



Name: Dr. S. Kothai

Qualification: M.Sc., M. Phil., Ph.D.

Designation: Associate Professor & Head, Principal

Years of Experience: UG: 31 PG: 31

Area of Specialization: Polymer Chemistry, Nano Chemistry

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MEMBERSHIP

S.No.	Details	State/National/International
1.	Life member, Acoustical Society of India	National
2	Member, Indian Professors Forum, Scan Foundation	National
3	Member, Ultrasonics Society of India	National

PROJECTS

S.no.	Title	Duration	Funding agency	Amount sanctioned (in lakhs)
1	Young Women Scientists	2002	TNSCST	
2	FIP Fellowship	2	UGC	
3	SynthesisMetal ions	2008	Summer Research Project UGC	
4	Synthesis and Characterisation of Thermotropic LC Random Copolyesters with Flexible Spacers	2001-02	UGC – Minor Research Project	0.22
5	Spectroscopic investigations on gall stones of highly stressed women in Tamilnadu	2010-2012	MRP, University Grants Commission	2
1	Synthesis & characterization of certain chalcone based photo crosslinkable polyesters and its application	2016 - 2017	TNSCT (Student Research Project)	0.10
2	Design, Fabrication of Hydrogel incorporated with honey loaded microsponges and its evaluation on wound healing activity	2019 - 2020	ECRIC, Ethiraj Research Centre	1.10
3	Novel Carbon based polymer nanocomposites for fuel cells	2020 – 2022	TNSCT & DST	4.85

RESEARCH GUIDANCE

Ph.D Awarded	5
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Ph.D Guiding	2
M.Phil Awarded	4
M.Phil Guiding	Nil

WORKSHOPS

S.no.	Organized by	State/National/International	Topic	Date(s)
1	University of Madras.	State	Orientation Programme by Academic staff College	12.5.93 to 8.6.93
2	University of Madras.	State	Need based refresher course on Instructional technology in Higher Education.	15.4.1998 to 6.5.1998
3	University of Madras.	State	Refresher Course in Group theory, Quantum Chemistry and applications,	3-23, Dec 1998
4	Department of Crystallography and Biophysics, University of Madras.	State	Refresher course in Physics	2-22, June 1999
5	University of Madras.	State	UGC sponsored short term course for Researchers, Academic Staff College	20-24, Dec 2010
6	Anna University & Ethiraj College for Women.	National	UGC sponsored Sensitisation Workshop on Capacity building for women managers in Higher Education	10-14, July 2006
7	National Centre for Nanoscience and Nanotechnology, University of Madras.	National	National workshop on preparation and characterisation of Nanomaterials	14-16, March 2011
8	Ethiraj College for Women.	State	State Level Workshop on Research Methodology and Research	15-17, Feb 2012
9	Anna Adarsh College for Women.	State	FIP Workshop on Eco friendly Chemistry- A Microscale approach	17 th July 2012
10	Ethiraj College for Women.	State	IQAC Workshop on Emotional Intelligences	8-9, Oct 2012
11	Ethiraj College for Women.	State	Workshop on Radio Chemistry	24 th Nov 2012
12	Ethiraj College for Women.	State	Workshop on research Collaboration. Consultancy	5 th April 2013

			and Patent & Knowledge Management	
13	Ethiraj College for Women.	State	Workshop on Development of strategies for quality enhancement	12 th July 2013
14	Ethiraj College for Women.	State	Basic Training programme in Human rights for Teachers	27 th Jan 2015
15	Ethiraj College for Women.	State	Workshop on Health, Stress & Diabetes	11 th Sep. 2015
16	Ethiraj College for Women.	State	Workshop on Scientific computing using R-Software	11 th Jan 2016
17	Ethiraj College for Women.	State	Workshop on Analytical tools for Micro and Nanoscale characterisation of materials in Biological and physical Sciences	9 th Feb 2016
18	Ethiraj College for Women.	State	Workshop on Performance enhancement	9 th March 2017
19	Ethiraj College for Women.	State	Workshop on Tamil Software	7 th Sep 2017
20	Ethiraj College for Women.	State	Workshop for Faculty	2 nd March 2018
21.	Internal Quality Assurance Cell, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai	National	ICT Competency for Higher Education Teachers	13.7.2020 to 15.7.2020

CONFERENCES ATTENDED / PRESENTED PAPER

S.no.	Organized by	State/National/International	Participated/Presented	Title	Date(s)
1	St. Joseph's College, Trichy-National Symposium on Acoustics-2000	National	Presented	Studies on Ion Solvent Method	22-11-2000 & 23-11-2000.
2	NSMCRAC - 2001 conducted by Presidency College	National	Presented	Ultrasonic studies on the solute – solvent interaction....	9 th & 10 th Feb 2001.
3	NSMCRAC - 2001 conducted by Presidency College on	National	Presented	Synthesis , characterization of certain novel thermotropic liquid	9 th & 10 th Feb 2001.

				crystalline random copolyesters	
4	X National Symposium on Ultrasonics- Osmania University, Hyderabad	National	Presented	Ultrasonic method ... in hexane solution”	15-16 th March 2001.
5	NSA-2001, VIT, Vellore on	National	Presented	Studies on charge....solution	October 18-20, 2001.
6	NSA-2004, S.J. College of Engineering, Mysore	National	Presented	Ultrasonic studies... by enzymes	26 th Nov 2004.
7	International Conference ALPS-2006, Auxilium College, Vellore	International	Presented	Ultrasonic studies...by Iodine	5 th & 6 th Jan 2006.
8	NSA-2006, National Physical Lab, New Delhi, NSA-2006	National	Presented		16 th & 17 th Nov 2006.
9	National Conference Eco-sono and nanochemistry, New College, Chennai	National	Presented		20 th & 21 th Dec 2006.
10	National Conference on Recent Advancement in Materials Science, Vivekananda College, Chennai, RAMS-2006	National	Presented		29 th & 30 th Dec 2006.
11	NSA-2007, KSR College of Technology, Tamil Nadu	National	Presented	Ultrasonic..... solution	5-7, Dec 2007.
12	NSA-2007, KSR College of	National	Presented	Ultrasonic.....complexes	5-7, Dec 2007.

	Technology, Tamil Nadu				
13	NSU-XVIII, VIT, Vellore	National	Presented	Ultrasonic study ... concentrations	21-23, DEC. 2009
14	National Conference on Energy, Presidency College,	National	Presented		18 th & 19 th July 2013.
15	National Conference NCETSH 2014, Saveetha Engineering College	National	Presented		11 th April 2014.
16	International Conference on Advances in New Materials, University of Madras, 2014.	International	Poster presentation		2014.
17	NCMMW-2014, Easwari engineering College, 2014.	National	Presented		2014.
18	National Conference in recent Trends in Applied Sciences, Chevalier T.Thomas Elizabeth College for women	National	Presented		2015
19	National Conference in recent Trends in Applied Sciences, Chevalier T.Thomas Elizabeth College for women	National	Presented		2015.

20	International Conference, Anna Adarsh College for Women	International	Presented		2015.
21	National Conference on Drug Discovery, Sri Venkateshwara University	National	Presented		2015
22	International Conference, Anna Adarsh College for Women, 2015.	International	Presented		2015
23	International Conference ICEWEST-2015, Presidency College on	International	Presented		5-6, Feb 2015.
24	National Conference RSOS-2015, Vels University	National	Presented		18 th March 2015.
25	National Conference on Advancements of Applied Zoology for Sustainable Development – Current Trends an Future Perspectives, Pachaiyappa's College	National	Presented	Antibacterial activity of Chitosan –Silver (I) oxide nanocomposite fabricated with herbs	5 th & 6 th Oct 2017.
26	National Conference on Advancements of Applied Zoology for Sustainable Development – Current Trends and Future Perspectives, Pachaiyappa's College	National	Presented	Synthesis and characterization of chalcone based copolyesters and their anticancer activity	5 th & 6 th Oct 2017.

27	National Conference on Advancements of Applied Zoology for Sustainable Development – Current Trends an Future Perspectives, Pachaiyappa's College	National	Presented	Nanocomposites incorporated with Herbs”	5 th & 6 th Oct 2017.
28	Jyoti Submmit-2017 – India after Seventy Years, organized by Post-Graduate Centre, Jyoti Nivas College	National	Presented	Synthesis, Study of Photoresponsive Polymers with Bis-chalcone Moiety in the Main chain”	22-23 September 2017.
29	International conference on advancements and challenges in Chemical Sciences at Pachaiyappa's College	International	Presented	Synthesis, Characterization and antibacterial study of a novel collagen bionanocomposite	2 nd and 3 rd Feb 2018.
30	International Conference on Advancements and Challenges in Chemical Sciences, Pachaiyappa's College	International	Presented	Nonlinear Optical activity of Synthetic Chalcone derivatives	2 nd & 3 rd Feb 2018.
31	National Conference on Recent Advances in Materials Science and Technology, Department of Chemistry at Ethiraj College for Women (Autonomous)	National	Presented	In Vitro anticancer activity of synthetic chalcone derivative	12 th & 13 th Feb 2018.
32	Madras University Post Centenary	International	Presented	Antimicrobial and Anti Cancer Activities of	February 27th-28th 2018.

	Diamond Jubilee International Seminar on Advanced Nanomaterials- ISAN-2018			Biogenic Silver Nanoparticles”,	
33	International Conference on Green Chemistry for a Greener Planet, Department of Chemistry, Anna Adarsh College for women	International	Presented	* Green synthesis, Characterisation of copper nanoparticles derived from Hibiscus rosa-sinensis leaf extract and their antimicrobial activities	12 th Sep 2018.
34	National Symposium on Emerging Trends in Nanoscience Research, Ethiraj College (Organising Committee Member).	National	Organising Committee Member	Synthesis of Biogenic Silver and Iron Nano Particles by Ultrasonication Method”	
35	National Conference on Recent Advancement in Materials Science, Vivekananda College, Chennai, RAMS-2006	National	Invited lecture		29 th & 30 th Dec 2006.
36	National Conference Eco-sono and nanochemistry, New College, Chennai	National	Invited lecture		20 th & 21 th Dec 2006.
37	International Conference on the topic Water Conservation, Save Blue to Save Green, Anna Adarsh College for Women,	International	Chairperson		26/08/2015

38	International conference on advancements and challenges in Chemical Sciences at Pachaiyappa's College, Chennai	International	Evaluator of Poster Presentations		2 nd and 3 rd Feb 2018.
39	Workshop on Tips and Tricks to clear the NET in Ethiraj College for Women, Chennai	National	Organising member		17-02-2016.
40	UGC-Funded – CPE Grant Enrichment of Teachers in Ethiraj College for Women, Chennai	National	Organising member		23-09-2016.
41	Lecture on Problem solving in IR and UV-VIS Spectroscopy in the State Level Workshop on Structure Determination of Compounds in Ethiraj College	State	Lecture		22 nd August, 2013.
42	VIT Vellore	International	Presented	Conductance Behaviour of Novel polymer Nanocomposites	11-13, October 2019
43.	Stella Maris College in collaboration with DST Thematic Unit of Excellence, IIT Madras.	International	Presented	Conducting behavior of Iron and Iron oxide Nanoparticle – a comparison	11 & 12 , Dec 2019
44	Stella Maris College in collaboration with DST Thematic Unit of Excellence, IIT Madras.	International	Presented	<i>In-vitro</i> Cytotoxicity and wound healing potential of green synthesised Copper Nanoparticles Loaded Microsponges	11 & 12 , Dec 2019

45	Madras Christian College.	National	Presented	Electrical conductivity of Bischalcone based random copolyesters: Synthesis and Characterisation	12 & 13, Dec 2019
46	Madras Christian College.	National	Presented	<i>In-vitro</i> Cytotoxicity and Wound Healing Potential of Honey Loaded Microsponges	12 & 13, Dec 2019
47	Department of Physical Chemistry, University of Madras.	International	Presented	Design and Fabrication of hydrogel incorporated with copper nanoparticles loaded microspunge for antimicrobial and antioxidant activity	9-10 Jan 2020
48	Ethiraj College for Women	International	Presented	An historical overview on the use of pharmaceuticals from folk medicine towards the ultimate magic root of health benefit	17 -18 Feb 2020
49	DK International Research Foundation,	International	Presented	An Overview of Microspunge as drug delivery system	28 th June 2020
50	DK International Research Foundation,	International	Presented	Development of Honey Microspunge Loaded Hydrogel for a Promising Antimicrobial Activity	28 th June 2020
51	DK International Research Foundation,	International	Presented	<i>Review paper</i>	June 2021
52	Ethiraj College for Women, Chennai	National	Participated	National Conference on e-governance	3-4, February 2006
53	National Institute of Technical Teachers Training and	National symposium	Participated	National symposium on E-Learning in Education	19 th Dec 2008.

	Research, Chennai, Ministry of Human Resource Development, Government of India				
54	IQAC, Ethiraj College	National symposium	Participated	UGC sponsored National Symposium on 'Effective Governance and Brand Building in Higher Educational Institutions	24 th & 25 th February, 2014
11	NSA-2007, KSR College of Technology, Tamil Nadu	National	Presented	Ultrasonic..... solution	5-7, Dec 2007.
12	NSA-2007, KSR College of Technology, Tamil Nadu	National	Presented	Ultrasonic.....comp lexes	5-7, Dec 2007.
13	NSU-XVIII, VIT, Vellore	National	Presented	Ultrasonic study ... concentrations	21-23, DEC. 2009
14	National Conference on Energy, Presidency College,	National	Presented		18 th & 19 th July 2013.
15	National Conference NCETSH 2014, Saveetha Engineering College	National	Presented		11 th April 2014.
16	International Conference on Advances in New Materials, University of Madras, 2014.	International	Poster presentation		2014.

SEMINARS

S.no.	Organized by	State/national/international	Topic	Date(s)
1	National Seminar, Ethiraj	National	Presented	2014.

	College for Women, 2014.			
2	UGC sponsored National Seminar on Contemporary molecular Biology, MR Govt. Arts College,	National	Presented	2015.
3	UGC sponsored National Seminar on Contemporary molecular Biology, MR Govt. Arts College,	National	Presented	2015.
4	National Seminar APGRI-2016, Meenakshi College for Women	National	Presented	22 nd & 23 rd Sep 2016.
5	Anna Adarsh College for women	National	Presented	22.08.2019

CERTIFICATE COURSES /VALUE ADDED COURSES

S.no.	Offered by	Topic	Duration
1	Ma fio Randstad at Ethiraj College for Women, Chennai (one month course for content writing, e-learning and e-module developed for Science subjects)	E-Learning training program	March 2007 one month course
2	NITTR, Bhopal- NPTEL online certification funded by the MHRD, Govt. of India.	ICT in teaching & learning (FDP MOOC Course)	July- Aug 2020

JOURNAL PUBLICATIONS

S. NO	JOURNAL NAME	UGC/ SCI/ SCIE/ WOS	ISBN/ISSN	REFERENCE	DATE OF PUBLICATION/ DOI

1.	Journal of Acoustical Society of India		ISSN: 0973-3302	Studies on Ion-Solvent Interaction in Aqueous and Non-Aqueous Solutions of Transition Metal Ions by Ultrasonic Method	2000 http://nopr.niscair.res.in/bitstream/123456789/2298/1/IJPA-P%2045%282%29%20143-150.pdf
2	Journal of Acoustical Society of India		ISSN: 0973-3302	Studies on charge transfer complexes of aryl ethers with iodine in n-hexane solution	2001
3	Indian Journal of Pure and Applied Physics		ISSN: 0975-1041	Ultrasonic studies on charge transfer complexes of iodine with certain aromatic compounds in n-hexane solution	2002
4	Journal of Pure and Applied Ultrasonics		ISSN: 0245-4637	Studies on charge transfer complexes of iodine and certain aromatic hydrocarbons in n-hexane solution at 303K by ultrasonic method	2002
5	Journal of Acoustical Society of India		ISSN: 0973-3302	Studies on charge transfer complexes of iodine with certain aromatic amines in n-hexane solution	2002 http://nopr.niscair.res.in/bitstream/123456789/25357/1/IJPA-P%2040%281%29%2017-23.pdf
6	Journal of Acoustical Society of India		ISSN: 0973-3302	Ultrasonic studies on ethylene glycol and its oligomers in ethanolic solutions at 303K	2002
7	Journal of Polymer Mater		ISSN: 0973-8622	Correlation of Acoustical Properties with Molecular weight of Glycol and its Oligomers in Ethanolic solution	2002
8	Journal of Acoustical Society of India		ISSN: 0973-3302	Enhancement of detergent action by Enzymes	2004
9	Journal of Acoustical		ISSN: 0973-3302	Ultrasonic and correlation	2005

	Society of India			investigation of glycol-ethanol systems	
10	Journal of Acoustical Society of India		ISSN: 0973-3302	Ultrasonic studies on the determination of molecular weight of polyethylene glycol	2005
11	Journal of Acoustical Society of India		ISSN: 0973-3302	Identification of constituents of human Gall stones by Ultrasonic technique	2006
12	Journal of Acoustical Society of India		ISSN: 0973-3302	Comparative study of homocyclic and heterocyclic compounds by Ultrasonic technique	2006
13	Asian Journal of Chemistry		ISSN: 0970-427X	Ultrasonic studies on certain Surfactants	2007 https://asianjournalofchemistry.co.in/user/journal/viewarticle.aspx?ArticleID=19_1_36
14	Asian Journal of Chemistry		ISSN: 0970-427X	Investigations of Glycol-ethanol systems by ultrasonic method	2007 https://asianjournalofchemistry.co.in/User/ViewFreeArticle.aspx?ArticleID=19_7_26
15	Journal of Acoustical Society of India		ISSN: 0973-3302	Ultrasonic studies on charge transfer complexes	2007
16	Journal of Acoustical Society of India		ISSN: 0973-3302	Ultrasonic investigation of CT complexes	2008
17	Journal of Pure and Applied Ultrasonics		ISSN: 0245-4637	Study of Donor-Acceptor complexes by ultrasonic technique	2008
18	Internat. Journal of ChemTech Research		ISSN: 2455-9563	Identification of Gallstones using spectroscopic technique	2009 https://www.researchgate.net/publication/237741372_Identification_of_Gallstones_using_Spectroscopic_technique
19	Oriental Journal of Chemistry		ISSN: 0970-020X	Ultrasonic studies on enhancement of detergent action by the enzyme-lipase	2009 http://www.orientjchem.org/?p=23397
20	Asian Journal of			Comparative Evaluation of	2013

	Biochemical and Pharmaceutical Research			Flaxseed mucilage, Gum Acacia and Peach gum as Pharmaceutical excipients.	https://www.researchgate.net/publication/341369645_Comparative_Evaluation_of_Flaxseed_Mucilage_Gum_Acacia_and_Peach_Gum_as_Pharmaceutical_Excipients
21	International Journal of Pharma and BioSciences			Synthesis, Characterization and Antibacterial Study of Certain Copolyesters containing Bis-Chalcone Moiety in Main Chain	2014 https://www.researchgate.net/publication/287625973_Synthesis_characterization_and_antibacterial_study_of_certain_copolyesters_containing_bis_chalcone_moiety_in_the_main_chain
22	Asian Journal of Bio medical and Pharmaceutical Sciences.			Anticancer activity of silver nanoparticles biosynthesized using stingless bee propolis (Tetragonulairidipennis) of Tamilnadu.	2014 10.15272/ajbps.v4i40.654
23	International Journal of pharmacy and Pharmaceutical Sciences.			Evaluation of Antioxidant and Antimicrobial Activity of Stingless bee propolis (Tetragonulairidipennis) of Tamilnadu.	2014 https://innovareacademics.in/journals/index.php/ijpps/article/view/1256 .
24	International Journal of ChemTech Research.		ISSN: 2455-9563	Ultrasound intensified green synthesis of silver nanoparticles using Camellia sinensis extract fortified with Lemon and Honey.	2014 https://sphinxsai.com/2014/ChemTech/JM14CT1_50/CT=28(248-253)JM14.pdf
25	International Journal of Advanced Research			Synthesis And Characterization of Certain Photocrosslinkable Random Copolyesters with Bis-Chalcone Moiety .	2015 http://chemistry-journal.org/detail-chemistry-journal/254/Synthesis-and-Characterization-of-CertainPhotocrosslinkable-Thermotropic-Liquid-CrystallineRandom-Copolyesters-ContainingBis-Chalcone-Moiety/T-S-Perundevi-D-Reuben-Jonathan-and-S-Kothai-.html

26	International Journal of Pharmaceutical Sciences Review and Research			Synthesis and <i>In-Vitro</i> Evaluation of Novel Bischalcone Polymers as Potential Anticancer Agents	2015 https://www.researchgate.net/publication/282237969_Synthesis_and_in-vitro_evaluation_of_novel_bischalcone_polymers_as_potential_anticancer_agents
27	International Journal of Nanomaterials and Biostructures			Synthesis, Characterization of Certain Copolyesters with Bis-Chalcone Moiety in the Main Chain and the Study of their Nanofibers Blends	2015 https://www.semanticscholar.org/paper/SYNTHESIS%2C-CHARACTERIZATION-OF-CERTAIN-COPOLYESTERS-Perundevi-Jonathan/021c4a77433c6f254ce620ee2f9d1accca70ecb7
28	International Journal of Nanomaterials and Biostructures			Biomedical studies of silver nanoparticles synthesized using stingless bee propolis.	2015
29	International research Journal of environmental sciences.			A Study on the quality of stingless bee propolis reared from the most commercial hub of Chennai, Tamilnadu, India.	2015 http://www.isca.in/IJENS/Archive/v4/i7/7.ISCA-IRJEvS-2015-103.pdf
30	International Journal of ChemTech Research.		ISSN: 2455-9563	Environmental impact on stingless bee propolis (Tetragonulairidipennis) reared from two different regions of Tamilnadu. – A Comparative study.	2015 https://www.researchgate.net/publication/281735243_Environmental_impact_on_stingless_bee_propolis_Tetragonulairidipennis_reared_from_two_different_regions_of_tamilnadu_-_a_comparative_study
31	International Journal of ChemTech Research		ISSN: 2455-9563	Synthesis and Characterization of Chitosan with incorporated herb-a novel bio nano composite	2015 https://www.researchgate.net/publication/284748295_Synthesis_and_characterization_of_chitosan_with_incorporated_herb_-_A_novel_bionano_composite
32	Asian Journal of biomedical			Synthesis and characterization and antibacterial	2015 10.15272/ajbps.v5i50.752

	and pharmaceutical science.			activity of Gelatin-herb nano composite.	
33	Journal of Chemistry and Chemical Sciences	UGC	ISSN 2229-760X (Print)	Synthesis and characterization of Certain Photocrosslinkable Thermotropic Liquid Crystalline Random Copolyesters Containing Bis-Chalcone Moiety	2016 http://chemistry-journal.org/detail-chemistry-journal/254
34	International Journal of Advanced Research	UGC	ISSN 2320-5407 (Online)	Ultrasonic wave assisted synthesis of iron and antibacterial silver nanoparticles	2016 10.21474/IJAR01/1034
35	Asian Journal of biochemical and pharmaceutical research	UGC	ISSN No: 2231- 2560	Fabrication of herb encapsulated chitosan zinc oxide nanocomposites for improved antimicrobial activity.	2016
36	Asian Journal of biochemical and pharmaceutical research	UGC	ISSN No: 2231- 2560	Potential wound management of herb fabricated chitosan – zinc oxide nanocomposite.	2016
37	International Journal of innovative research in science engineering.	UGC	ISSN No: 2347-3297	Synthesis and characterization of collagen copper oxide nanocomposite incorporated with herb and their antibacterial applications.	2016 https://ijirse.in/docs/Sep16/IJRSE160901.pdf
38	Journal of Chemical and Pharmaceutical Research	UGC	ISSN : 0975-7384	Biocidal efficacy of synthetic copolyesters having chalcone moiety.	2016 https://www.researchgate.net/publication/306140565_Biocidal_efficacy_of_synthetic_copolyesters_having_chalcone_moiety
39	Chemical Science Transactions	UGC	ISSN: 2278-3318 (Online)	Synthesis and Studies on Non-linear Optical Property of New	2017 10.7598/cst2017.1357

				Chalcone Based Polymers	
40	Journal of Chemistry and Chemical Sciences.	UGC	ISSN 2229-760X (Print)	Synthesis and Characterization of Certain Chalcone Based Photocrosslinkable Copolyesters.	2017
41	International Journal of Advanced Research and Review	UGC	2455-7277	A Comparative study of Chitosan-Silver(I) oxide Nanocomposite and its Fabrication with Herb	2017 http://dx.doi.org/10.29055/jccs/531
42	Journal of Chemistry and Chemical Sciences	UGC	ISSN 2229-760X (Print)	Chemical characterization of ethanolic extract of Propolis of stingless Bees Collected from four different Districts of Tamilnadu in India	2017 http://dx.doi.org/10.29055/jccs/525
43	International Journal of Recent Scientific Research	UGC	0976-3031	Anticancer Activity of Chitosan-Zinc oxide Nanocomposite Fabricated with Herb	2017 http://dx.doi.org/10.24327/ijrsr.2017.0811.1081
44	Journal of Chemistry and Chemical Sciences	UGC	ISSN 2229-760X (Print)	Potential Wound Management by Herb incorporated Collagen-copper Oxide Nanocomposite	2017 http://chemistry-journal.org/download/T-Sobana-Premlatha-and-S-Kothai-/CHEMISTRY-JOURNAL-CHJV07I09P0732.pdf
45	Journal of Chemistry and Chemical Sciences	UGC	ISSN 2229-760X (Print)	Extraction and a study on the Characterization of Collagen from Fish Scales	2018 http://dx.doi.org/10.29055/jccs/547
46	International Journal of Engineering Science and Computing	UGC	-	In Vitro and Insilico analysis of inhibition efficiency of synthetic random copolyester with chalcones moiety	2018 https://ijesc.org/upload/cc757c0d24d62d7751829c26dede4df9

				against Human Pathogens	
47	Journal of Chemistry and Chemical Sciences,	UGC	ISSN 2229-760X (Print)	Design, Synthesis, Characterisation of Chalcone Derivatives PTSH and PITI and their potential anticancer properties against MDA-MB-231 Cell Lines	2018 http://dx.doi.org/10.29055/jccs/634
48	Int. Journal of Pharmaceutical Sciences and Research	UGC	ISSN 0975-8232	Synthesis and characterization of chalcone based copolyesters and their Anticancer activity	2018 10.13040/IJPSR.0975-8232
49	Journal of Chemistry and Chemical Sciences	UGC	ISSN 2229-760X (Print)	Green Synthesis, Characterization of Copper Nanoparticles Derived from <i>Ocimum Sanctum</i> Leaf Extract and their Antimicrobial Activities	2018 http://dx.doi.org/10.29055/jccs/670
50	International Journal of Engineering Sciences & Research Technology	UGC	ISSN: 2277-9655	Studies On Antimicrobial And Antioxidant Activity Of Honey	2018 https://doi.org/10.5281/zenodo.1403377
51	International Journal of Green and Herbal Chemistry	UGC	E-ISSN: 2278-3229	Evaluation of Antimicrobial and Antioxidant Activity of Green Synthesized Copper Nanoparticles from the Leaf Extract of <i>Hibiscus Rosa-Sinensis</i>	2018 10.24214/IJGHC/GC/7/4/83442
52	International Journal of Pharmacy and	UGC	ISSN: 2321-3272 (print)	Antioxidant activity of Copper nanoparticles synthesised from	2018 https://www.researchgate.net/publication/336640180_ANTIOXIDANT_ACTIVITY_OF_COPPER_NANOPARTICL

	Biological Sciences			the Leaf Extract of <i>Ocimum Sanctum</i>	ES_SYNTHESISED_FROM_THE_LEAF_EXTRACT_OF_OCIMUM_SANCTUM
53	International Journal of Green and Herbal Chemistry	UGC	E-ISSN: 2278-3229	Synthesis, Characterisation and Investigation of Antibacterial Activity of Herb Incorporated Collagen-Silver (I) oxide Nanocomposites	2019 10.24214/IJGHC/GC/8/1/01017
54	Journal of Drug Delivery and Therapeutics	UGC	ISSN: 2250-1177	Fabrication and Characterisation of Honey Loaded Microsponges	2019 https://doi.org/10.22270/jddt.v9i4.3125
55	International Journal of Pharmaceutical Sciences and Drug Research	UGC	ISSN:0975-248X	Formulation and Evaluation of Copper Nanoparticles Loaded Microsponges	2019 https://doi.org/10.25004/IJPSDR.2019.110407
56	Research Journal of Pharmacy and Technology	UGC – SCOPUS INDEXED	ISSN 0974-360X (Online) 0974-3618 (Print)	Effectiveness of copper nanoparticles loaded microsponges on drug release study, cytotoxicity and wound healing activity	2020 10.5958/0974-360X.2020.00770.2
57	International Journal of Chemical & Pharmaceutical analysis	UGC	ISSN (Print) :2395-2466	In-Vitro antioxidant evaluation of Copolyesters bearing Chalcone moiety in the main chain.	2020 10.21276/ijcpa
58	Journal of Science and Technology	UGC	2456 5660	A Review of Investigational Treatments for Covid-19- Zinc Supplementary	2021 https://doi.org/10.46243/jst.2021.v6.i3

59	International Journal of Emerging technologies and innovative research	UGC	2349-5162	A study on the synthesis, characterization of chalcone moiety	2021 http://doi.one/10.1729/Journal.27084
60	International Journal of Pharmaceutical Research and Applications	UGC	2456-4494	Review on the importance of herbal hand sanitizers with the emergence of Covid-19	2021 10.35629/7781-0603702705
61	Indian Journal of Chemical Technology	UGC – SCOPUS INDEXED	1996 3416	Design and Fabrication of Hydrogel incorporated with copper nanoparticles loaded microsponge for antimicrobial and antioxidant activity	2021 http://nopr.niscair.res.in/handle/123456789/58675

FDP/STTP

S.no.	Organized by	State/National/International	Topic	Date(s)
1	IQAC, Ethiraj College for Women, Chennai	State	Faculty Development Programme on Quality Publications & E-Learning	19 th September, 2018.
2.	Centre for Ocean Research, Sathyabama Technology Business Incubator, Department of Mechanical Engineering and the Institution of Engineers (India)	National	Progress from project to patent	6.10.2020 to 12.10.2020.

WEBINARS [National/International]

S.no.	Organized by	State/National/International	Topic	Date(s)
1.	Ethiraj College For Women	State	Patenting Inventions in India'	16.5.2020
2	Ethiraj College For Women	State	Impact Factor, H index and Google Scholar''	16.5.2020
3	Ethiraj College For Women	State	Moodle LMS - Install, Create class, Add content and Enroll students	28.5.2020
4	Ethiraj College For Women	State	Advances in Materials Science	29.5.2020
5	Ethiraj College For Women	State	Turning Crisis to Opportunities	16.6.2020 to 20.6.2020
6	International Journal of Microbial Science and Jayawantrao Sawant College of commerce and Science, Hadapsar, Pune	International	Review article writing using MS-Word add in and Publication	31.5.2020
8	S.M.Shetty College of Science, Commerce & Management Studies, Powai, Mumbai	National	Doctoral Thesis: Key Components and Research Skills'' and ''Research Funding Opportunities : In India and Abroad	14.5.2020
9	Loyola Institute of Frontier energy (LIFE), Loyola College (Autonomous)	National	Taking Research Forward During the Pandemic	20.5.2020
10.	INYAS	National	COVID-19 Pandemic: Impact and Strategies for Education Sector	25.5.2020
11.	Shrimathi Devkunvar Nanalal Bhatt Vaishnav College For Women	National	A quick review on COVID-19 and its diagnostic tools	30.5.2020
12.	Loyola College	National	Research Methodology	12.6.2020 & 13.6.2020
13.	G. Venkataswamy	National	Electrochemical Biosensors : Emerging trends and Applications	18.6.2020

	Naidu College, Kovilpatti			
14.	St.Peter's Institute of Higher Education and Research, Avadi	National	Advanced Nanomaterials and their Applications	8.7.2020
15.	St. Vincent De Paul College, Eluru	National	Free Online Tools useful for Effective Chemistry Lecturing	9.7.2020
16.	Department of Humanities and Sciences in association with Institution's Innovation Council REC	National	Conducting Polymer and Photovoltaic Device''	10.7.2020
17.	Government RBR NES College, Jashpur, C.G and Library, Government MDP College, Katghora	National	Plagiarism in Research and its Prevention	30.7.2020
18.	Gangadhar Meher University, Amruta Vihar, Sambalpur, Odisha	National	Advanced Materials for Energy Storage and Fuel Cell Applications	6.9.2020 – 7.9.2020

AWARDS:

1. Young Scientist Fellow (Tamil Nadu State Council for Science and Technology)
2. UGC – FIP Teacher Fellow, Year: 2000 – 2002.
3. President Guide – Best Guide Award from Former President of India Mr. Nilam Sanjeeva Reddy.
4. Received Best Research Awardee from the Ethiraj College for women for the year 2018.
5. Recipient of Samuga Saadhanaiyalar from Jambu Maharishi Society- 2018.
6. Received Best paper award in the International Conference conducted by Anna Adarsh College for women, 12th Sep 2018.
7. Awarded “Star of Education Award” by Global Achievers Council in association with global peace university on 21st July 2019.
8. Received Best paper award in the National Seminar conducted by Anna Adarsh College for women, 22th Aug 2019.
9. Received Aasiriyar Chemmal Virudhu by Tamilnadu kalvi aaraichi valarchi niruvanam on Sep 5th 2019.

10. Received Dr. Radhakrishnan teaching excellence award 2019- International Association of Lion clubs- 15th Sep 2019.
11. Received Kiran Bedi award from Levista, Change makers of Chennai & Radio city as a part of Women's day celebration at Ethiraj College for Women on 6th March 2020.
12. Awarded Distinguished Woman by Venus International Women award for the year 2020 on 7th March 2020.
13. Received Treasure Trove of Knowledge Award 2021- Mylai Thiruvalluvar Tamil Sangam on 8th March 2021.
14. Awarded Top 30 Dynamic Principal Award for Excellence and Leadership in Education- Dyncergic Business Solution on 11th May 2021.
15. Received a research grant of Rs. 4,85,000/- (Four Lakhs and Eighty five thousand) from TNSCST (Tamilnadu State Council for Science and Technology) and DST (Department of Science & Technology) for research project for a period of two years.
16. Recognized as a Government Body member, Anna Adarsh College from 2020-2021 onwards.
17. Recognized as an Advising committee member, NSS, University of Madras.
18. Recognized as one of the Indian Women Scientist in Tamilnadu by TNSCST.
19. As Guest of Honour for the Virtual Graduation Ceremony of Alert voice, 26th June 2021.
20. Received Excellence award, DKIRF, June 2021.
21. Received Best Scientist award, Mylai Thiruvalluvar Tamil Sangam on 29th August 2021.
22. Received Distinguished Service award, Special minds, Global Excellence award, 24 – 26 September 2021.

OTHERS:

1. Member, Organizing Committee's for various National Symposium (NSMCRAC – 2001 conducted by Presidency College, RAMS – 2006 conducted by Vivekananda College, Co-convenor for work-shop conducted by UGC-cell).
2. Member, Ethiraj College for Women, Board of Studies (Chemistry)
3. Member, Dr. Ambedkar Govt. College, Board of Studies (Chemistry)
4. Member, Presidency College Board of Studies (Chemistry) - University Nominee - 2016.
5. Member, Govt. Arts College (Nandanam) Board of Studies (Chemistry)
6. Member, D.G. Vaishnav College, Chennai Board of Studies – University nominee.
7. Member, Ph.D. Doctoral Committee, Sathyabama University, University of Madras.

Type of Activity	Year	Brief description of the activity
UGC Member	2012-2017	To act as a member of the Ethiraj College UGC Cell
UGC Coordinator	2014-2017	To act as Coordinator of the Ethiraj College UGC Cell
UGC Convener	2014-2017	UGC CPE grant phase III
UGC Coordinator	2018	To act as Coordinator of the Ethiraj College UGC Cell
Co Convener	2016	UGC Workshop

Staff Secretary	2017-2018	To act as Ethiraj College Staff Secretary for a period of 2 months
IQAC Member	2004-2008	To act as a member of the Ethiraj College IQAC
Placement Cell incharge	2008-2010, 2017	Ethiraj College for Women – Placement Cell
Organizer	2008-2010	To teach Personality Development Course
Tea Committee	2012	Ethiraj College for Women -Tea Committee member
Public Relation team	2013	Ethiraj College for Women – Public relations team member
Research Coordinator	2017	To act as Research Coordinator of the Ethiraj College Research forum
Committee member	2017 to till date	FIST- Ethiraj College for Women Purchase of Equipments, books, etc.
Committee member	2018	UGC – Ethiraj College for Women Building committee member
Magazine Editorial Board	2003, 2010, 2018	1)Aurum 2003,2010, 2018- annual magazine of the department of Chemistry, Ethiraj College for Women. 2)College Magazine Editor, 2003.
Member	2000-2018	Board of Studies (Chemistry), Ethiraj College for Women.
Member, Board of Studies	Upto 2018	1)Board of Studies (Chemistry), Presidency College - University Nominee. 2)Board of Studies, SDNB Vaishnav College for Women, Chennai. 3)Board of Studies (Chemistry), D.G. Vaishnav College- University Nominee
Member	2015 - 2018	1)Ph.D. Doctral Committee, Sathyabama University 2)Ph.D. Doctoral Committee, Loyola College, University of Madras. 3)Ph.D. Doctral Committee, Presidency College
Member	2013 to 2018	1)Selection Committee, Central Council for Research in Siddha (2013) 2)Selection Committee, Loyola College (2014) 3)Examiner, TNPSC (2018)
Member	2011	Officiated as Judge National Science Seminar, School Education (2011)
Resource person	2017	Inspectional Committee, R.V. Government College, Chengalpattu, University of Madras- University appointed.

External examiner	2018	For conducting M.Sc. University Project viva-voce examination.(AM Jain)
Member	2013	Academic Audit in the Dept. of Chemistry, DG Vaishnav College.
Resource person	2004	In service programme – Dept. of Collegiate Education
Examiners	Upto 2018	Various College examinations evaluation work