

PROFILE

Name **Dr. FLORIDA TILTON**
Designation **Joint Director - Research**
Unit **Research and Development Wing**
Affiliating Institution **Sree Balaji Medical College and Hospital
(SBMCH) - BIHER, Chennai-600 044
Tamil Nadu, India.**



E-mail

Contact number

Details	Google Scholar	Scopus	Web of Science
Total citations	22	19	
h-index	3	3	
i10-index	0		

Total Impact Factor:

Education Qualification				
S. No	Institute, Place	Degree	Year	Specialization
1.	University of Madras, Chennai	Ph.D.	2013	Botany
2.		M.Phil.	1995	Botany
3.		M.Sc.	1993	Botany
4.		B.Sc	1991	Botany
5.	Bioinformatics Institute of India, New Delhi	PGDBI	2003	Bioinformatics

Academic Experience			
S. No	Institute, Place	Designation	Period
1.	SBMCH, Chennai	Joint Director, Research	Sept, 2018 – Till date

2.	Biozone Research Technologies Pvt. Ltd., Chennai	Founder Chairperson & Managing Director	Apr, 2008 – Till date
3.	Biozone Diagnostics, Chennai	Laboratory Director	Aug, 2020 – Till date
4.	Tamil Nadu State Forest Research Institute, Kolapakkam, Chennai	Project Consultant	Oct, 2017 – Till date
5.		Research Consultant	Oct, 2019 – Till date
6.	Shrimpex Biotech Services Pvt. Ltd.	Scientific Advisor	Jan. 2019 – May 2019
7.	V S Clinical Research and Hospital Pvt. Ltd. Chennai	Chief Consultant	Jun, 2017 – Dec, 2017
8.	Thomson Reuters (Intl.) Pvt. Ltd., Chennai	Analyst, Biosis	Jul 2007 – Mar 2008
9.	Hindustan College of Arts and Science, Chennai	Head, Department of Biotechnology and Bioinformatics	Jan 2004 – June 2007
10.	Centre for Biotechnology, SPIC Science Foundation (SSF), Chennai	Scientific personnel-A1	Oct 2000-Aug 2003
11.		Senior Research Fellow	1999 - Sep 2000
12.		Research Assistant	1996-1999

Publications –Articles		IF	Citation
	Suguna E, Chitralkha Saikumar, Florida Tilton . Cytogenetic Prognostication of Acute Myeloid Leukemia (AML) from a Tertiary care Hospital in Chennai. Medical science journal. 2021 25(116): 2595-2601	-	-
	Florida Tilton , Shanmughasundar D, Aneesh Nair, Bindu D, Chitralkha Sasikumar, Johnson WMS, 2018. Inhibition of AcrB efflux pump in multidrug- resistant gram- negative bacteria by herbal extracts. International Journal of Research in Pharmaceutical Sciences, Volume 9, Issue 4.	-	-
	A. Afrose Banu, V. Anuradha, Aneesh Nair and Florida Tilton . Anti-Microbial Assay of Stevia rebaudiana (Bertoni) Leaf Extracts Against Different Pathogens. Res. Jr. of Agril. Sci. (2021) 12: 2024–2028	-	-

Rachinnth Ravichandran, Akash Lashmanasamy , Akash Vinayagam, Aneesh Nair, Florida Tilton . 2021. Estimation of apoptosis-inducing compounds present in <i>Gomphrena globose</i> L. by molecular docking. <i>Journal of Bioscience and Biotechnology</i> . Vol. 10 No. 1	-	-
Krishna Battula Vamsi , Theboral J. Glory, Tilton Florida , Nair Aneesh, Loganathan Rekha and Pratheep Thangaraj. 2020. Gene expression analysis of EGFR and PI3K genes in A549 lung cancer cell line treated with <i>Withania somnifera</i> root extract. <i>Research Journal of Biotechnology</i> . Vol. 15 (2) February (2020)	-	1
Karthik C, Anand K, Athishparsuram SB, Aneesh Nair, Florida Tilton . 2020. An Enhanced Fish Feed Supplemented with Probiotics and Spirulina Formulation for Commercial Production. <i>Research & Reviews: A Journal of Microbiology and Virology</i> . Vol 10, No 2		-
Mujeera Fathima, Zulekha Subhani and Florida Tilton , 2019. Exploitation of Biofertiliser Pellets using Gunapaselam for Organic Farming. <i>Indian J. of Ecology</i> , 46(7): 175-177		-
S.B.Nasrin Fathima , Dr.R.Pandian and Florida Tilton . Comparative Study of Antioxidant Properties and Cytotoxic effect of Three Different Plants of Myrtacea Family. <i>International Journal of Scientific & Engineering Research</i> , Volume 6, Issue 8, August-2015	-	-
Gnanamani, I., Padmaja, M. and Florida Tilton , 2018. Comparison of stress enzymes level in <i>Penaeus semisulcatus</i> species collected from four accessions. <i>Asian Journal of Science and technology</i> . Vol.9, Issue 03	-	-
Gnanamani, I., Padmaja, M. and Florida Tilton , 2018 Mitochondrial COI gene barcoding of <i>Penaeus semisulcatus</i> collected from four accessions. <i>International Journal of current research</i> . Vol.10, Issue 07.	-	-
AkashEmanuel,M.J. AnntoFerrah,S.B. Anthisparsuram,C.Leena, Aneesh Nair and Florida Tilton . 2018. Inhibitory potentials of selected Indian medicinal plants against drug resistant <i>Pseudomonas aeruginosa</i> and <i>Escherichia coli</i> . <i>International Journal of Pharmaceutical Research</i> . Vol 10. Issue 3. Page No. 552	-	-
Renuka A, Aisha Sithika S, D ShanmugaSundar, Aneesh Nair, Florida Tilton . 2018. Anti biofilm activity of Terminaliachebula fruit extracts against oral pathogens. <i>International Journal of Pharmaceutical Research</i> . Vol 10. Issue 3. Page No. 547	-	-

Balamurugan TSB, Gunanidhi M, Raja I, Dr. Vinothkumar D, Dr. Ramesh Babu NG, Sumathi S, Aneesh Nair, Florida Tilton . 2017. Antidiabetic potential of various traditional medicinal plants and in silico Validation. European Journal of Biotechnology and Bioscience. Volume 5; Issue 2, Page No. 34-40.	-	-
Aneesh Nair, MujeeraFathima, Florida Tilton . 2017. DNA barcoding of medical pteridophyte <i>Selaginelladelicatula</i> from Western Ghats of kerala. International Journal of Current Research Vol. 9, Issue 05, pp.50887-50890	-	-
Aneesh Nair, MujeeraFathima, Florida Tilton . 2016. Antioxidant potentials of endomycophytes isolated from <i>Adiantum sp.</i> , Volume 2, Issue 11, E-ISSN NO : 2455-295X	-	
Kalangi Lakshmi Priya, Florida Tilton . 2016. <i>Insilico</i> interaction analysis of herbal bioactive molecules with penicillin binding protein in <i>Staphylococcus aureus</i> . Asian Journal Of Pharmaceutical and Clinical Research, Vol 9, Issue 2, 44-47	-	
Helen Mary L, Florida Tilton . 2016. DNA barcoding for molecular characterization of a medicinal plant – <i>Citrulluscolocynthis</i> .Der Pharmacia Lettre, 8 (4):304-309	-	1
C. Balachandran, V. Duraipandiyar, N. A. Al_Dhabi, A. Stalin, K. Balakrishna, S. Ignacimuthu and F. Tilton . 2015. Isolation and Characterization of Anthraquinone from <i>Streptomyces</i> sp. ERINLG_26 with Anticancer Activity against Adenocarcinoma Cell Line COLO3201. Applied Biochemistry and Microbiology. Vol 51, Issue 5, pp. 522-529	0.88	-
Deepa Philip, Kaleena P. K., Valivittan K., Florida T. 2015. Induction of Apoptosis By Caspases In The Leaves Of <i>Sansevieriaroxburghiana</i> Schult and Schult. F. World Journal of Pharmaceutical Research. Vol. 4, Issue 2, pp. 1471-1476	-	-
Helen Mary, Lakshmi, Florida Tilton, Jerrine Joseph, S. Siddhartha Solosan and D. Sudarsanam. 2014. Phytochemical screening and antioxidant properties of <i>Cucurbitadigitata</i> , International Journal of Pharmacy and Pharmaceutical Science .6(4)353-356	-	3
Florida Tilton , Nirmal Kumar, P. and Lakshmi Priya, K. 2014. Screening of Plants for Anti-Quorum Sensing Potentials against biofilm producing Gram Negative Bacteria. Asian Journal of Science and Technology. Vol. 5, Issue 6, pp. 375-377	-	-

Florida Tilton , P. C., Kunthavai and Lakshmipriya, K. Inhibitory potentials of selected medicinal plants against biofilm forming bacteria. 2014. International Journal of Development Research. Vol. 4, Issue, 6, pp. 1312- 1315	-	-
Florida Tilton , AkshayaPuthanpurayil and Lakshmi Priya, K.2014. <i>Insilico</i> Interaction Analysis of Herbal bioactive molecules with Biofilm associated Gene rfaD in <i>Escherichia coli</i> . International Journal of Current Research. Vol. 6, Issue 6, pp. 7271-7277	-	-
Sheeba, T. J., Manu Thomas Mathai, Aneesh Nair and Florida Tilton . 2014. Molecular taxonomy and genetic diversity analysis of <i>Thereapetiveriana</i> L. Asian Journal of Science and Technology .Vol. 5, Issue 4, pp. 281- 284	-	-
Sheela S, Jayasurya Kingsley, Flora Rayappan and Florida Tilton . 2014. Molecular detection of ESBL genes in antibiotic resistant <i>Aeromonashydrophila</i> isolates. <i>J. Pure Appl. Microbiol.</i> 8(3)	-	7
Florida Tilton , Lakshmi Priya K and Aneesh Nair. 2014. <i>Insilico</i> Metabolic Pathway Analysis for Potential Drug Target in <i>Campylobacter Jejuni</i> . <i>International Journal of Healthcare and Pharmaceutical Research</i> , 3(3): 029- 032	-	-
Florida Tilton ,Aneesh Nair and Lakshmi Priya K. 2014. Antimicrobial Activity and Molecular Characterization of Endomycophytes from <i>Todalliaasiatica</i> Leaves. <i>International Journal of Biological and Biomedical Sciences</i> , 3(3): 38-040	-	-
AneeshNair,Kiruthika,D., Dheebea, B. and Florida Tilton . 2013.Cytotoxic Potentials of <i>Orthosiphonstamineus</i> leaf extracts against pathogenic bacteria and colon cancer cells. <i>Asian Journal of Science and Technology</i> . 4(11): 235 -239	-	-
Florida Tilton , Aneesh Nair, Maanyramanan and Suganya Devi, V.2014. Bioassay Guided Characterisation of Endomycophytes from <i>Barringtoniaacutangula</i> L. Leaves. <i>International Journal of Development Research</i> . 4(2):384 – 387	-	-
Florida Tilton , AneeshNair,H.Mumdhaj and Dheebea B. 2014. Inhibitory Potentials of <i>Tinosporacordifolia</i> Leaf extracts against pathogenic bacteria and colon cancer cell line. <i>International Journal of Advanced Research in Biotechnology</i> . Vol. 2(12): 027 - 030	1.68	-
Jancy Rani. J, Sam manohar Das S, Flora Rayappan and Florida Tilton . 2013. Chlorpyrifos degrading capacity of microbes from farm soil and their genetic diversity. <i>Journal of basic and applied biology</i> , 7(1): 268-275	-	-

T. Mathangi, P. Prabhakaran, Flora Rayappan and Florida Tilton . 2013. Isolation, molecular characterization and antibiogram of bacteria from Diabetic foot ulcers. <i>Int. J. Curr. Res. Aca. Rev.</i> 1(1): 17-25	-	7
ShahithaSikkandar, KasiMurugan, Flora Rayappan, Aneesh Nair and Florida Tilton . 2014. <i>Halophilic bacteria</i> a potent source of carotenoids with antioxidant and anticancer potentials. <i>J. Pure Appl. Microbiol.</i> 7(4): 2825-2830	-	9
ShahithaSikkandar, M. Kasi, Aneesh Nair and Florida Tilton . 2013. Molecular authentication and genetic diversity analysis of <i>Haloferoxvolcanii</i> and <i>Halobacteriumsalinarium</i> from salt brines. <i>Asian J. Pharm. Clin. Res.</i> 6(3): 158-160	-	1
V. SudarshanaDeepa, P. Suresh Kumar, B. Vadivukkarasi and Florida Tilton . 2013. Molecular docking studies on selected phytochemicals from different <i>Andrographis</i> against PPAR- γ and C/EBP- α receptors for type- 2-diabetes. <i>Asian J. Pharm. Clin. Res.</i> 6(2): 196-199	-	4
MujeeraFathima, Aneesh Nair and Florida Tilton . 2013. Anti-cancer potentials of <i>Mukiamaderasapatana</i> (linn) M. roem leaf extracts against Colo320 cells. <i>Int. J. Curr. Res.</i> 5(2): 409-412	-	-
S. Sheela, S. Jayasurya Kingsley, B. Vadivukkarasi and Florida Tilton . 2013. Molecular modeling and docking of Aheabc efflux pump in <i>Aeromonashydrophila</i> . <i>Asian J. Pharm. Clin. Res.</i> 6(1): 136-139	-	-
MujeeraFathima and Florida Tilton . 2012. Phytochemical analysis and antioxidant activity of leaf extracts of <i>Rivinahumilis</i> L. <i>Int. J. Curr. Res.</i> 4(11): 326-330	-	-
S. Sheela, S. Jayasurya Kingsley, V. Aravindan and Florida Tilton . 2012. Screening for virulence gene markers in clinical <i>A. hydrophila</i> isolates from Southern Chennai (India). <i>Int. J. Curr. Res.</i> 4(11): 321-325	-	-
M. Florida, Aneesh Nair and T. Sekar. 2012. Apoptotic induction by leaf extracts of <i>Barringtoniaacutangula</i> L. and <i>Stereospermumcolias</i> L. in Colo320 cells. <i>Int. J. Curr. Res.</i> 4(7): 130-133	-	2
K. J. Uma Devi, V. Vanitha, K. Vijayalakshmi, Florida Tilton . 2011. Determination of bioactive components of <i>Aeglemarmelos</i> L. leaves by GC-MS analysis. <i>Indian Streams Res. J.</i> 10(11): 1-4	-	-

Projects	
1.	<p>Screening of <i>CYP11A1</i> Gene & FTO Gene Polymorphisms and its association with Polycystic Ovarian Syndrome (PCOS) in South Indian Tamil Population by TETRA-ARMS PCR Method</p> <p>Joint Collaborative project - SBMCH & BIOZONE (Internal funding)</p>
2.	<p>PI for BIHER (RDF) – Development of phytoformulation with immunomodulatory and anti-inflammatory activities for covid-19 management</p>
Government funded project	
1.	<p>PI for TNSCST – S&T Project on Development of TETRA ARMS PCR based cost effective, rapid diagnostic method for screening obesity & Diabetic linked gene polymorphism in Polycystic ovarian syndrome (PCOS) among South Indian Tamil Population</p>
Other projects	
	<p>PI for DBT-BIRAC grant under “SBIRI” scheme for project titled “Novel quorum sensing inhibitors against biofilm forming bacteria”</p>
	<p>PI for MSME grant under “Support for Entrepreneurial and Managerial Development of SMEs through Incubators for Gol assistance” for project titled -Rapid Miniaturised media kit for contaminants detection</p>
	<p>Consultant for Tamil Nadu State Forest Department grant under “TANII” scheme for “Generation of molecular markers in <i>Terminalia chebula</i> for genetic & phytochemical marker assisted selection of elite clones “.</p>
	<p>Consultant for Tamil Nadu State Forest Department grant under “TANII” scheme for “Whole transcriptomics and metabolomics of an elite clone of <i>Syzygium jambolanum</i>, an antidiabetic medicinal plant”</p>
	<p>Consultant for Tamil Nadu State Forest Department grant under “TANII” scheme for “Development of Novel expression markers to aid in the screening of tamarind genotypes for superior fruit characteristics.”</p>
	<p>Co-PI for Tamil Nadu State Forest Grant under Collaborative Project Scheme titled “Plant-microorganism association as a model to enhance drought tolerance in crops for Agroforestry”.</p>
	<p>Co-PI for Tamil Nadu State Forest Grant under Collaborative Project Scheme titled “Isolation and molecular characterization of xylanase and cellulose producing bacterial strains from Pichavaram mangroves and other forest areas for rapid composting of high-lignin containing leaf litter and woody wastes.”</p>

PI for Tamil Nadu State Forest Grant under Collaborative Project Scheme titled “Bacterial disease management by microbial eco-friendly approach for forestry with special reference to Bamboo”
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Additional Positions Held

- ❖ *Bharath Institute of Higher Education and Research, Chennai*
PhD Supervisor
- ❖ *Advanced Institute of Wildlife Conservation, Chennai*
Adjunct faculty
- ❖ *Sree Balaji Medical College and Hospital Pvt. Ltd., Chennai*
Ethical Committee Member
- ❖ *Institutional Ethical Committee, Saveetha Dental College, Chennai*
Chairperson
- ❖ *Department of Pharmacology, Saveetha Dental College, Chennai*
Distinguished Adjunct Faculty
- ❖ *Madras Christian College, Chennai*
Advisory Board member, Board of studies, Department of Botany
- ❖ *Stella Marris College, Chennai*
Advisory Board member, Board of studies, Department of Plant Biotechnology
- ❖ *Women's Christian College, Chennai*
Advisory Board member, PG Board of studies, Dept's of Biotechnology & Zoology
- ❖ *School of Bio Sciences and Technology, VIT University, Vellore*
Doctoral Committee Member
- ❖ *Sathyabama University, Chennai*
Doctoral Committee Member
- ❖ *Centre for Distance Education, Bharathidasan University, Trichy*
Research Advisor for M.Phil in Biotechnology
- ❖ *Vinayaka Missions' Research Foundation Deemed University, Salem*
Research Advisor for M.Phil studies
- ❖ *Alpha Arts & Science College, Chennai*
Advisory Board member, Board of studies, Department of Biotechnology
- ❖ *Dr. G.R Damodaran College of Science, Coimbatore*
Advisory Board member, Board of studies, Department of Biotechnology
- ❖ *Nehru Group of Institutions, Coimbatore*
Advisory Board member, PG Board of studies, Department of Bioinformatics

❖ *DKM College for Women, Vellore*

Advisory Board member, PG Board of studies, Department of Bioinformatics

