

PROFILE

Name **Dr. Thangavel Muthusamy, Ph.D.**
Designation **Professor**
Unit **Research and Development Wing**
Affiliating Institution **Sree Balaji Medical College and Hospital (SBMCH) - BIHER, Chennai-600 044 Tamil Nadu, India.**



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Contact number **044-4291000**

Details	Google Scholar	Scopus	Web of Science
Total citations	358		
h-index	11		
i10-index	11		

Total Impact Factor: 90.265

Educational Qualification				
S. No	Institute, Place	Degree	Year	Specialization
1.	University of Madras, Institute of Basic Medical Sciences, Chennai, India	Ph.D.	2003	Medical Biochemistry
2.	Bharathidasan University, Trichy, TN, India	M.Sc.	1997	Biochemistry
3.	University of Madras, Chennai, India	B.Sc.	1995	Chemistry

Academic Experience			
S. No	Institute, Place	Designation	Period
1.	Sree Balaji Medical College and Hospital (BIHER), Chennai, India	Professor	2021 - Till date
2.	Meenakshi Academy of Higher Education and	Vice Principal	2019-2021

	Research, Chennai, India		
3	Chettinad Academy of Higher Education and Research	Associate Professor	2014-2019
4.	University of Kentucky, Lexington, USA	Senior Research Scientist	2013-2014
5.	University of Louisville and VA Medical Center, Louisville, Kentucky, USA	Senior Research Scientist	2011-2013
5.	SRM University, Chennai, India	Associate Professor	2010-2011
6.	The Ohio State University Medical Center, Columbus Ohio, USA	Post Doctoral Fellow	2009-2010
7	University of Tennessee Health Science Center, Memphis, Tennessee, USA	Post Doctoral Fellow	2005-2009
8	University of Tennessee Health Science Center, Memphis, Tennessee, USA	Post Doctoral Fellow	2003-2005
9	Medical University of South Carolina, USA	Research Associate	2003-2003

Awards and Honors

1.	Young Scientist Award at the International Conference on Natural Antioxidant and Free radicals in human health and radiation biology (NFHR)	Mumbai, India
2.	Travel award: International Conference on Natural Antioxidant and Free radicals in human health and radiation biology (NFHR)	Mumbai, India
3.	Young Scientist Award at the 34th International Congress of Physiological Sciences	Christ Church, New Zealand
4.	Young Investigator Award at the 34th International congress of physiological Sciences	Christ Church, New Zealand
5.	University Research Fellowship Award, University of Madras	Chennai, India

Publication - Articles

S.No	Articles information	Impact factor	Citation
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1	Thangavel. M, Seelan, R., Lakshmanan, J., Vadnal RE, Stagner, JI, Parthasarathy LK, Casanova MF, El-Mallakh RS, Parthasarathy RN. Proteomic analysis of rat prefrontal cortex after chronic valproate treatment. <i>J Neurosci Res.</i> 2014; 92: 927-36.	3.23	3
2	Lizha M, Balaji S, Kanagaraj P, Thangavel M, Ilangovan R, Anandhan B, Surajit P, Shoba N, Satish R. Chitosan-Based Nano-Formulation Enhanced the Anticancer Efficacy of Hesperetin. <i>International Journal of Biological Macromolecules.</i> 2018 107:1988–1998.	3.6	31
3	Thangavel. M, Xiao L, Kaminsky BJ and Ostrom R. The C1 and C2 domains target human type 6 adenylyl cyclase to lipid rafts and caveolae. <i>Cell Signal,</i> (2009) 21(2):301-308.	4.743	32
4	Lakshmanan, J., Seelan, R., Thangavel, M., Janckila, A., Casanova, MF, Parthasarathy, L.K., and Parthasarathy, R.N., Proteomic analysis of rat prefrontal cortex after lithium treatment. <i>Journal of Proteomics and Bioinformatics,</i> (2012): 5:140-146	2.22	8
5	Parthasarathy, R.N., Lakshmanan, J., Thangavel, M., Seelan, R., Stagner, J.I., Janckila, A.J., Vandal, R.E., Casanova, M.F., and Parthasarathy, L.K., Rat brain myo-inositol 3-phosphate synthase is a phospho-protein, <i>Molecular and Cellular Biochemistry,</i> (2013): 2013, 378:83-9.	2.05	13
6	Le-Nguyen Huynh, Thangavel M, Timothy Chen, Ryan Cottrell and Mette Praetorius- Ibba. Linking tRNA localization with activation of nutritional stress responses. <i>Cell cycle,</i> (2010) 3112-3118.	5.2	42
7	Liu X, Li F, Sun SQ, Thangavel M, Kaminsky J, Balazs L, Ostrom RS. Fibroblast specific expression of AC6 enhances β -adrenergic and prostacyclin signaling and blunts bleomycin-induced pulmonary fibrosis. <i>Am J Physiol Lung Cell Mol Physiol,</i> (2010) 298:L819-L829.	4.17	16
8	Dorsey FC. Thangavel Muthusamy., Whitt MA and Cox JV. A novel role for a YXX ϕ motif in directing the caveolin-dependent sorting of membrane-spanning proteins. <i>Journal of Cell Science,</i> (2007)120:2544-2554.	6.731	13
9	Confeng XU., Li L., Thangavel M., Bin Z., Rennolds O and Xin A. CD82 endocytosis links tetraspanin-enriched microdomain to lipid rafts and regulates cell migration. <i>FASEB Journal,</i> (2009) FJ 08-123414.	7.201	67
10	Xiaoqi L., Thangavel M., Qiang S., Kaminsky BJ., Mahautmr P., Stitham., Hwa J and Ostrom R. Adenylyl cyclase type 6 over expression selectively enhances β -adrenergic and prostacyclin receptor inhibition of cardiac fibroblast function due to co-localization in lipid rafts. <i>Naunyn-Schmiedeberg's Arch Pharmacology,</i> (2008) 377:359-369.	2.63	34
11	Thirunavukkarasu C., Prince vijaya sing J., Thangavel M., Selvendiran K and Sakthisekaran D. Dietary influence of selenium on the incidence of N-nitrosodiethylamine-induced hepatoma with reference to drug and glutathione metabolizing enzymes. <i>Cell Biochemistry and Function,</i> (2002) 21:1-10	1.89	18
12	Thangavel Muthusamy, FC Dorsey, JV Cox. Caveolin 1 regulates the caveosome to Golgi sorting of protein and lipid cargo. <i>Molecular biology of the cell</i> 15, 441A-441A	3.5	-
13	FC Dorsey, Thangavel Muthusamy, JV Cox. A novel role for a YXX ϕ sorting signal in directing the caveolar-dependent endocytosis of an AE1 anion exchanger/Fc receptor chimera. <i>Molecular biology of the cell.</i> 2004; 15, 441a-441a.	3.5	-

14	Thangavel M, X Liu, RS Ostrom. Proteomic analysis detects cytoskeletal-related proteins that interact with the intracellular C1 domain of adenylyl cyclase 6. The FASEB Journal 2008, 22 (1 Supplement), 728.1-728.1	7.1	-
15	M Thangavel, P Adris, R Ostrom. Localization and coupling of adenylyl cyclase isoforms 2, 3 and 6 with G protein-coupled receptors in mouse bronchial smooth muscle cells. The FASEB Journal. 2009;23 (1 Supplement), 582.3-582.3	7.1	-
16	Thangavel Muthusamy and Mette Ibba. Karyopherin-mediated regulation of autophagy in breast cancer cells. Cancer Research. 2010;70 (8 Supplement), 4852-4852.	12.7	-
17	LN Huynh, M Neil, Thangavel Muthusamy, H Luu, D Nair, MP Ibba. tRNA-mediated regulation of nutrient-responsive pathways in breast cancer cell. Cancer Research. 2011;71 (8 Supplement), 3770-3770.	12.7	-
18	Xiaoqiu Liu, Shu Qiang Sun, Thangavel Muthusamy, Chunying Li, Anjaparavanda P Naren, Rennolds S Ostrom. C1 and C2 Domains of Human Adenylyl Cyclase 6 are Targeted to Lipid Rafts and Caveolae. The FASEB Journal. 2006; 20 (5) A1117-A1117	-	-
19	Thangavel Muthusamy, FC Dorsey, JV CoxCaveolin 1 regulates the caveosome to Golgi sorting of protein and lipid cargo. 2004 (15) 441A-441A	-	-
20	Thangavel Muthusamy, L. Roshini Yadav, Sathis Ramalingam, Ilangovan Ramachandran and Prabakaran Nagarajan.Synergistic Effect of 5-Fluorouracil Combined with Naringin in MDA-MB-231 Human Breast Cancer Cells. International Research Journal of Oncology. 2020; 3(3): 13-27.	-	4
21	Geeva, Raghavan, V., Muthusamy Thangavel. et al. Influence of lithium treatment on pathological changes: an investigation on male Sprague–Dawley rat model. Toxicol. Environ. Health Sci. 2020; 13 (1) 37-4. https://doi.org/10.1007/s13530-020-00066-2	-	-
22	Thangavel M, Palanivel R and SakthisekaranD. The cytoprotective effect of curcumin on Adriamycin induced hepatotoxicity. Biomedicine, 2002; 21(4):21-27.	-	-
23	Palanivel R., Thanagavel M., Selvendiran K and Sakthisekaran D. Insulin-like effect of ammonium paratungstate on protein metabolism in streptozocin induced experimental diabetes in rats. Biomedicine, 2001; 21:23-30.	-	-
24	S Mumtaz Banu, R Padmavathi, M Thangavel, D Sakthisekaran. Chemotherapeutic efficacy of adriamycin against den induced oxidative stress in hepatocellular carcinoma bearing rats with reference to LPO, antioxidants and membrane stability. Biomedicine, 2002; 21(4) 21-27.	-	-
25	Devaprasad M, Thangavel M, Mariappan A, Abhinand.P.A. Subramaniyan K. Virtual Screening of Phytochemicals with Anti-Alzheimer Glycogen Synthase Kinase-3 Beta Activity. International Journal of Scientific Research. 2019; 8 (2) DOI : 10.36106/ijsr	-	-
26	Thangavel M, Devaprasad M, Mariappan A, Abhinand.P.A, Subramaniyan K. Ligand-Based Pharmacophore Modeling Studies of Tnf- Alpha-Converting Enzyme Inhibitors. Indian Journal of Applied Research. 2019; 9 (2)DOI: 10.15373/2249555X	-	-

27	Snap-25 Mediated Regulation Of Autophagy On Nutritional Starvation In Human Breast Cancer Cells: Manuscript under preparation	-	-
28	Synaptosome-associated protein of 25 kDa (SNAP-25) as a useful diagnostic and prognostic marker for breast cancer: Manuscript under preparation	-	-
29	Association of ABCG2 gene allele and serum uric acid in Parkinson disease: Manuscript under preparation	-	-

Research Skill

Molecular Biology techniques - Extensive 'Hands on' molecular cloning work experience and training: DNA Cloning: pcDNA3 Mammalian expression vector cloned with AE-1 anion exchanger peptide, Topo vector cloned with Ac6-C1 domain, PtriEx-4 Vector cloned with AC6-C1 domain, PTRE-Shuttle-2 Vector cloned with Adenylyl cyclase-3&4, Plasmid expression Vector, (PDPEV), neo-EGFP that expressed with enhanced GFP. Adeno viral construct with Adenylyl cyclase isoform2, 3, 4 and PTRE-Shuttle-2 Vector. Site-Directed Mutagenesis, PCR and RT-PCR, Plasmid DNA, RNA Isolation, Transfection: stable and transient transfection, nucleofection, and transformation, "knocked down" using plasmid vectors, ShRNA, SiRNA and FISH in situ hybridization (for in vitro tRNA localization).

Biochemical techniques: Hands on work experience in SDS-PAGE, Western blotting, ELISA, image acquirement under fluorescent microscope and confocal microscope immunoprecipitation, immune-diffusion, immuno-blotting, and extensively trained in immunocytochemistry, Immunohistochemistry staining, HPLC, Protein trafficking, natural and recombinant protein purifications, Antibody purification, 2-D-GEL electrophoresis, Mass spectrometry, lipid raft assay, cyclic AMP assay, assays of collagen synthesis, nuclear fraction isolation, β -galactosidase staining, biochemical estimations of enzymes, nucleic acids, proteins, lipids, neurotransmitters and cancer marker enzymes. Biochemical techniques like spectrophotometer, fluorimetry, Fluorescence, and column chromatography, ultra and gradient centrifugation. Cell biology techniques like Confocal and Immuno fluorescence microscope.

Cell Biology techniques: Research studies including cell isolation, animal (Isolation of Airway smooth muscle cell, BSMC cell, cardiac fibroblast cells and Lung fibroblast cells) and human cell culture techniques MDCK-cells, Breast cancer cell line (MDA, SK-231, MCF-7), HFF cell, human adult pulmonary fibroblast cell-LL47, LL29, Caco-2 cells, HEK-293 cells. Cos-7 monkey kidney fibroblast cells, cardiac fibroblast cells and intracellular recordings in young/adult animals and organo-typic slice cultures.

Experience in maintaining and characterizing animal models (transgenic and knockout models including mice) for research such as cancer induction, behavioral tests in transgenic mice, diabetes and cardio vascular models. Perform tissue culture, genotyping and surgery in knockout mice; perform laparotomy and other sterile surgeries to prepare animal models. Knockout mouse colony supervision and genotyping. Sterile techniques; protocol design and implementation; knowledge of histological techniques; data interpretation; writing skills for abstracts, posters, and publications; attention to detail; excellent communication skills

Teaching, lab training and Research.

Research project proposal planning and writing.

Computer Skills: Windows, Word, Power Point, Excel, Image j, Adobe Photoshop 8.9, Prism, Endnote 7.0, Origin, Images, Clampex, QUB, Mini analysis and STAT programs

Research Guidance		Degree
1.	Ph.D.	2
2.	M.Sc.	2
3.	B.Sc.	10

Publications Books	Publisher
Nil	

Projects	
Sponsored projects	
	<u>Nil</u>
Consultancy projects	
	Neuronal cytoskeleton as a target for drug therapy in bipolar disorders Merch Research Grants, Darstadt, Germany (4,50,000 EUR/Year for up to three years) To be submitted.
Patents	
	<ol style="list-style-type: none"> 1. Publiised-1 2. Patent Filed-1

Extramural projects ongoing/ completed	
1.	Co-Principle Investigator: Caveolar Dependent Trafficking of Membrane Transporters” Grant –In-Aid American Heart Association, Southeast Affiliate Chapter 7/1/03 - 6/30/05
2.	Co-Principle Investigator: 2005 to 2009: National Institutes of Health (NIH) grant to pursue basic research on the organization of pathways inside smooth muscle cells that control muscle contraction.
3.	Co-Principle Investigator: 2011 to 2014: VA Merit Review Major Grant program for research related to mood stabilizing medications and the brain inositol signaling system.

Conference / Workshop / Invited Lecture/ Resource person / Seminar/: International	
1.	Thangavel M. and Mette Ibba. Karyopherin-mediated Regulation of autophagy in breast cancer cells. April 17-21, 2010, Washington DC, Convention Center, Washington DC. USA: 101st American Association for Cancer Research. Poster Presented
2	Thangavel M. Lenguyen H, Timothy C, Ryan C and Mette Ibba. Karyopherin-mediated Regulation of autophagy in breast cancer cells. February 19, 2010, Greater Columbus Convention center, Columbus, Ohio, USA: 12th Annual Scientific Meeting Targeted cancer Therapies: Discovery to Personalized Medicine. Poster Presented
3	Thangavel M. Lenguyen H, Timothy C, Ryan C and Mette Ibba. Karyopherin-mediated regulation of autophagy. February 3-6, 2010, Coronado, California, USA: An ACCR Special Conference on Protein Translation and Cancer Meeting. Poster Presented
4.	Thangavel M. Piyatilake Adris, Rennolds Ostrom. Localization and coupling of adenylyl cyclase isoforms 2, 3 and 6 with G protein-coupled receptors in mouse bronchial smooth muscle cells. 2009 New Orleans, USA: EB2009-ASPET'S Meeting. Poster Presented
5.	Thangavel M. Xiaoqi L and Rennolds Ostrom. Proteomic analysis detects cytoskeletal related proteins that interact with the intracellular C1 domain of adenylyl cyclase 6. 2008 Abstract Viewer/Itinerary Planner. San Diego, California: EB2008-ASPET'S Centennial Meeting. Poster Presented
6.	Thangavel M., Xiaoqi L and Rennolds Ostrom. The proximal segments of the cytosolic C1 domain of adenylyl cyclase 6 localize to plasma membrane lipid rafts and caveolae. 2007 Abstract Viewer/Itinerary Planner. Washington, DC: 27th Annual meeting The experimental Biology, 2007. Online. Poster Presented
7.	Xia Liu., Thangavel M and Rennolds Ostrom. C1 and C2 AC6 adenylyl cyclase involved lipid rafts and caveolae. 2006 Abstract Viewer/Itinerary Planner. San Francisco, California: 26th annual meeting The experimental biology 2006, Online. Poster Presented
8.	Thangavel M., Dorsey. FC. and Cox JV. Caveolin-1 regulates the caveosome to Golgi sorting of protein. 2004 Abstract Viewer/Itinerary Planner. Washington, DC: 44th Annual meeting The American Society for Cell Biology, 2004. Online. Poster presented
9.	Dorsey FC. Thangavel M., Cox JV. A novel role for a YXXØ sorting signal in directing the caveolar dependent endocytosis of an AE1 anion exchanger/Fc receptor chimera. 2005 Abstract Viewer/Itinerary Planner. Washington, DC: 44th Annual meeting The American Society for Cell Biology, 2004. Online Publication. Poster Presented
10.	Thangavel M and Sakthisekaran D. Antioxidant effect of curcumin along with adriamycin in N-nitrosodiethylamine (DEN)-induced DNA damage and apoptosis. 2002 Abstract Viewer/Itinerary Planner 2002 Bangalore, India: International symposium on

	cancer and Cell death, 2002. Poster Presented
11.	Thangavel M and Sakthisekaran D. Protective effect of Curcumin along with adriamycin on N-nitrosodiethyl amine induced alterations in glycolytic enzymes in hepatocellular carcinoma. 2002 Abstract Viewer/Itinerary Planner. Jawaharlal Nehru University, New Delhi, India: International conference on emerging trends in cancer research, 2002. Poster Presented
12	Thangavel M and Sakthisekaran D. Antioxidant and antitumor effect of curcumin along with adriamycin on diethylamine induced hepatocellular carcinoma in experimental animals. 2001 Abstract Viewer/Itinerary Planner. Mumbai, India: International Conference on Natural Antioxidant and Free radicals in Human health And Radiation biology, 2001. Poster Presented
13	Sakthisekaran D and Thangavel M. Protective role of curcumin against adriamycin induced alterations in brain acetylcholine esterase and glycolytic enzymes. Abstract Viewer/Itinerary Planner 2001, Christ Church, New Zealand: 34th International Congress of Physiological Sciences from Molecule to Malady. 2001. Poster Presented
14	Thangavel M and Sakthisekaran D. Cytoprotective role of curcumin on adriamycin induced Neurotoxicity. Abstract Viewer/Itinerary Planner. 2001. Christ Church, New Zealand: 34th International congress of Physiological Sciences from Molecule to Malady, 2001. Poster Presented
15	M. Thangavel has participated in the 98th Indian Science Congress held at SRM University, Chennai
16	M. Thangavel, R.S. Seelan and R.N. Parthasarathy. Proteomic analysis of rat prefrontal cortex after chronic valproate treatment. Society of Neuroscience, 23rd Annual Louisville Neuroscienceday, Louisville, USA. Abstract 2013, Poster Presented
17	R.N. Parthasarathy, M. Thangavel and R.S. Seelan. Proteomic analysis of rat prefrontal cortex after chronic valproate treatment. Society of Neuroscience, 23rd Annual Louisville Neuroscienceday, Louisville, USA. Abstract 2013, Poster Presented
18	Le-Nguyen H, Maria N, Thangavel Muthusamy, Hiep L, Devi N, and Mette Ibba. tRNA mediated regulation of nutrient-responsive pathways in breast cancer cell. Proceedings: AACR 102nd Annual Meeting 2011- Apr 2-6, 2011; Orlando, FL, USA. Poster Presented
19	M. Thangavel, R.S. Seelan and R.N. Parthasarathy. Proteomic analysis of rat prefrontal cortex after chronic valproate treatment. Society of Neuroscience, Sandiego, California, USA. Abstract 2013, Poster Presented
20	M. Thangavel and Ibba. M. Karyopherin-mediated regulation of autophagy in fibroblast and

	breast cancer cells. 2nd International conference on frontiers in biological sciences(InCoFIBS-2015) India. Oral Presentation
21	Geeva, Thangavel M, Murugesan R and Shoba narayan. Studies on Li ₂ Co ₃ -loaded chitosan nanoparticles: With potential application for enhanced drug efficacy. International conference on frontiers in Nanoscience & Nanotechnology, Sastra University, Thanjavur, India. Feb 27 28, 2017, Paper presented.
22	Sakithisearan D, Thangavel M, Selvendiran K and Thirunavukkarasu C. Anticancer effect of selenium against N-nitrosodiethylamine induced alterations in drug metabolizing enzymes studied in albino rats. Abstract viewer/Itinerary Planner 2000, GrandRapids, Michigan, USA: 7th ICMMA, International conferences on Mechanisms of Antimutagenesis and anti carcinogenesis. Poster Presented.
23	Thangavel M and Sakthisekaran D. Rehabilitating role of curcumin along with adriamycin on N-nitrosodiethylamine-induced alterations in carbohydrate metabolizing enzymes in experimental hepatocellular carcinoma. Abstract viewer/Itinerary Planner 2002 National University of Singapore: 2nd International Conference on natural products, 2002, Paper presented.
24	Thangavel M, Magesh V and Sakthisekaran D. Rehabilitating role of curcumin against nitrosodiethylamine induced experimental hepatocellular carcinoma with reference on glutathione metabolism. XXXV Annual conference of Indian Pharmacological society, Defence Research and Development Establishment , Min of defence, Govt of India, Gwalor, India. 26th-29 Nov 2002. P148. Poster presented.
25	Sakthisekaran D., Mumtaz banu S and Thangavel M. Chemotherapeutic efficacy of adriamycin against N-nitrosodiethylamine induced experimental hepatocellular carcinoma. 2002 Abstract Viewer/Itinerary Planner, JIPMER, Pondicherry, India: XXIII Annual Conference of Indian Association of Biomedical Scientists. 2002. Presented.
26	Mumtaz Banu., Thangavel M and Sakthisekaran D. Effect of Adriamycin in the treatment of experimental hepatocellular carcinoma with reference to liver ATPase. 2002. Abstract Viewer/Itinerary Planner 2002. JIPMER, Pondicherry, India: XXIII Annual Conference of Indian Association of Biomedical Scientists. 2002. Poster Presented
27	Thangavel M., Prince Vijeya Singh J and Sakthisekaran D. The Antioxidant and cytoprotective effect of curcumin against adriamycin induced experimental hepatotoxicity. Abstract Viewer/Itinerary Planner 2000. Hyderabad, India: Biennial National Conference Indian Society of Oncology, 2000, Paper Presented
28	Sakthisekaran D., Thangavel M., Selvendiran K and Thirunavukkarasu C. Anticancer effect of selenium against N-nitrosodiethylamine induced alterations in drug metabolizing enzymes studied in albino rats. Abstract Viewer/Itinerary Planner 2000, Grand Rapids, Michigan,

	USA: 7th ICMAA, International conference on Mechanisms of Anti-mutagenesis and anti-carcinogenesis. Paper presented.
29	Thangavel M and Sakthisekaran D. Rehabilitating role of curcumin along with Adriamycin on N-nitrosodiethylamine-induced in carbohydrate metabolizing enzymes in experimental hepatocellular carcinoma. Abstract Viewer/Itinerary Planner 2002. National University of Singapore, Singapore:2nd International Conference on Natural products. Paper Presented.
30	Thangavel M and Sakthisekaran D. Attenuation effect of Curcumin on adriamycin induced acute neurotoxicity in albino rats. Abstract Viewer/Itinerary Planner 1999, Annamalai University, Annamalai nagar, India: XXI Annual conference, Indian Association of Biomedical Scientists, Abstract 1999. Paper Presented.
31	Thangavel M and Sakthisekaran D. Invitro studies on the selective cytotoxic effect of crocetin and quercetin. 1999. University of Madras, Chennai, India.2000, Paper Presented.
32	Thangavel M., Magesh V and Sakthisekaran D. Rehabilitating role of curcumin against nitrosodiethylamine induced experimental hepatocellular carcinoma with reference to glutathione metabolism. XXXV Annual conference of Indian Pharmacological Society, Defence Research and Development Establishment Min. of Defence, Govt of India, Gwalor, India. 26th -29th November, 2002. P148. Paper Presented.
33	G.P. Dubey, Thangavel M, Aruna Agrawal, Vasanth, S. K1. Ilango, R.G. Singh. Pro-inflammatory and pro-thrombotic adipokines involved in Metabolic Syndrome-benefits of an Ayurvedic formulation National Institute of Ayurveda conference (NIACON, 2011)
National Seminar	
34	M. Thangavel has Participated in the National Seminar on “Noval Neuroactive molecules’ in Helminth parasites” organized by the Department of Biotechnology, University of Madras, Guindy Campus, Chennai 600 025, On 10th April, 2001
35	M. Thangavel attended a Seminar Trends in molecular Biology and Biotechnology held at the Department of Zoology, University of Madras, Guindy Campus, Chennai-25 sponsored by British Deputy High Commission, South India, Chennai on 20th August, 1999
36	M. Thangavel, Associate Professor, Faculty of Allied Health Sciences, actively participated as delegate at the Chettinad Institutional Fertility colloquium, held on September, 2014, at Chettinad Hospital and Research Institute, Kelambakkam, Tamilnadu, India.
37	M. Thangavel, Associate Professor, Faculty of Allied Health Sciences, participated as delegate in the seminar on “Examination And Evaluation reforms In Health Sciences” conducted on 23rd March 2015, by the Internal Quality Assurance Cell.
38	M.Thangavel, Associate Professor, Faculty of Allied Health Sciences, participation as Delegate in the CME CHETPSYCON 2016 organised by Department of Psychiatry at Chettinad Hospital & Research Institute on 28th Sep, 2016.

Workshop	
39	M. Thangavel, Associate Professor, Dept of Biotechnology participated in the one day workshop on Biological Nuclear Transmutations: Historical Perspective and Applications held in SRM University, in association with Indian Institute of Metals Kalpakkam Chapter IGCAR during 15th February 2011. Chennai.
40	M. Thangavel, Associate Professor, Dept of Biotechnology Speaker, Department of Biochemistry, VRR Institute of Basic Medical Sciences, DBT-Sponsored short term training course on “Molecular Techniques in diagnosis of Infectious diseases, Autoimmune & Genetic disorders” from Nov 17 to 30, 2014. Chennai, India.
41	M. Thangavel, Associate Professor, Dept of Allied Health Sciences, Chettinad Academy of Research and Education, Chettinad University, Kelambakkam, 603103. Workshop on in vivo Small Animal Optical Imaging at Central Research Lab, 14th March 2016.
42	M. Thangavel, Associate Professor, Dept of Allied Health Sciences, for successful completion of 3T-IBHSc Training Course In Bioethics Training For Health Professionals of Health Science Universities (Accredited by the UNESCO Chair In Bioethics, Haifa) 28th-30th April, 2016.
43	M. Thangavel, Associate Professor, Dept of Allied Health Sciences, Chettinad Academy of Research and Education, Chettinad University, Kelambakkam, 603103. Two days workshops on cellular & Molecular Diagnostics 10th –11th February, 2017.
44	M. Thangavel, Associate Professor, Dept of Allied Health Sciences, Chettinad Academy of Research and Education, Chettinad University, Kelambakkam, 603103. Organiser the national conference on Nanotechnology in Medicine sponsored by Science and Engineering Research Board (SERB), Department of Science & Technology-(DST) Govt of India conducted by FAHS at Chettinad Hospital & Research Institute on 8 th – 9 th Sep, 2017.
45	Sangamithra. N Divya. A and Thangavel Muthusamy. Nanotechnology-based drug delivery systems for treatment of oral cancer. 2nd International Conference on Novel Approaches in Cancer Research and Therapy [NACRAT 2K17] June 27-28, 2017. Organized by: Saveetha Dental College & Hospitals, Saveetha University, Chennai, India.
Invited Speaker	
46	Invited Speaker: M. Thangavel, Dept. of Allied Health Sciences, MAHER, tRNA-MEDIATED REGULATION AUTOPHAGY IN HUMAN BREAST CANCER CELLS, International workshop cum conference on smart materials and their applications in recent technologies (SMART2020) held on March, 2020 at department of chemistry, Periyar University, salem-63601, Tamilnadu & Royal society of chemistry
47	Invited Speaker: Anti cancer and antioxidant effect of Naringin along with 5-Fluorouracil In MDA-MB-231 Human Breast Cancer Cells. Indian Science Congress, Jalandhar City, Punjab, Jan 2019, India

48	Invited Speaker: International Conference on “Trends in Biochemical and Biomedical Research: Advances and Challenges” Department of Biochemistry, Institute of Science, Banaras Hindu University Varanasi-221005, INDIA, February 13-15, 2018
49	Invited Speaker: Title on “Linking tRNA Localization with activation of nutritional stress responses in autophagy”. Department of Medical Biochemistry, University of Madras, Chennai, India, March 28th, 2018.
50	Invited Speaker: Linking of tRNA localization with activation of nutritional stress responses at the center for advanced studies in Botany, Guindy Campus, University of Madras. Dated: 24.01.2014 at the Seminar hall. TN, India.
51	Invited Speaker: Department of General Surgery, Sri Ramachandra University, Porur, and Chennai, India. Title: G-Protein coupled receptors functions and Mechanism on lipid draft protein caveolin-1 in cardio vascular diseases”: Oct- 2010.
52	Invited Speaker: Title-Karyophorin-mediated Regulation of Autophagy in breast cancer cells. Biomedical Research tower. Sep, 2009, The Ohio State University Medical Center, Columbus, Ohio, USA.
53	Invited Speaker: 2nd International Conference on Frontiers in Biological Sciences (InCoFIBS-2015) 22nd to 24th January, 2015, National Institute of Technology, Rourkela, Odisha, India.
54	Invited Speaker: 9th National level Technical Symposium, BIOZONE-2017, Department of Biotechnology, Dr.M.G.R. University and Research Institute, Chennai, 2017.