



## **Dr. T. MALARVILI**

Principal (Professor Cadre)  
Co Ordinator, Chemistry Wing, CDOE  
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Qualification	Year of passing	University	Remarks
M.Sc. (Biochemistry)	1989	SRC Trichy, BDU	Distinction
B.Ed.	1991	Madras University	First class
M.Phil. (Applied chemistry)	1994	NIT, Trichy, BDU	First class
SLET (Biochemistry)	1997	-	Qualified
Ph.D. (Biochemistry)	2007	Tamil University	Highly commended

### **Position And Employment** (starting from the most recent employments)

S.No	Institution place	Position	From	To	Total
1	Bharathidasan University	Principal, Professor cadre, Co Ordinator, Chemistry Wing, CDOE,	24.12.2022	Till date	1 year
2	Govt. Arts and Science College, Srirangam, Tiruchirappalli	Principal	05.05.2019	23.12.2022	3 years 7 months
3	Bharathidasan University Constituent College, Orathanadu	Principal	05.07.17	4.5.2019	1 y 10 M
4	Rajah Serfoji Govt. College, Thanjavur	Asst. Professor Dept. of Biochemistry	26.02.11	05.07.18	5 Y 9 M
4	J.J. College of Arts and Science, Namanasamudram Pudukkottai – 622 422	Head, Dept. of Biochemistry	17.01.94	26.02.11	17 Years

5	SRC, Trichy	Lecturer, Dept.of Biochemistry. Lecturer, In charge Dept.of Healthcare & Hospital Management	01.11.89	01.11.93	4 Years
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### ADDITIONAL POSITIONS HELD IN COLLEGES

**Member in following committees in J.J. College of Arts and Science:**

- a. Admission Committee
- b. College Council
- c. Staff selection Committee
- d. Library Advisory Committee
- e. Research Committee
- f. IQAC
- g. Grievance Redressal Cell

**Member in following committees in Rajah Serfoji govt College Thanjavur**

Position	Location	Period	
		From	To
Eco club	Rajah Serfoji govt college Thanjavur	June 2013	May 2014
Discipline committee	Rajah Serfoji govt college Thanjavur	June 2014	May 2015
Literary club-coordinator	Dept of Biochemistry, Rajah Serfoji govt college Thanjavur	June 2014	May 2017
Redressal cell for girls	Rajah Serfoji govt college Thanjavur	June 2015	May 2017
Anti- Ragging committee	Dept of Biochemistry, Rajah Serfoji govt college Thanjavur	June 2016	May 2017

### Research experience : 20 years

1. Completed 1 Lakh Minor Research Project for Teachers'2021-2022 from Tamil Nadu State council for Higher Education
2. Approved for Financial Assistant to Student's Mini Projects Scheme 2013-2014 from Tamil Nadu State Council For Higher Education-V. Tamilelakiya II M.Sc BioChemistry, "Effect of Beutlinic acid in antioxidant and lipid peroxidation in High fructose fed rats" Sanctioned amount Rs. 15,000
3. TNSCST Student Project Scheme 2016-2017 approved – M. Vaitheeswari - Antioxidant activity of aplotaxis auriculata rhizomes in High fructose fed rats - Sanctioned Amount 10,000

### Area of research

- 1 Phytotherapeutics

- 2 Microalgal studies
- 3 Metabolic studies on Obesity

### Reviewer in Journal & Journal advisory board

Asian Journal of Physics and Chemical Sciences	2017-2018
Indian Journal of Science and Technology	2017-2018
World Journal of Science and Research	2016-Till Date
Asian Journal Of Innovative Research	2016-Till Date

### Members in Academic or Scientific Bodies:

Name of the Institution	From	To
Indian Association of Biomedical Scientists	2010	Life membership
Society of Biological Chemists	2010	Life membership
Patents, Medals, Award, Prize, Special achievement if any and Fellowships Obtained	<b>Patent Appl.no: 202341018909 (Filed and published)</b> <b>Anticancer Activity Of Bryonopsis Laciniosa Extract On lung Cancer Cell Line (A549)</b>	

### Research scholars guided

P.G Projects	103
M.Phil. scholars	23 members
Ph.D.	Awarded 11, Guiding 02 scholars

### List of publication in UGC-Care /refereed

Sl.No	Author Names	Title of the Paper	Journal Title, Volume No, Issue No, Year & Impact factor	UGC Journal No & ISSN
1.	Selvarathinam K, Subramani P, <b>Thekkumalai M</b> , Vilwanathan R, Selvarajan R, Abia ALK	Wnt Signaling Pathway Collapse upon $\beta$ -Catenin Destruction by a Novel Antimicrobial Peptide SKACP003: Unveiling the Molecular Mechanism and Genetic Activities Using Breast Cancer Cell Lines	Molecules 2023, 28(3), 930-939 https://doi.org/10.3390/molecules28030930	<a href="https://www.scopus.com/sourceid/26370">https://www.scopus.com/sourceid/26370</a> ISSN: 1420-3049
2.	R.Priya, <b>T. Malarvili</b>	Phytochemical Screening of Qualitative and Quantitative Analysis of In vitro Antioxidant Activities in Methanolic Extract of Bombax Ceiba (Flower)	Adv. Biores., Vol 13 (4) July 2022: 46-51 P DOI: 10.15515/abr.0976-4585.13.4.4651	WoS indexed Print ISSN 0976-4585; Online ISSN 2277-1573
3.	R.Priya, <b>T. Malarvili</b>	Evaluation of Phytochemical Compounds in Methanolic Extract of Bombax ceiba (Flower) Using UV-VIS and FTIR Analysis	Bulletin of Environment, Pharmacology and Life Sciences, Spl Issue [2] 2022 : 01-05	WoS indexed Online ISSN 2277-1808
4.	Tamilarasi T, <b>Malarvili T.</b> , Suganthi K and Anitha C	Evaluation of Reactive Oxygen and Nitrogen Species Scavenging Activities of Ulva lactuca	International Journal of Zoological Investigations Vol. 8, Special Issue, 143-151(2022)	WoS indexed ISSN: 2454-3055
5.	Tamilarasi T, <b>Malarvili T.</b> , Suganthi K and Sivaranjani V	Assessment of Ulva lactuca Extract on Inflammatory Markers in Fructose Fed Experimental Rats	International Journal of Zoological Investigations Vol. 8, Special Issue, 160-166(2022)	WoS indexed ISSN: 2454-3055
6.	Dhandayuthapani S, Chidambaram A, <b>Thekkumalai M</b> , Batra J.	Generation of Reactive Oxygen Species and its Defense Mechanism during Aflatoxin B1 Contamination: An Overview.	Journal of Pharmaceutical Negative Results, 12:562-6, 2022,	<a href="https://www.scopus.com/sourceid/21100216519">https://www.scopus.com/sourceid/21100216519</a> ISSN: Print -0976-9234, Online - 2229-7723

7.	Pandian, P., <b>Thekkumalai, M.</b> , Das, A., Goel, M., Asthana, A., Ramanaiah, V.	Simulation of Phenol and Chlorophenol Removal Using Combined Adsorption and Biodegradation: Regression Analysis and Data-Mining Approach	Journal of Hazardous, Toxic, and Radioactive Waste, 26(3), 04022015, 2022,	<a href="https://www.scopus.com/sourceid/19900192156">https://www.scopus.com/sourceid/19900192156</a> ISSN:2153-5493 E-ISSN:2153-5515
8.	Dhandayuthapani S, Chidamabaram A, <b>Thekkumalai M</b> , Batra J	Narrative Review on Etiology and Mechanism of Aflatoxin B1 in the induction of Hepatocellular Carcinoma.	Journal of Pharmaceutical Negative Results.10:1097-103, 2022	<a href="https://www.scopus.com/sourceid/21100216519">https://www.scopus.com/sourceid/21100216519</a> ISSN: Print -0976-9234, Online - 2229-7723
9.	Chidamabaram A, <b>Thekkumalai M</b> , Prabasheela B, Bhagat TS, Batra J, Dhandayuthapani S	Biochemical mechanism of ferroptosis-mediated cancer cell death in triple-negative breast cancer: An insight.	Santosh University Journal of Health Sciences. 1;8(2):90, 2022	Print: 2773-1987, Online: 2773-1995
10.	Vemuri SK, Halder S, Banala RR, Rachamalla HK, Devraj VM, Mallarpu CS, Neerudu UK, Bodlapati R, Mukherjee S, Venkata SGP, Venkata GRA, <b>Thakkumalai M</b> , Jana K	Modulatory Effects of Biosynthesized Gold Nanoparticles Conjugated with Curcumin and Paclitaxel on Tumorigenesis and Metastatic Pathways-In Vitro and In Vivo Studies.	Int J Mol Sci. 2022 Feb 15;23(4):2150. doi: 10.3390/ijms23042150. PMID: 35216264; PMCID: PMC8876049.	<a href="https://www.scopus.com/sourceid/25879">https://www.scopus.com/sourceid/25879</a> ISSN:1661-6596 E-ISSN:1422-0067
11.	V. Sivaranjani, <b>T. Malarvili</b> , K. Suganthi, S. Mahalakshmi,	"Determination of Bioactive Compounds in ulva reticulata extract using GCMS Technique	International Journal of Modern Agriculture,(2021) Vol. 10, Issue 2, 2021, pp. 3309-3314	WoS indexed ISSN:2305-7246
12.	Parthiban P, <b>Malarvili T</b> ,	Synthesis and characterization of plant based carbon obtained from deoiled cakes of jatropha curcus and pongamia pinnata	International Journal of Botany Studies, Volume 6, Issue 5, 2021, Page No. 463-467 Published: 13-09-2021	WoS indexed ISSN: 2455-541X
13.	<b>Malarvili. T</b> and Kanitha. S, "	Challenges and opportunities in breast cancer therapy: a critical review"	International Journal of Biology, Pharmacy and Allied Sciences(IJBPAS), February, 2021, 10(2): 809-841	WoS indexed ISSN:2277-4998
14.	V. Sivaranjani, <b>T. Malarvili</b> , K. Suganthi, S. Mahalakshmi,"	"In vitro reactive oxygen and nitrogen species scavenging activity of ulva reticulata extract	International Journal of Botany Studies, Vol. 6, Issue 1, 2021, pp. 150-154	WoS indexed ISSN: 2455-541X
15.	Parthiban PSathya RA <b>Malarvili T</b> Ashutosh Das	A Techno-Feasibility Assessment of Low-Cost Adsorbents for Wastewater Treatment	Wesleyan Journal of Research, Vol 14 No 04 (March 2021)	UGC-CARE List Group I ISSN: 0975-1386
16.	S. Kanitha, <b>T. Malarvili</b> ,	Inhibition of breast cancer progression by targeting betacatenin protein using a novel anticancer peptide	International Journal of Botany Studies, Vol. 6, Issue 1, 2021, pp.128-132	WoS indexed ISSN: 2455-541X
17.	Kanitha. S, <b>Malarvili. T</b> ,	Systematic screening for anticancer activity of antimicrobial peptides	International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS), December, 2020, 9(12): 3613-3625	WoS indexed ISSN:2277-4998
18.	Selvarathinam, K., <b>Thekkumalai, M.</b> , Perumalsamy, B., Vilwanathan, R.	Design and Synthesis of a Novel Antimicrobial Peptide Targeting $\beta$ -catenin in Human Breast Cancer Cell lines	International Journal of Peptide Research and Therapeutics, 27(3):1849-1860 10.1007/s10989-021-10215-x	<a href="https://www.scopus.com/sourceid/145580">https://www.scopus.com/sourceid/145580</a> ISSN:1573-3149 E-ISSN:1573-3904
19.	Suganthi.K, Sivaranjani.V. <b>Malarvili.T</b> , Ramya. B,	Effect of Sargassum Wightii on marker enzymes and inflammatory markers on selected tissues of rats fed with high doses of fructose"	Sambodhi, Vol.43, No. 03(X), July-September(2020), , pp. 55-65	UGC-CARE List Group I ISSN: 2249-6661
20.	B. Ramya, <b>T. Malarvili</b> ,	Merlin Lethiyal. Bio potentials of marine natural products to combat bio fouling and corrosion	International Journal for Innovative Research in Multidisciplinary field. (2020). 6 (5). 241-248	UGC-CARE List Group I ISSN: 2455-0620
21.	B. Ramya, <b>T. Malarvili</b> .	Determination of flavonoid (quercetin) from Bryonopsislaciniosa fruit extract by HPTLC analysis.	International Journal for Innovative Research in Multidisciplinary field. (2020). 6 (5): 331-336	UGC-CARE List Group I ISSN: 2455-0620
22.	B.Ramya,G.Parthasarathy, <b>T. Malarvili</b> ,	"Covid 19: A Current Scenario.	Journal of Engineering Sciences. 2020, 11 (4): 890-894	UGC-CARE List Group I ISSN:0377-9254
23.	K. Suganthi, <b>T. Malarvili</b> , Sivaranjani, A. Domnic Amalraj,	"In vivo evaluation of the antioxidant activity of seaweed Sargassam wightii in selected tissue on high fructose diet fed rats",	International Journal of Botany Studies, Vol. 5, Issue 6, 2020, pp. 277-283	WoS indexed ISSN: 2455-541X

24.	K. Suganthi, T. Malarvili, V. Sivaranjani, A. Dominic Amalraj,	“Invitro antioxidant activity and scavenging effect of ethanolic extract of sargassam wightii	Journal of Natural Remedies, Vol. 21, No. 6 (S1), 2020, pp. 107-114.	<a href="https://www.scopus.com/sourceid/21100795043">https://www.scopus.com/sourceid/21100795043</a> ISSN:0972-5547 E-ISSN:2320-3358
25.	Veerappan Ramanathan, Dominic Amalraj Arulananth, Malarvili Thekkumalai.	Effect of Chrysin endothelial vasodilation on L-NAME induced hypertensive rats.	Indian Journal of Biochemistry and Biophysics (2020) 57:572-577.	<a href="https://www.scopus.com/sourceid/17537">https://www.scopus.com/sourceid/17537</a> ISSN:0301-1208
26.	Parthiban, P., Malarvili, T., Jayakumar, V., Goel, M., Asthana, A., Das, A.	Deminerlization of phenol derivatives using sequential adsorption and biological degradation process	Rasayan Journal of Chemistry, 13 (3): 1944 1951, 2020	<a href="https://www.scopus.com/sourceid/19400157518">https://www.scopus.com/sourceid/19400157518</a> ISSN:0974-1496 E-ISSN:0976-0083
27.	R Veerappan, T Malarvili	Chrysin pretreatment improves angiotensin system, cGMP concentration in L-NAME induced hypertensive rats.	Indian Journal of Clinical Biochemistry (2019) 34 (3), 288-295, 10.1007/s12291-018-0761-y	<a href="https://www.scopus.com/sourceid/17538">https://www.scopus.com/sourceid/17538</a> ISSN:0970-1915 E-ISSN:0974-0422
28.	Dhandayuthapani, S, Thekkumalai, M. and Vavamohaideen. HB	Biopotency of Gynandropsis Gynandra L., against Aflatoxin B1- Induced Rats with Reference to Tumour Marker Enzymes.	J Cancer Oncol 2019, 3(2): 000143, DOI: 10.23880/oajco-16000143.	ISSN: 2578-4625
29.	Satish Kumar Vemuri, Rajkiran Reddy Banala, Sudip Mukherjee, Purushotham Uppula, Subbaiah GPV, Gurava Reddy A.V. Malarvili T.	Novel biosynthesized gold nanoparticles as anti-cancer agents against breast cancer: Synthesis, biological evaluation, molecular modelling studies.	Materials Science & Engineering C (99):417–429. (2019)	<a href="https://www.scopus.com/sourceid/17813">https://www.scopus.com/sourceid/17813</a> ISSN: 0928-4931
30.	RM. Veerappan, D. Amalraj, T. Malarvili	Macrotyloma uniflorum extract improves glucose metabolism and proinflammatory parameters in the high fructose fed rats.	Indian Journal Experimental Biology (2019).. 57: 594 – 607.	<a href="https://www.scopus.com/sourceid/15196">https://www.scopus.com/sourceid/15196</a> ISSN:0019-5189 E-ISSN:0975-1009
31.	D. Amal Raj, RM. Veerappan, S.Mahalakshmi, T. Malarvili.	Chrysin prevents the deregulation of collagen expression and renal renin - angiotensin system in L-NAME induced hypertensive rats.	International Journal of Pharmacy and Biological Sciences. 2019; 9(1).860-867 (2018)	UGC-CARE List Group I ISSN: 2321-3272 e ISSN: 2230-7605
32.	Dominic Amalraj, Arul anandu, Veerappan Ramanathan, Malarvili Thekkumalai.	Chrysin administration of glucocorticoid antagonism and carbohydrate metabolism in HFFD rats.	International Journal of Management, Technology and Engineering. 2018; 8 (XI):930-939	UGC-CARE List Group I ISSN: 2249-7455
33.	RM. Veerappan, D.Amalraj, S. Mahalakshmi and T. Malarvili (2018)	Role of Achyranthes aspera (Linn) seeds on High fructose diet induced diabetes mellitus in rats.	Life Science Archives. 2018; 4 (4): 1423 – 1432.	UGC-CARE List Group I ISSN: 2454-1354
34.	A. Dominic Amal Raj, RM. Veerappan, S. Mahalakshmi and T. Malarvili (2018).	Effect of <i>Betula alnoides</i> Collagen and Inflammatory Markers in high Fructose – Fed Rats.	Indo - Asian Journal of Multidisciplinary Research, 4(3): 1418 –1429.	UGC-CARE List Group I ISSN: 2454-1370
35.	Veerappan Ramanathan, Malarvili Thekkumalai.	<i>Macrotyloma Uniflorum</i> extract improves lipid profile in high fructose fed rats.	International Journal of Innovative research in Technology, Science &Engineering. (2018) 4 (3):44-51.	ISSN: 2347-6710 E ISSN :2319-8753
36.	Dominic Amal Raj, Ramanathan Veerappan, Thekkumalai Malarvili.	Modulatory effect of <i>Betula alnoids</i> bark extract on free radicals and antioxidants in tissues of high fructose fed rats.	International Journal of Innovative research in Technology, Science &Engineering. 4 (3): 33-43. (2018)	ISSN: 2347-6710 E ISSN :2319-8753
37.	RM. Veerappan. T. Malarvili.	Effect of <i>Macrotyloma uniflorum</i> on free radicals and antioxidants in tissues of high fructose fed rats.	International Journal of Pharmaceutics & Drug Analysis .6 (2); 262 – 270. (2018)	ISSN: 2348 – 8948
38.	Satish Kumar Vemuri, Rajkiran Reddy Banala, GPV Subbaiah, Gurva Reddy AV, Malarvili Thekkumalai..	Apoptotic efficiency of aqueous extracts of turmeric, garlic and their active compounds in combination with Tamoxifen in lung and oral cancers: A comparative study	Beni-Suef University Journal of Basic and Applied Sciences. 7:184-197, (2018)	<a href="https://www.scopus.com/sourceid/21101044928">https://www.scopus.com/sourceid/21101044928</a> ISSN: 2314-8543

39.	RM. Veerappan, T. Malarvili.	(Modulatory effect of <i>Achyranthes aspera</i> L., seeds on carbohydrates and protein bound enzymes on high fructose fed diet.	Journal of Pharmacology and Toxicology. 2017; 12 (3): 154-160.:	E ISSN: 2152-100x. ISSN1816-496x
40.	C Arunmathi and T Malarvili	Evaluation and phytochemical analysis of <i>aplotaxis auriculata</i> rhizome using UV-VIS, FTIR and HPLC.	World Journal of Science and Research. 1(3): 01-06.(2017).	ISSN: 2455 -2208
41.	Satish Kumar, V. Rajkiran Reddy. B, Subbaiaha. G.P.V. Saurabh Kumar. S Gurava Reddy A.V. Malarvili. T.	Anti-cancer potential of a mix of natural extracts of turmeric, ginger and garlic: A cell-based study.	Egyptian Journal of Basic and Applied Sciences. 4, 4, 332-344, (2017)	<a href="https://www.scopus.com/sourceid/21101053507">https://www.scopus.com/sourceid/21101053507</a> E ISSN: 2314-808X
42.	C Arunmathi and T Malarvili.	Reactive oxygen and nitric oxide scavenging activity of <i>aplotaxis auriculata</i> rhizomes	World Journal of Pharmaceutical Research. 6, 7, 986-1000. (2017)	ISSN: 2277 -7105
43.	C Arunmathi and T Malarvili	Analysis of bioactive compounds in methanol extract of <i>Aplotaxis auriculata</i> rhizome using GC-MS	Journal of Pharmacognosy and Phytochemistry;6(3): 243-247, (2017)	E-ISSN: 2278-4136 P-ISSN: 2349-8234
44.	D. Sivanesan, T. Malarvili and V. Hazeena Begum.	Chemopreventive action of <i>Gynandropsis gynandra</i> L., against Aflatoxin-B1 in Rats,	Chemical Science Transactions, 2016;5(3): 803-808 DOI:10.7598/cst2016.1253	ISSN:2278-3458
45.	S. Mahalakshmi, T. Malarvili and S. Velavan.	Antioxidant Activity of <i>Bryonopsis Laciniosa</i> Fruit Extract on Diethyl nitrosamine (Den) Induced Hepatocellular Carcinoma in Rat Liver	Journal of Bioscience and Technology. 7(4), 786-793. (2016).	ISSN:1314-6238 E ISSN:1314-6246
46.	Sumithra, T. Malarvili and B. Ramya.	Hypolipidemic effect of <i>Bryonopsis lacinosa</i> fruit in high fructose fed rats.	Asian Journal of Innovative Research. 1(1) 6-10, (2016)	ISSN: 2455 -7285
47.	T. Malarvili, B. Ramya and S. Vijikumar	Photosynthesis of Silver nano Particles in Crude Latex Extracts of <i>Calotropisprocera</i> L., <i>Pergulariadaemia</i> L. and <i>Sarcostemma intermedium</i> Decne.	Nano Vision, 5(4-6), 107-114, (2015).	ISSN: 2319-7633
48.	M Kowsalya, T Malarvili	Effect of chrysin on lipid peroxidation and antioxidant status in high fructose fed rats.	World Journal of Science and Research 1 (1), 19-23, (2015)	ISSN: 2455 -2208
49.	ADA Raj, T Malarvili, S Velavan. .	Restorative effect of <i>Betula alnoides</i> bark on hepatic metabolism in high fat diet fed Wistar rats	Int. J. Pharma BioSci 6, 1281-1288 (2015)	<a href="https://www.scopus.com/sourceid/20600195619">https://www.scopus.com/sourceid/20600195619</a> ISSN:0975-6299
50.	Ramya. B, Malarvili. T and Velavan. S.	Micronutrients and Vitamin Analysis Of <i>Bryonopsis Laciniosa</i> Fruit.	Int J Pharm Bio Sci 6(4B) 265-273, (2015).	<a href="https://www.scopus.com/sourceid/20600195619">https://www.scopus.com/sourceid/20600195619</a> ISSN:0975-6299
51.	Ramya B. Malarvili T and Velavan S.	In vitro antioxidant activity <i>Bryonopsis laciniosa</i> fruit extract.	International Journal of Applied research. 5 (9) 262-266, (2015).	ISSN:2249-555X
52.	Ramya, B., T. Malarvili and S. Velavan	GC-MS analysis of Bioactive Compounds in <i>Bryonopsis laciniosa</i> Fruit Extract	International Journal of Pharmaceutical Sciences and Research, 6(8):1000-1005. (2015)	WoS indexed E ISSN: 0975-8232, ISSN: 2320-5148
53.	Ramya, B., T. Malarvili and S. Velavan.	Evaluation of Phytoconstituents of <i>Bryonopsis laciniosa</i> fruit by UV-Visible Spectroscopy and FTIR analysis.	Pharmacognosy J., 7(3):165-170 10.5530/pj.2015.3.4 (2015)	<a href="https://www.scopus.com/sourceid/19700175096">https://www.scopus.com/sourceid/19700175096</a> ISSN:0975-3575
54.	Dominic Amal Raj, A., Malarvili, T., Velavan, S.	Antioxidant activity <i>Betula alnoides</i> bark extract in high fat diet fed wistar rats	International Journal of Chemtech Research, 7(5):2391-2398.(2014)	<a href="https://www.scopus.com/sourceid/19700175055">https://www.scopus.com/sourceid/19700175055</a> ISSN:0974-4290
55.	Veerappan, RM, T. Malarvili and G. Archunan.	Effects on chrysin on lipid and xenobiotic metabolizing enzymes in L-NAME-induced hypertension.	International Journal of Nutrition, Pharmacology, Neurological Diseases 4(Suppl 1):p S17-S22, 2014. DOI: 10.4103/2231-0738.147459	<a href="https://www.scopus.com/sourceid/21100440512">https://www.scopus.com/sourceid/21100440512</a> ISSN:2231-0738E-ISSN:2231-2722
56.	Prabakaran, V. and T Malarvili.	Effect of saponin on lipid peroxidation and antioxidant status in high fructose fed rats	International Journal of Natural Products Research, 4(4):110-115. (2014).	
57.	Dominic Amal Raj, A., Malarvili T. and Velavan, S.	Evaluation of Hypolipidimic activity of <i>Betula alnoides</i> bark on triton WR-1339 induced hyperlipidemia in albino rats.	International Journal of Pharmacology and Toxicology. 4(2):67-71, (2014).	E ISSN- 2249-7668 ISSN- 2249-7676
58.	Veerappan, RM., and T. Malarvili.	Effects of Chrysin on hepatic and renal activities of N <sup>o</sup> -nitro-l-arginine methyl ester induced hypertensive rats	International Journal of Nutrition, Pharmacology, Neurological Diseases, 4(1):58-63. (2014).	<a href="https://www.scopus.com/sourceid/21100440512">https://www.scopus.com/sourceid/21100440512</a> ISSN:2231-0738E-ISSN:2231-2722



59.	<b>Malarvili, T.</b> and RM. Veerappan.	Effect of Chrysin on Free radicals and enzymatic antioxidants in N <sup>o</sup> -nitro-L-arginine methyl ester: induced hypertensive rats	International Journal of Nutrition, Pharmacology, Neurological Diseases, 4(2):112-117. (2014).	<a href="https://www.scopus.com/sourceid/21100440512">https://www.scopus.com/sourceid/21100440512</a> ISSN:2231-0738E-ISSN:2231-2722
60.	Dominic Amal Raj, A., <b>Malarvili, T.</b> and Velavan, S.	Reactive Oxygen and Nitrogen species scavenging activity of <i>Betula alanooides</i> bark extract (Babe) - An <i>in-vitro</i> studies	International Journal of Research in Biochemistry and Biophysics, 3(4):29-34, (2013).	ISSN: 2331-9925 ISSN: 2331-9933
61.	Dominic Amal Raj, A., <b>Malarvili, T.</b> and Velavan, S.	Anti-Obesity effect of <i>Betula alanooides</i> bark extract (Babe) on Plasma lipids in Male Wister Rats Fed a Fructose rich diet.	International Journal of Pharmaceutical Research, 2(1-4):213-220. (2013).	<a href="https://www.scopus.com/sourceid/19700174645">https://www.scopus.com/sourceid/19700174645</a> ISSN:0975-2366
62.	RM Veerappan, <b>T Malarvili</b>	Lipid profiles and marker enzymes in alcoholic hypertensive patients with/without diabetes	BioMedRx 1 (4), 418-421, 2013	
63.	<b>Malarvili, T.</b> , RM.Veerappan and V. Hazzena Begum.	Effect of <i>Achyranthes aspera</i> seeds on lipid profiles in selected tissues of rats fed with high doses of fructose.	Journal of Pharmacy Research, 4(6):1769-1771. (2011).	ISSN: 0974-6943
64.	Muthukkumarasamy, S. Udayakumar, R., Balasundaram, M., <b>Malarvili, T.</b> and Murugantham, C.	Phytochemical and antimicrobial studies of <i>Oldenlandia corymbosa</i> L.	Res. J, Bio, Sci, II (2):42-46. (2010).	
65.	Kalyani, T. <b>Malarvili,</b> and T.Manivasagam	Protective effect of epigallo catechin gallate against oxidative stress induced alcohol in experimental rats.	Res, J, Bio, Sci., II (2):10-19. (2010).	
66.	N.Gomathi, <b>T.Malarvili,</b>	Effect of <i>Hibiscus rosasinensis</i> on carbohydrate metabolizing enzymes in monosodium glutamate induced obesity in female rats	J. cell, tis, Res, 9 (3), 1969-1974. (2009)	
67.	<b>T. Malarvili,</b> N. Gomathi	Effect of <i>Achyranthes aspera</i> (Linn) seeds on redox and oxidative status in plasma and selected tissues of rats fed with high dose of fructose,	Biosci, Biotech, Res, Asia, 6 (20), 659-664. (2009)	<a href="https://www.scopus.com/sourceid/5100152606">https://www.scopus.com/sourceid/5100152606</a> ISSN:0973-1245
68.	E. Senthil, <b>T. Malarvili</b>	The protective action of <i>Dolichous biflorus</i> L. in fructose fed rats	J. cell, tis, cult., 9 (2), 1827-1830. (2009)	
69.	N.Gomathi, <b>T.Malarvili,</b> R. Mahesh, V.Hazzena begum	Lipid lowering effect of <i>Hibiscus Rosasinensis</i> flower petals in monosodium glutamate induced obese rats	Pharm. Online, 1:400-409. (2008)	<a href="https://www.scopus.com/sourceid/5800179590">https://www.scopus.com/sourceid/5800179590</a> ISSN:1827-8620
70.	S.Arun, R.Thirumurugan, R.Visakan, S.Balamurugan, R.Arivazhagan, P. Subramanian, J. Prince Vijeya Singh, <b>T.Malarvili</b>	Toxicity induced biochemical modulations and phase II Xenobiotics conjugating enzymes (GST) IN <i>Oreochromis Mossambicus</i>	Asian Jr. of Microbiol. Biotech and Envi Sci., 2 (3-4): 225-230, (2000)	ISSN: 0972-3005

### Events organized as leading roles

1. Organized a ICMR sponsored National symposium on scope and opportunities in Medicinal Plant Research held on March 2<sup>nd</sup> to 4<sup>th</sup>, 2005. J.J. College of Arts and Science, Bharathidasan University, Tiruchirappalli, India.
2. Organized a TNSCST sponsored National conference on Prospects and challenges of Green Medicine in Health security of Rural Population held on August 7<sup>th</sup> & 8<sup>th</sup> 2008. J.J College of Arts and Science, Bharathidasan University, Tiruchirappalli, India.
3. Organized a DST sponsored National conference on Advances in Nanotechnology Emphasis on Environmental Health and Therapeutics held on August 6<sup>th</sup> & 7<sup>th</sup> 2009. J.J College of Arts and Science, Bharathidasan University, Tiruchirappalli, India.

4. Organized a ICMR sponsored National Conference on “Advances in the Management and Prevention of Clinical Disorders due to Malnutrition”, at Rajah Serfoji Govt College, Thanjavur. On 7<sup>th</sup> and 8<sup>th</sup> February 2013.
5. Organised a Voluntary Blood donation Camp at Bharathidasan University on 28.09.2018 Conducted by Tamilnadu Aids Control Society and State Blood Transfusion Council

**CONFERENCE /SEMINAR ATTENDED:22**

**PAPER PRESENTED:24**

**WORKSHOP ATTENDED:13**

**ORIENTATION COURSE :1**

**FDP: 3**

**REFRESHER :1**

### ADMINISTRATIVE EXPERIENCE

College/University/Institution:

Duties / Responsibilities	Post held	Institution	Period	
			From	To
College Council, Admission Committee, Staff Selection Committee, Library Advisor Committee, Research Committee IQAC Grievance Redressal Cell Editorial Board of the college Annual Magazine Counsellor to the inmates of the Women’s Hostel	Head, Department. of Biochemistry	J.J. College of Arts and Science, Sivapuram Pudukkottai	22.1.1994	25.02.2011
College Council, Admission Committee, Library Advisor Committee, Research Committee IQAC Grievance Redressal Cell Editorial Board of the college Annual Magazine	Principal	Bharathidasan University Constituent College,Orathanadu & Srirangam, Tiruchirappalli	05.07.2017  05. 05 2019	04.05.2019  23.12.2023

### Conference/Seminar/Workshop attended as resource person:

1	In-Service Training Programme for Secondary Grade Science Teachers, Tamil Nadu State Council for Science and Technology, Chennai, JJ. College of Arts and Science, Pudukkottai
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	from 22.11.2010 to 26.11.2010.
2	Delivered Guest lecture on Phototherapeutics in Obesity, Shrimathi Indira Gandhi College, Tiruchirappalli, on 22.07.2011
3	UGC NET/SLET Coaching for College Students, Government Arts College, Kumbakonam on 24.06.13
4	Delivered Guest lecture on Metabolic interrelationship in Obesity, Dhanalakshmi Srinivasan College of Arts and science, Perambalur on 25.09.2014
5	Delivered Guest lecturers in State level seminar on Anti-obesity Potential of medicinal plants, Rabiammal Ahamed maiden college for women ,Thiruvarur on 22.1.2015
6	Delivered Guest lecture on Health Implications of Fructose Consumptions – A Science based discussion on 4.01.2017, Sengama Thayar Educational Trust, Manargudi
7	Delivered Guest lecture on Journey through the Endocrine system on 13.02.2017, Bharathidasan University Constituent College for Women, Orathanadu.
8	Act as chairperson on Healthcare and Biotechnology in India: Emerging Trends and Challenges 17.08.2017 A.V.V.M. Sri pushpam College, Poondi.
9	Delivered Guest lecture on Therapeutic efficacy of medicinal plants in treatment of Obesity, Enathi Rajappa College, Pattukottai on 18.09.2017
10	Act as a Chair person on National Seminar on Herbal Drug Development 22.09.2017 Sengamal Thayaar Educationsl Trust Women’s College, Mannargudi.
11	Acted as resource person on 28.09.2017 in Special Camp for NSS at Government Girls High School, Orathanadu, delivered a speech on “Environmental Protection”.
12	Delivered Special lecture on New insights in endocrinology, 31.01.2018 J.J. College of arts & Science, Pudukkottai.
13	Delivered inaugurate and special address on International seminar on environmental issues and protection held on 15 <sup>th</sup> and 16 <sup>th</sup> feb 2018. Marudhupandiyar College, Thanjavur.
14	Acted as a Resource person on 19.07.2018 at Seetha Lakshmi Ramasamy College, Tiruchirappalli for Association Meeting Conducted by Department of Botany.
15	Acted as Chairperson on International Conference on Cancer Inferno and its Prevention Strategies on 22.02.2019 at PG Department of Biochemistry Periyar EVR College, Tiruchirappalli
16	Acted as a Resource person on Inter National Conference on Novel approaches in cancer research and Therapy on 26.09.2019 at Sengamal Thayaar Educationsl Trust Women’s

	College, Mannargudi.
17	Acted as a Resource Person to conduct “TRAINING OF YOUTH ON CLEAN VILLAGE-GREEN VILLAGE” for raising awareness among student and public. On 17.12.2021 organized by Nehru Yuva Kendra and Vivekananda Social Service Organisation at Navalurkutappattu.
18	Acted as a Resource person for “Training On Diet and Lifestyle Modifications to combat Polycystic Ovary Syndrome Among SC/ST Adolescent girls in Tiruchirappalli” on 16.03.2022 at Srimathi Indhira Gandhi College for Women, Tiruchirappalli sponsored by Rajiv Gandhi national Institute of Youth Development
19	Acted as a Resource person for “International Conference on Phytotherapeutics” on 10.02.2023 at Sengamala Thayar Educational Trust
20	Acted as a Resource person in 30 days internship programme for college students, (“Women Empowerment “ on 07.02.2023) Organized by Department of women studies , Bharathidasan University, kajamalai campus, Tiruchirappalli

### Presided Over

1.	Presided over a “Youth Empowerment Programme for New India and 150 <sup>th</sup> year Mahathma Gandhi Birth anniversary” on 28.12.2018 conducted by Nehru yuva Kendra, Social Health Empowerment and Red Ribbon Club, Orathanadu, at Bharathidasan Constituent College for Women, Orathanadu.
2	Presided over a Special outreach programme on “National youth day-Vivekananda’s Jayanthi, National Vcter’s Day and Swachh Bharath Mission” at Bharathidasan Constituent College for Women, Orathanadu on 08.01.2019 conducted by Social Health Empowerment, Thanjavur and Youth Red Cross, Orathanadu
3	Presided over a “Sexual Harassment of Women at Workplace” on 30.01.2019 conducted by Internal Complaints Committee and Social Health Empowerment at Bharathidasan Constituent College for Women, Orathanadu.
4	Presided over a sports day programme on 26.02.2019 conducted by Nehru yuva Kendra and Social Health Empowerment, Thanjavur at Bharathidasan Constituent College for Women, Orathanadu.

5	Presided over a seminar on “Sanga Illakiyathil Alapedai Chorkal” on 16.07.2018 Conducted by Central Chemozhi Tamil Research, Chennai and Bharathidasan Constituent College for Women, Orathanadu
6	Presided over a Two days’ Workshop for Fisher Women and Young fishermen on 7 <sup>th</sup> and 8 <sup>th</sup> February 2019 and given key note address on Environmental protective act 1986
7	Bharathidasan University Constituent Arts and Scienc College (IQAC), Trichy-27 in MOU with Cauvery College for Women(Autonomus) jointly organized an "Orientation Programme on NAAC - Revised Accreditation Framework" to the faculty of the college on 6.3.2020.

### **Distinguished Positions Held**

1. Member University level NSS Advisory Committee ,Bharathidasan University-2019-2022
2. Member Senate ,Bharathidasan University, June 2017- December 2022
3. Advisory Committee Member in One day International Conference on “New Vistas In Life Sciences” Organized by the PG department of Biochemistry, Holy Cross College, Autonomous Tiruchirappalli on 11.09.2018

Position	Location	Period	
		From	To
Served as subject expert in screening and evaluation committee for CAS	Government Arts College (autonomous) Kumbakonam	28.01.2022	Till date
Member in Board of Studies B.Sc., M. Sc., and M.Phil.	1.Bharathidasan University, Trichy (4 Alternative periods)	June 2008	Till date
	2.Alagappa University	2017	2020
	3.Government College Kumbakonam	2013	2015
	4.J.J.College of Arts and Science, Pudukkottai	Dec 2014	28.01.2022
	5.Holy Cross College, Trichy	2009 2012	2010 2013
	6.Srimad Andavar College of Arts and Science, Trichy	2014	2015
	7. Tamil University, Thanjavur	04.5.2017	Till date
Member - commission for course affiliation	Bharathidasan University, Trichy	2004	2013
Chairman in Board Question Paper Setting & Valuation (UG & PG)	Alagappa University, Karaikudi.	June 2007	2019
Chairman in Valuation Board (PG)	Bharathidasan University, Trichy	Nov 2016	-
Member IEAC	IAEC in Tamil University, Thanjavur	May 2007	Till date

Member in Question Paper Setting and Valuation	Various Universities and Autonomous Colleges	April 1990	Till date
Chairman in IEAC	J.J. College of arts & science, Pudukkottai	Jan 2002	25.02.2011
Associated Editor of the Journal, the Research Journal of Biological Science	J.J. College of arts & science, Pudukkottai	Jan 2007	25.02.2011
Coordinator of the Women Empowerment Wing	J.J. College of arts & science, Pudukkottai	July 2005	25.02.2011