kothai	3 papers	Conference		International
		1 paper	Seminar	Ethiraj College for Women(autonomous)	National
2015	Dr.S. Kothai	1 paper	Conference	C.T.T.E college for Women	National
		1 paper	Conference	Anna Adharsh college for Women	International
		1 paper	Conference	Sri Venkateshwara University	National
		2 paper	Seminar	MR Govt. Arts College	National
		1 paper	Conference	Presidency College	International
	1 paper	Conference	Vels university	National	
	Dr.S. Sudha Parimala	1 paper	Conference	Sathyabama University, Chennai	International
2016	S.Kothai	1 paper	Seminar	Meenakshi College for women(autonomous), Chennai	National
2017	Dr. S. Kothai	4 papers	Conference	Pachaiappa's College, Chennai	National
		2 papers	Conference	Pachaiappa's College, Chennai	International
		1	Conference	Ethiraj College for women(autonomous), Chennai	National
	1	Seminar	Madras University	International	
	Dr. L. Leelavathy	2 papers	Conference	Madras University	National
2018	Dr.S. Sudha Parimala	2 papers	Symposium & Conference		International
	Dr.S.kothai	1 paper	Conference	Anna Adharsh college for Women	International
		1 paper	Symposium	Ethiraj College for Women(autonomous)	National

No.of students Completed M.Phil and Ph.D., (2014-2019):

M.Phil-4
Ph.D-6

Major or Minor or Government funded

Name of the person: Dr.S.Kothai
 Title of the Project: Synthesis & characterization of certain chalcone based photocrosslinkable copolyesters.
 Duration: August 2016- March 2017
 Amount: 10,000
 Funding agency: Tamilnadu State Council for Science and Technology(TNSCST)
 Ongoing or completed: completed.

Name of the person: Dr.S.Sudha parimala
 Title of the Project: “Functionalization of graphene with hetero atoms of O,S,N by green method for pollution management and industrial applications
 Duration: 2 years
 Amount: 3,40,000/-
 Funding agency: TNSCST-S&T (TamilNadu State council for science and technology)
 Ongoing or completed:Ongoing (current academic year)

STUDENT ACTIVITIES

UG Students ,PG students, Ph.D Scholars,M.Phil Scholars

PAPER PRESENTATION

Sl.No	Name	Title	International /national Conference/Seminar	Institution
1.	M.Vaishnavi	Emerging Trends in nanoscience Research	National	
2.	Mrs. Perundevi and Mrs. Lakshmi Devi	Advanced Polymers-A gateway to research and industries		Meenakshi college for Women
3.	S. Prashanna Suvaitha	Green synthesis and Phytocatalytic degradative property of doped and undoped nanoscale zinc stannate ceramic	National	Meenakshi college for Women

4.	Mrs. R. Umamaheswari	Green Chemistry for a Greener planet	International	Anna Adharsh college for women
5	Ms. A. Saranya and Ms. M.Ramya II M.Sc Chemistry	Study on Effective reduction of Graphene oxide- a green approach	National	Royal Society of Chemistry, CSIR-CLRI and IIT Madras, Chennai
6	Ms. A. Saranya and Ms. M.Ramya II M.Sc Chemistry		International	Department of Chemistry, Anna Adarsh College for Women.
7	S. Kothai and Umamaheswari. R	Design, development and characterisation of copper nanoparticles loaded microsponges	National Seminar	Anna adarsh college for women
8	Aswini.R and S. Kothai	Conductance Behaviour of Novel polymer Nanocomposites	International Conference ”,	VIT Vellore.
9	Aswini.R and S. Kothai	Conducting behavior of Iron and Iron oxide Nanoparticle – a comparison	International Conference	Stella Maris College in collaboration with DST Thematic Unit of Excellence, IIT Madras.
10	S. Kothai and Aswini.R	Electrical conductivity of Bischalcone based random copolyesters: Synthesis and Characterisation	National Conference	Madras Christian College.
11	S. Kothai and Umamaheswari.R	<i>In-vitro</i> Cytotoxicity and wound healing potential of green synthesised Copper Nanoparticles Loaded Microsponges	International Conference	Stella Maris College in collaboration with DST Thematic Unit of Excellence, IIT Madras.
12	S. Kothai and Aswini.R	Electrical conductivity of Bischalcone based random copolyesters: Synthesis and Characterisation	National	Madras Christian College.
13	S. Kothai and Umamaheswari.R	<i>In-vitro</i> Cytotoxicity and wound healing potential of green synthesised Copper Nanoparticles Loaded Microsponges	International Conference	Stella Maris College in collaboration with DST Thematic Unit of Excellence, IIT Madras.
14	S. Kothai and Umamaheswari.R	<i>In-vitro</i> Cytotoxicity and Wound Healing Potential of Honey Loaded Microsponges	National Conference	Madras Christian College.

Best Paper Award

Mrs. R. Umamaheswari received the Best Paper award for her **Oral presentation** in the **International Conference on Green Chemistry for a Greener planet.**

PAPER PUBLICATIONS (2014-2019)

S.No	Name of the author	Title of the Paper	Name of the journal	Volume	Page No	Year
1.	T.S.Perundevi, D.Reuben Jonathan, S.Kothai.	Synthesis and characterization of Certain Photocrosslinkable Thermotropic Liquid Crystalline Random Copolyesters Containing Bis-Chalcone Moiety	<i>Journal Chemistry and Chemical Sciences</i>	6	329-338	2016
2.	S. Kothai and B.Jayanthi.	Ultrasonicwave assisted synthesis of iron and antibacterial silver nanoparticles	<i>International Journal of Advanced Research</i>	4(7)	1355-1365	2016
3.	P.Shanthi, S.Kothai.	Fabrication of herb encapsulated chitosan zinc oxide nanocomposites for improved antimicrobial activity.	<i>Asian Journal of biochemical and pharmaceutical research</i>	Vol.6 ISSN No: 2231-2560	62-67	2016
4.	P.Shanthi, S.Kothai.	Potential wound management of herb fabricated chitosan – zinc oxide nanocomposite.	<i>Asian Journal of biochemical and pharmaceutical research</i>	Vol.6 ISSN No: 2231-2560	1-6	2016
5.	T. Shobana Premlatha, S.Kothai.	Synthesis and characterization of collagen copper oxide nanocomposite incorporated with herb and their antibacterial applications.	<i>International Journal of innovative research in science engineering.</i>	IJRSE/ vol 4 ISSN .9/ ISSN No: 2347-3297	130-135	2016
6.	D.Lakshmi Devi, D.Reuben Jonathan, S.Kothai.	Biocidal efficacy of synthetic copolyesters having chalcone moiety.	<i>Journal of Chemical and Pharmaceutical Research</i>	Vol 8(3)	1041-1046	2016
7.	T.S.Perundevi, D.Reuben Jonathan, S.Kothai.	Synthesis and Studies on Non-linear Optical Property of New Chalcone Based Polymers	<i>Chemical Science Transactions</i>	6	199-208	2017
8.	D.Lakshmi Devi, N. Varsha, S.Kothai.	Synthesis and Characterization of Cretain Chalcone Based	<i>Journal of Chemistry and Chemical Sciences.</i>	Vol 7 (6)	414-424	2017

		Photocrosslinkable Copolyesters.				
9.	P.Shanthi, S.Kothai	A Comparative study of Chitosan-Silver(I) oxide Nanocomposite and its Fabrication with Herb	<i>International Journal of Advanced Research and Review</i>	Vol. 3 (1)	44-48	2017
10.	S.Kothai, B.Jayanthi	Chemical characterization of ethanolic extract of Propolis of stingless Bees Collected from four different Districts of Tamilnadu in India	<i>Journal of Chemistry and Chemical Sciences</i>	Vol. 7 (12)	1170- 1178	2017
11.	P. Shanthi, S. Kothai	Anticancer Activity of Chitosan-Zinc oxide Nanocomposite Fabricated with Herb	<i>International Journal of Recent Scientific Research</i>	Vol. 8 (11)	21474 - 21476	2017
12.	T. Shobana Premlatha, S.Kothai	Potential Wound Management by Herb incorporated Collagen-copper Oxide Nanocomposite	<i>Journal of Chemistry and Chemical Sciences</i>	Vol. 7 (9)	732- 737	2017
13.	T.Shobana Premlatha, S.Kothai	Extraction and a study on the Characterization of Collagen from Fish Scales	<i>Journal of Chemistry and Chemical Sciences</i>	Vol. 8 (1)	10-15	2018
14.	D.Lakshmi Devi, A. Ganesh Kumar, S.Venkatesh, S.Kothai.	In Vitro and Insilico analysis of inhibition efficiency of synthetic random copolyester with chalcones moiety against Human Pathogens	<i>International Journal of Engineering Science and Computing</i>	Vol. 8 (4)	16969	2018
15.	S.Kothai, S. Venkatesh, D. Lakshmi Devi	Design, Synthesis, Characterisation of Chalcone Derivatives PTSH and PITI and their potential anticancer properties against MDA-MB-231 Cell Lines	<i>Journal of Chemistry and Chemical Sciences,</i>	Vol. 8 (4)	737- 750	2018
16.	D.Lakshmi Devi, R.Aswni, S.Kothai.	Synthesis and characterization of chalcone based copolyesters and their Anticancer activity	<i>Int. Journal of Pharmaceutical Sciences and Research</i>	Vol. 9 (4)	1589- 1593	2018
17.	S. Kothai and Umamaheswari. R.	Green Synthesis, Characterization of Copper Nanoparticles Derived from <i>Ocimum Sanctum</i> Leaf Extract and their Antimicrobial Activities	<i>Journal of Chemistry and Chemical Sciences</i>	Vol.8(7)	984- 992,	2018
18.	S. Kothai and	STUDIES ON	<i>International</i>	Vol.7(8)	568-	2018

	Umamaheswari. R.	ANTIMICROBIAL AND ANTIOXIDANT ACTIVITY OF HONEY	<i>Journal of Engineering Sciences & Research Technology</i>		574	
19	S. Kothai and Umamaheswari. R	Evaluation of Antimicrobial and Antioxidant Activity of Green Synthesized Copper Nanoparticles from the Leaf Extract of <i>Hibiscus Rosa-Sinensis</i>	<i>International Journal of Green and Herbal Chemistry</i>	Vol.7(4)	834-842.	2018
20	S. Kothai and Umamaheswari. R	Antioxidant activity of Copper nanoparticles synthesised from the Leaf Extract of <i>Ocimum Sanctum</i>	<i>International Journal of Pharmacy and Biological Sciences</i>	Vol.8(4)	783-786	2018
21	S. Kothai and Umamaheswari. R	Fabrication and Characterisation of Honey Loaded Microsponges	<i>Journal of Drug Delivery and Therapeutics</i>	Vol.9(4)	18-23	2019
22	Prashanna Suvaitha.S, Sudha parimala.S*	Effect of Europium (III) Oxide doping on the nanoscale ceramic stannates $M\text{SnO}_3$ [M=Ca and Ba] upon morphology, photo luminescence and catalytic degradation activity and anti microbial activity -Green approach	<i>Material Science Research India</i>	185-196	Vol.1 5(2),	2018
23	R.Usha and S.Sudhparimala*,	Nano Scale Hydroxyapatite from <i>Crassostreao Virginica</i> (Oyester Seashells)and its modification with <i>Azadirachta Indica</i> (Neem Extract)	<i>Material Science Research India</i>	296-306	Vol.1 5(3)	2018
24	D.Malathy, R.Vijayanthimala*	Synthesis, Characterization, antimicrobial and Cytotoxic Studies on transition metal complexes of penta methylene dithiocarbamate and diamines	<i>Journal of applied chemistry (IOSR)</i>	Vo 1 8(4),	52-59	2015

25	Bharathi Krishnan, R. Vijayanthimala * and K.R.Nivedha	First row transition Metal Complexes of Morpholine Dithiocarbamates and Diamines synthesis, Spectroscopic Investigation and Biological Studies	<i>Journal of applied chemistry (IOSR)</i>	Vol 18(4),	46-51	2015
26	G. Brindha and R. Vijayanthimala*	Synthesis, characterization of novel Copper(II), Nickel(II) complexes of N-substituted thiosemicarbazides: Evaluation of anti-bacterial, anti-fungal and anti-cancer activities	<i>Journal of chemical and pharmaceutical research</i>	Vol 7(3)	225-231	2015,
27	Bharathi Krishnan and Vijayanthimala R*	Synthesis, characterisation and biological applications of mixed ligand cobalt (II) complexes containing Dithiocarbamates and Diamines	<i>International Journal of Chemical and Pharmaceutical Sciences</i>	Vol 6 (1)	36-40	2015,
28	Thilagavathi P, Vijayanthimala R and Bavani D	Synthesis, characterisation and antimicrobial studies on thorium(IV) and cerium(IV) complexes of vanillin schiff bases of diamines	<i>International Journal of Chemical and Pharmaceutical Sciences</i>	Vol 6 (1)	84-89	2015
29	D.Malathy, R.Vijayanthimala	Novel Mn(II) mixed ligand complexes of pentamethylene dithiocarbamate and schiff base: Synthesis, spectroscopic investigation and biological activity	<i>International Journal of Chemical and Pharmaceutical Sciences</i>	Vol 6 (1)	51-57	2015

30	Bharathi Krishnan and Vijayanthimala R	Synthesis, Spectroscopic Characterisation and Biological Studies of Novel Co (II) Mixed Ligand Complexes of Piperidine Dithiocarbamate and Schiff bases	<i>Journal of Chemical, Biological and Physical Sciences</i>	Vol 5(2)	1139 - 1145	2015
31	D.Malathy, R.Vijayanthimala	Synthesis, Characterization, Antimicrobial And Anticancer Activities of Mn(II) Mixed Ligand Complexes of Pentamethylene Dithiocarbamate with Diamines	<i>Journal of Chemical, Biological and Physical Sciences</i>	Vol 5 (2)	1131 - 1138	2015
32	R.Vijayanthimala, G.Brindha, P.Thilagavathi and M Kavitha	Synthesis, Characterization and Evaluation of Biological application of Titanium (III) Complexes with Vanillin Schiff Bases	<i>Journal of Chemical, Biological and Physical Sciences</i>	Vol 4(3)	1866 - 1874	2014
33	R.Vijayanthimala Bharathi Krishnan, Gomathi and M Vijaya	Synthesis, Characterisation and Study Of Biological Application Of Simple Mixed Ligand Complexes Of Nickel (II) With morpholine dithiocarbamate and Amines Such as Ethylene Diamine, Diethylenetriamine and Triethylenetetramine	<i>Research Journal of Pharmaceutical, Biological and Chemical Sciences</i>	Vol 5(3)	1832 - 1837	2014.
34	R.Vijayanthimala A. Hemalatha, Bharathi Krishnan and D. Malathy	Synthesis and characterisation of mixed metal complexes of Fe-W with schiff bases of triethylenetetramine	<i>International journal of pharmaceutical, chemical and biological sciences</i>	Vol 4(2)	272-276	2014

35	RVijayanthimala* M Vijaya, B Uma, Bharathi Krishnan and D Malathy	Synthesis and Characterization of Mixed Metal Complexes of Fe-W with Schiff Bases Of DiethyleneTriamine	<i>Research Journal of Pharmaceutical, Biological and Chemical Sciences</i>	V ol 5(2)	368- 372	2014
36	D.Malathy and R.Vijayanthimala ,	Piperazine Dithiocarbamate bridges homobinuclear mixed ligand complexes of Mn(II) with aminoacids- Synthesis, spectral characteisation and biological studies	<i>Internatio nal Organisati on of Scientific Research (IOSR)- Journal of Applied Chemistry</i>	Vol- 9, Issue- 4,	Pg. 5 6- 62	April 2016
37	G.Caroling, M.Nithya Priyadarshini E.Vinodhini A.Mercy Ranjitham	Bio synthesis of Copper nano particles using aqueous Guava extract- Characterization and study of antimicrobial effects	<i>International Journal of Pharmacy and Biological Sciences</i>	Vol- 5 , Issue 2	P g 2 5 - 43	,April -June 2015
38	G.Caroling E.Vinodhini, A.Mercy Ranjitham and P.Shanthi	Bio synthesis of Copper nano particles using aqueous Phyllanthus Embilica Goose berry extract- Characterization and study of antimicrobial effects	<i>International Journal of Nanomaterials and Chemistry</i>	Vol – 1 No.2	P g 5 3 - 63	2015
39	Sudha Parimala Lingeswari, Subhshini, Aishwarya	<i>ALOE BARBADENSIS</i> <i>MILLER</i> Mediated Synthesis Of Nano Crystalline Tin (Iv) Oxide – Influence Of The Plant Extract Concentration, Period Of Digestion And Calcinations Temperature	<i>International Journal Of Medical And Applied Sciences – Earth Journal</i>	Volu me 3, Issue 1,	Pg 21 6- 232	2014

40	Sudha Parimala, Arumugam Gnanamani.A, Asit Baran Mandal	Green synthesis of tin based nano medicine: Assessment of microstructure and surface Property	<i>American Journal of Nanoscienc e and Nanotechno logy</i>	2(4)	Pg- 75- 83	2014
41	Perundeivi T.S., Reuben Jonathan D., Kothai S	Synthesis, Characterization and Antibacterial Study of Certain Copolyesters containing Bis-Chalcone moiety in the Main chain	<i>Internation al Journal of Pharma and BioSciences</i>	Vol 5(4),	528- 53	2014
42	T.S.Perundeivi, D.Reuben Jonathan, S.Kothai	Anticancer activity of silver nano particles bio- synthesized using stingless bee propolis (<i>Tetragonulairidipennis</i>) of Tamilnadu	<i>Asian Journal of Bio Medical and Pharmaceutical Sciences</i>	<i>Vol.4, Issue 40</i>	30- 37	2014
43	S.Kothai, B.Jayanthi	Evaluation of Antioxidant and Antimicrobial Activity of Stingless bee propolis (<i>Tetragonulairidipennis</i>) of Tamilnadu	<i>International journal of Pharmacy and Pharmaceutical sciences</i>	Vol.6, Issue 8	81- 85	2014.
44	S.Kothai, B.Jayanthi	Ultrasound intensified green synthesis of silver nano particles using <i>Camellia sinensis</i> extract fortified with Lemon and Honey	<i>International journal of Chemtech Research</i>	<i>Vol.6, Issue 1</i>	248- 253	2014.
45	T.S.Perundeivi, D.Reuben Jonathan, S.Kothai	Synthesis And Characterization of Certain Photocrosslinkable Random Copolyesters With Bis- Chalocone Moiety	<i>International Journal of Advanced Research</i>	<i>Vol.3, Issue 3</i>	1147 - 1154	2015

46	T.S.Perundevi, D.Reuben Jonathan, S.Kothai	Synthesis and In-Vitro Evaluation of Novel Bischalcone Polymers as Potential Anticancer Agents	<i>International Journal of Pharmaceutical Sciences Review and Research</i>	Vol.33, Issue 1	97-101	2015
47	S. Kothai, B.Jayanthi	Biomedical studies of silver nano particles synthesized using stingless bee propolis	<i>International Journal of Nanomaterials and Biostructures</i>	5(4)	40-4	2015
48	T.S.Perundevi, D.Reuben Jonathan, S.Kothai	Synthesis, Characterization of Certain Copolyesters with Bis-Chalcone Moiety in the Main chain and the Study of their Nanofibers Blends	<i>International Journal of Nanomaterials and Biostructures</i>	Vol.5, Issue 4	46-52	2015
49	S.Kothai , B.Jayanthi	A Study on the quality of stingless bee propolis reared from the most commercial hub of Chennai	<i>International Research Journal of Environmental Sciences</i>	Vol.4, Issue 7	39-47	2015
50	S.Kothai , B.Jayanthi	Environmental impact on stingless bee propolis (Tetragonulairidipennis) reared from two different regions of Tamilnadu. – A Comparative study	<i>International Journal of ChemTech Research</i>	Vol.7, Issue 7	3080 - 3088	2015
51	T.Sobana Premlatha, S.Kothai	Synthesis, characterization and antibacterial activity of Gelatin- herb nano composite	<i>Asian Journal of Biomedical and Pharmaceutical Science</i>	Vol.5, Issue 50	35-37	2015

52	P.Shanthi, S. Kothai	.Synthesis and Characterisation of Chitosan with incorporated herb - a noval bio nano composite	<i>International journal of Chemtech Research</i>	Vol.8, Issue 8	208- 214	2015
53	P.Shanthi and S.Kothai	A Comparative study of Chitosan- Silver (I) oxide Nanocomposite and its Fabrication with Herb	<i>International Journal of Advanced Research and Review</i>			2017
54	S.Kothai, T.Shobanapremalath a	Synthesis, Characterisation and Investigation of Antibacterial Activity of Herb Incorporated Collagen –Silver(I) Oxide Nanocomposites	<i>International Journal of Green and Herbal Chemistry</i>	8(1)	010- 01	2019
55	R.Bhargavi, S.Praveen kumar V.Narayanan and L.Leelavathy	Microwave Synthesis , Characterization , Electrochemistry and Antimicrobial activity of Manganese acyclic Schiff Complexes	<i>International Journal of Innovative Research in Science and Engineering , Online</i>		2347- 3207	2014
56	R.Bhargavi, S.Praveen kumar V.Narayanan and L.Leelavathy	Synthesis , Characterization of acyclic Schiff bases and its electrochemical sensing property of hydroquinone	<i>International Journal of Innovative Research in Science and Engineering</i>			Online 2014
57	Sudhaparimala, M.Vaishnavi,	Biological synthesis of nano composite SnO ₂ - ZnO – Screening for efficient photocatalytic degradation and antimicrobial activity	<i>Materials Today: Proceedings - Elsevier DOI 10.1016 S</i>	S2214- 7853 (16)	30186 -9,	2016

58	S.Sudhaparimala M.Rajeswari	Green Synthesis of Nano Scale Barium Stannate Ceramic – Influence of Calcination Temperature on Phase Purity and Luminescence Property	<i>journal Applied Physical and Biochemistry research</i>			2017
59	S.Sudhaparimala , R.Usha	A Quality (Nanoscale) assessment of Calcium carbonate present in shells of <i>Anadaragranosa</i> , and <i>Crassostreao virginica</i> marine species located in the coastal part of South India	<i>Advances in Natural and Applied Sciences</i>			2017
60	S.Sudhaparimala , Prashanna Suvaitha	Doping of Eu ³⁺ into nanoscale zinc stannate ceramic and screening for solar degradation of organic dye, p-chlorophenol – a green approach"	<i>Research Journal of Chemistry and Environment</i>			2017
61	S.Sudhaparimala , R.Usha	Study of nano scale biphasic Hydroxyapatite at lower processing temperature - Influence of Anadara granosa seashell as a precursor" in its current form	Research Journal of Chemistry and Environment			2017
62	G.Gohulavani & N.Muthulakshmi Andal	Functionalized novel Nanocomposites in Ni(II) from aqueous / Effluent media International	Journal of Scientific Engineering Research	5(7)		2017
63	G. Vadivelan, M. Saravanabhavan, V. Murugesan, G. Gohulavani, M. Sekar & B. Babu	Synthesis, spectroscopic investigations, antioxidants and DNA binding studies of a charge transfer of benzimidazole with 4-methylbenzenesulfonic acid	<i>Molecular Crystals and Liquid Crystals (Taylor & Francis)</i>	652	(242-254)	2017

64	G.Gohulavani & M.Sudha	Microbial Screening of Cobalt (II) and Nickel (II) Complexes of Acetone Thiosemicarbazone, Synthesis and Characterisation	<i>International Journal of Science and Research (IJSR)</i>			2018
65	G.Caroling & A.Mercy Ranjitham	Bio synthesis of Copper nano particles using aqueous Guava extract-Characterization and study of antimicrobial effects	<i>International Journal of Pharmacy and Biological Sciences</i>			2015