

# RESUME



**Name: Dr.T.Pushpanathan**  
**Designation: Assistant Professor**  
**Department: Zoology**  
**Address: 1/3, Periyar Nagar via Road, North High Ground Road,**  
**Palayamkottai-627 003.**

## PERSONAL DETAILS

Date of Birth : 08.05.1981  
Qualification : M.Sc., M.Phil., Ph.D.  
Designation : Assistant Professor  
Department : Zoology  
Community : M.B.C  
Religion : Hindu  
Nationality : Indian  
Mobile : +91 9943288858  
Email ID : tpushpanathan@gmail.com

**ACADEMIC QUALIFICATIONS**

Degree	Specialization	College	University	Year of Passing
B.Sc	Zoology	Thiru. Vi. Ka Govt Arts College, Thiruvavarur	Bharathidasan University	2001
M.Sc	Zoology		Annamalai University	2003
M.Sc	Bioinformatics		Bharathiyar University	2014
M.Phil	Zoology		Annamalai University	2005
Ph.D	Zoology		Annamalai University	2009

**ACADEMIC IDENTITY**

*VIDWAN ID	
*ORCID ID	
*SCOPUS ID	
*RESEARCHER ID/ PUBLONS ID	
GOOGLE SCHOLAR LINK	<a href="https://scholar.google.com/citations?user=Jxrxj2UAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=Jxrxj2UAAAAJ&amp;hl=en</a>

**TEACHING EXPERIENCE**

<b>Date of Appointment</b>	18.06.2012
<b>Date of Retirement</b>	18.06.2041
<b>Teaching Experience</b>	UG : 10 years
	PG : 10 years
	M.Phil : 2 Years
<b>Research</b>	Guided M Phil: 2 Guided Ph D: - Guiding Ph Scholar: 2

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	

M.Sc Zoology	Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Tiruchirapalli (Dt).	16/06/08	11/06/2010	Two
B.Sc Zoology and M.Sc Zoology	St.Xavier's College (Autonomous), Palayamkottai-627002.	16/06/2010	15/04/2012	Two

AWARDS RECEIVED	
1.	
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ADMINISTRATIVE EXPERIENCE			
S. No	DESIGNATION	INSTITUTIONS	YEAR
1	Deputy Warden	Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Tiruchirapalli (Dt).	Two

MEMBERSHIP		
S. No	Designation	Particulars
1.		
2.		
3.		

4.		
5.		

<b>ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE ( )</b>			
<b>S. No</b>	<b>Name of the Training</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	Orientation Programme	UGC	Bharathidasan University, Tiruchirapalli. 18.05.2018 to 14.06.2018
2	Faculty Development Programme	Teaching and Learning Centre, Ramanujan College, University of Delhi	Online - 01.06.21 to 07.06.21
3	Faculty Development Programme	Teaching and Learning Centre, Ramanujan College, University of Delhi	Online - 30.06.21 to 06.07.21
4	Refresher Course	Teaching and Learning Centre, Ramanujan College, University of Delhi	Online - 15.07.21 to 29.07.21

<b>DETAILS OF RESEARCH WORK</b>		
<b>Research Stages</b>	<b>Title of the Thesis</b>	<b>University where the work was carried out</b>
M.Phil	Larvicidal and Repellent activities of selected plant essential oils on the mosquito Vector <i>Culex quinquefasciatus</i> SAY	Annamalai University
Ph.D	Mosquitocidal, repellent and oviposition-deterrent activity of selected plant essential oil against vector mosquitoes	Annamalai University

<b>AREAS OF RESEARCH</b>
Medical Entomology
Mosquito control

RESEARCH PROJECTS CARRIED OUT			
S. No	Title of the Project (Minor)	Name of the Funding Agency & Amount	Duration

PUBLICATIONS				
BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
	4	8	8	12
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	

PUBLICATIONS: BOOKS (-)			
S. No	Title of the Book	Publication	Year

BOOK CHAPTERS (4)			
S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No
1	Mosquitocidal properties of plant extract: A Review. (2007)	Defeating the public enemy, the mosquito: A Real Challenge.	220-243
2	Repellent activity of essential oil of <i>Pelargonium graveolens</i> L.Herit against yellow fever mosquito <i>Aedes aegypti</i> Linnaeus. (2008)	Vectors-Borne Diseases: Epidemiology and control	ISBN: 978-81-7233-541-0 Pg.No: 129-133

3	Larvicidal activity of the extract of <i>Citrullus colocynthis</i> (L) Schred against vector mosquitoes (2008)	Vectors-Borne Diseases: Epidemiology and control	ISBN: 978-81-7233-541-0 Pg.No: 67-72.
4	Plant Constituent as Anti-cancer Drugs. (2020)	Drug Development for Cancer and Diabetes.	13: 978-1-77188-860-8 (Hardcover) 13: 978-0-42933-049-0 (eBook) Apple Academic Press, Canada. Pp. 43-58.

<b>PUBLICATIONS: SCOPUS INDEXED JOURNALS ( ) WEB OF SCIENCE ( )</b>			
<b>S. No</b>	<b>Title of the Paper</b>	<b>Name of the Journal</b>	<b>ISSN No., Volume, Issue, Impact factor &amp; Pg. No</b>
1	Larvicidal, ovicidal and repellent activities of <i>Cymbopogon citrates</i> Stapf (Graminae) essential oil against the filarial mosquito, <i>Culex quinquefasciatus</i> (say) (Diptera: Culicidae)	Tropical Biomedicine. (2006)	Online ISSN: 2521-9855. 23(2): 208-212
2	Mosquitocidal and repellent activity of the leaf extract of <i>Citrullus vulgaris</i> (Cucurbitaceae) against malarial vector, <i>Anopheles stephensi</i> Liston (Diptera: Culicidae)	European Review for Medical and Pharmacological Sciences. (2007)	Online ISSN: 2284-0729 Print ISSN: 1128-3602 12(1): 1-7 Impact factor: 3.784
3	Larvicidal and ovicidal activity of <i>Cassia fistula</i> Linn. leaf extract against filarial and malarial vector mosquitoes	Parasitology Research. (2007)	Online ISSN: 1432-1955 Print ISSN: 0932-0113 Impact factor: 2.383 (102): 289-292.
4	Studies on effect of <i>Acalypha indica</i> L. (Euphorbiaceae) leaf extracts on the malarial vector, <i>Anopheles stephensi</i> Liston (Diptera:	Parasitology Research. (2008)	Online ISSN: 1432-1955 Print ISSN: 0932-0113 Impact factor: 2.383 (103): 691-695.

	Culicidae).		
5	The essential oil of <i>Zingiber officinale</i> Rosc. (Zingiberaceae) as a mosquito larvicidal and repellent agent against the filarial vector <i>Culex quinquefasciatus</i> (Say) (Diptera: Culicidae).	Parasitology Research. (2008)	Online ISSN: 1432-1955 Print ISSN: 0932-0113 Impact factor: 2.383 (102): 1289-1291
6	Effect of bioactive fractions of <i>Citrullus vulgaris</i> Schrad. Leaf extract against <i>Anopheles stephensi</i> and <i>Aedes aegypti</i> .	Parasitology Research. (2008)	Online ISSN: 1432-1955 Print ISSN: 0932-0113 Impact factor: 2.383 (102): 951-955
7	Antibacterial activity of <i>Acalypha indica</i> L.	European Review for Medical and Pharmacological Sciences. (2008)	Online ISSN: 2284-0729 Print ISSN: 1128-3602 12(5): 299-3002. Impact factor: 3.784
8	Larvicidal and ovicidal activity of <i>Terminalia chebula</i> Retz. (Family: Combretaceae) medicinal plant extracts against <i>Anopheles stephensi</i> , <i>Aedes aegypti</i> and <i>Culex quinquefasciatus</i> .	Journal of Parasitic Diseases. (2017)	Online ISSN: 0975-0703 Print ISSN: 0971-7196 41(3):693-702.

<b>PUBLICATIONS: UGC LISTED JOURNALS ()</b>			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue, Impact factor & Pg. No

<b>PUBLICATIONS: OTHER INDEXED JOURNALS ()</b>			
S. No	Title of the Paper	Name of the Journal	ISSN No., Volume, Issue,

			Impact factor &Pg.No
1	Larvicidal efficacy of three plant essential oils against the yellow fever mosquito <i>Aedes aegypti</i> Linn. (Diptera: Culicidae). <i>Insect Environment</i> .	Insect Environment (2006)	<b>12(2):</b> 55-56.
2	Bioactivities of the leaf extract of <i>Citrulus colocynthis</i> Schrad and <i>Cucurbita maxima</i> Duchesne (Cucurbitaceae) against the mosquito <i>Anopheles stephensi</i> Liston (Diptera: Culicidae).	Research Reviews in Biosciences. (2007)	<b>1(3):</b> 129-
3	Bioactivity of the leaf extracts of <i>Luffa acutangula</i> Roxb (Cucurbitaceae) against the mosquito <i>Aedes aegypti</i> (L). (Diptera: Culicidae).	Journal of Experimental Zoology India. (2007)	Print ISSN: 0972-0030 Online ISSN: 0976-1780 <b>10(1):</b> 165-167.
4	Mosquito larvicidal efficacy of extra cellular secondary metabolites of soil actinomycetes against the malaria vector, <i>Anopheles stephensi</i> Liston (Diptera: Culicidae).	Scientific Transactions in Environment and Technovation. (2008)	Online ISSN :2393-9249 Print ISSN: 0973-9157 <b>1(3):</b> 152-153.
5	Larvicidal efficacy of certain plant essential oils against <i>Culex quinquefasciatus</i> (Diptera: Culicidae)	Journal of Experimental Zoology India. (2008)	Print ISSN: 0972-0030 Online ISSN: 0976-1780 <b>11(1):</b> 159-160.
6	Mosquito larvicidal effect of extra cellular metabolites of fungi against the malarial vector, <i>Anopheles stephensi</i> Liston (Diptera: Culicidae).	Plant Archives. (2008)	Print ISSN: 2581-6063 Online ISSN: 0972-5210 <b>8(1):</b> 295-296.
7	Larvicidal, Ovicidal and repellent activities of <i>Pimphis acidula</i> Forst. (Lythraceae) against the filarial and dengue vector mosquitoes.	Academic Journal of Entomology. (2009)	Print ISSN : 1995-8994 Online ISSN : 2221-3430 <b>2(2):</b> 62-66
8	Investigations of antimicrobial and phytochemical analysis of <i>Argemone mexicana</i> medicinal plant extracts against bacteria with gastrointestinal relevance.	Asian Journal of Pharmaceutical and Clinical Research. (2014)	Online ISSN: 2455-3891 Print ISSN: 0974-2441 7(2): 93-97.
9	Comparison of the <i>Artemia salina</i> and <i>Artemia franciscana</i> bioassays for toxicity of Indian medicinal plants.	Journal of Coastal Life Medicine (2014)	Online ISSN: 2309-6152 Print ISSN: 2309-5288. 2(6): 496-500.

10	Ovicidal, oviposition deterrent and larvicidal response of <i>Anopheles stephensi</i> Liston, 1901 to <i>Lobophora variegata</i> Lamouroux, 1817 from Tuticorin coast, Gulf of Mannar, India.	Journal of Experimental Sciences. (2016)	Online ISSN: 2218-1768. 7: 20-26.
11	Ovicidal and larvicidal efficacy of <i>Crataeva magna</i> (LOUR.) Dc. (Family: Capparidaceae) against the <i>Anopheles stephensi</i> , <i>Aedes aegypti</i> and <i>Culex quinquefasciatus</i> .	International Journal of Pure and Applied Zoology. (2017)	Online ISSN: 2320-9585 Print ISSN: 2320-9577 4(2): 149-154.
12	Cytotoxic Activity of <i>Ziziphus mauritiana</i> (L.), <i>Solanum lycopersicum</i> (L.), And <i>Aerva lanata</i> (L.) Juss Leaf Extract using Brine Shrimp Lethality Assay	International Journal of Pharmacy and Biological Sciences. (2022)	Online ISSN: 2230-7605 Print ISSN: 2321-3272

<b>AS A RESOURCE PERSON ()</b>			
<b>S. No</b>	<b>Name of the Event</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	Young Student Scientist Programme for School children	Tamil Nadu state Council for Science and Technology	St. Xavier's College, May, 2014.
2	Creation of Scientific Awareness	Tamil Nadu state Council for Science and Technology	1 <sup>st</sup> December 2017, St.Xavier's College (Autonomous) Palayamkottai.
3	Short term course in Biostatistics		St. Xavier's College, Palayamkottai during 09-13 <sup>th</sup> July, 2018.
4	Insect Bioresources and Human Welfare		18 <sup>th</sup> to 31 <sup>st</sup> August, 2018 held at St. Xavier's College (Autonomous), Palayamkottai and handled SPSS for Profit Analysis.
5	Biopesticide International Conference	DST	Amity University, Raipur, Chhattisgarh/ 6-8 <sup>th</sup> March, 2019.

**WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP****PAPER PRESENTED: National ( ) International ( )**

<b>S. No</b>	<b>Name of the Event</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	National Symposium on Recent Trends in Environment and Biotechnology.	UGC	26-28, July, 2004. Department of Zoology and Biochemistry, Govt. College (Autonomous) Kumbakonam.
2	National seminar on Healthy environment For Next Generation		2 <sup>nd</sup> -4 <sup>th</sup> December 2004, P.G. & Research Department of Advanced zoology & Biotechnology, Loyola College, Chennai.
3	National seminar on Bio vision.	UGC	21 <sup>st</sup> - 22 <sup>nd</sup> January. 2005. Department of Zoology, Annamalai University, Annamalai Nagar.
4	National Seminar on Recent Trends in the Revitalization of indigenous practices for Better Health care of Animals	UGC	27 <sup>th</sup> – 28 <sup>th</sup> March, 2006. Division of Animal husbandry Faculty of Agriculture, Annamalai University, Annamalai Nagar.
5	National Conference on Microbial Biotechnology for Agriculture and Industry	UGC	28 <sup>th</sup> – 29 <sup>th</sup> March, 2006. Department of Microbiology, Faculty of Agriculture, Annamalai University, Annamalai Nagar.
6	8 <sup>th</sup> International symposium on vectors and vector borne diseases.	ICMR	13-15 Oct 2006. Center for research in medical entomology (ICMR) Madurai.
7	Repellent activity of <i>Cymbopogon citrates</i> Stapt (Graminae) leaf essential oil against mosquito <i>Culex quinquefasciatus</i> (Say) (Diptera: Culicidae)	Indian Science Congress	94 <sup>th</sup> Indian Science Congress January 3- 7, 2007, Annamalai Nagar.
8	National seminar on mosquito biodiversity and challenges in the control of mosquito-borne diseases.		Feb, 2007. P.G. & Research Department of Advanced zoology & Biotechnology, Loyola College, Chennai.
9	National seminar on Current Trends in Environment and Bio safety	UGC	8 <sup>th</sup> & 9 <sup>th</sup> March. 2008. Department of Zoology, Annamalai University, Annamalai Nagar-608002,
10	National conference on Biodiversity, Bio resources and Biotechnology for Sustainable Livelihood of Rural		18 <sup>th</sup> to 20 <sup>th</sup> , January 2008, Loyola College, Chennai

	Community.		
11	National seminar on “Life on edge: Concerns, Causes and Conservation,		18 <sup>th</sup> and 19 <sup>th</sup> February 2016. Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai-627002
12	National Seminar on Emerging Trends in Control of Vectors and Vector Borne Diseases.	ICMR	29 <sup>th</sup> and 30 <sup>th</sup> September-2016. Department of Zoology, Nehru Memorial College (Autonomous), Puthanampatti – 621 007, Tiruchirappalli District

<b>WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:</b>			
<b>S. No</b>	<b>Name of the Event</b>	<b>Name of the Sponsoring Agency</b>	<b>Place and Date</b>
1	Research Methodology Workshop		9 <sup>th</sup> to 12 <sup>th</sup> February, 2006. Organised by Department of Economics, Annamalai University, Annamalai Nagar-608002, Tamil Nadu.
2	National level training com workshop on GIS and Marine Biodiversity		26 <sup>th</sup> to 29 <sup>th</sup> February. 2008. Organized by PG and Research Department of Zoology and Biotechnology, Loyola College, Chennai-6000 034, Tamil Nadu.
3	4 <sup>th</sup> Practical Summer Training on Chromatography, Molecular Biology & Biophysics		June 01-09, 2011. Organized by School of Bio Science and Technology (SBST) VIT University, Vellore.
4	Summer Training on Geospatial Technologies and its Application	NRDMS, Department of Biotechnology. New Delhi	Department of Civil Engineering, PSNA College of Engineering and Technology. Dindigul.
5	National Symposium on Recent Trends in Applied Biology		January 28 <sup>th</sup> &29 <sup>th</sup> , 2004.Organized by Avinashilingam Institute for Home Science and Higher Education for Women-Deemed University, Ciombatore-641 043.
6	International conference on Bio diversity of Insects: Challenging Issues in Management and		30 <sup>th</sup> January - 3 <sup>rd</sup> February, 2006, Organized by Department of Zoology, Bharathiyar University,

	Conservation		Coimbatore- 641 046.
7	National conference on Animal Ethics and Welfare		28 <sup>th</sup> - 30 <sup>th</sup> March. 2008. Organized by Department of Zoology, DDE' Annamalai University, Annamalai Nagar
8	Seminar on Recent Trends in Chemical Signaling		2 <sup>nd</sup> February 2009. Department of Animal Sciences, Bharathidasan University, Tiruchirapalli.
9	International symposium on Insect Pest Management		Entomology Research Unit, St. Xavier's College (Autonomous), Palayamkottai on 23 <sup>rd</sup> to 25 <sup>th</sup> Feb 2011.
10	Biopesticide International Conference		St. Xavier's College (Autonomous), Palayamkottai. November 28 <sup>th</sup> -30 <sup>th</sup> , 2011.
11	Research Awareness Programme	DST, New Delhi	9 <sup>th</sup> March 2012, Sponsored by DST, New Delhi. Organized by Entomology Research Unit, St. Xavier's College (Autonomous), Palayamkottai.
12	Workshop on Statistical Package-SPSS	UGC	St. Xavier's College (Autonomous), Palayamkottai. 31st March 2012
13	National seminar on Biodiversity and Bioresources: A Fragile Balance		25 <sup>th</sup> and 26 <sup>th</sup> Feb 2013 held at St. Xavier's College (Autonomous), Palayamkottai.
14	Faculty Workshop on Competence Building	UGC	15 <sup>th</sup> and 16 <sup>th</sup> March 2013. Organized by St. Xavier's College (Autonomous), Palayamkottai.
15	Fourth Biopesticide International Conference	CSIR, DST	Crop Protection Research Centre, St. Xavier's College (Autonomous), Palayamkottai.
16	National conference on Recent Trends in Endocrinology		24 & 25 <sup>th</sup> February 2014. Department of Zoology, St. Xavier's College (Autonomous), Palayamkottai.
17	Seminar on Environmental Management	UGC	7 <sup>th</sup> March 2014, St. Xavier's College (Autonomous) Palayamkottai.
18	National Seminar on "Biodiversity and Conservation: Present Status and Future Perspective"		12 to 13 <sup>th</sup> February 2015, in Department of Zoology, St. Xavier's College (Autonomous) Palayamkottai.
19	National Seminar on "Innovation in Student-Centered Teaching – Learning Process in 21 <sup>st</sup> Century"	NAAC	29 <sup>th</sup> & 30 <sup>th</sup> January, Organised by Internal Quality Assurance Cell,

			St.Xavier's College (Autonomous) Palayamkottai.
20	Symposium on Rearing Multivoltine Silkmoth by adopting Innovative Technology	TNSCST	28 <sup>th</sup> August 2014, H.A.R.Howdia College, Uthamapalayam, Theni.
21	National Seminar on "Life on edge: Concerns, Causes and Conservation"		18 <sup>th</sup> & 19 <sup>th</sup> February, 2016, Organised by Department of Zoology, St.Xavier's College (Autonomous) Palayamkottai.
	International Conference on "Conservation of Natural Resources"		17 <sup>th</sup> September 2016. Organised by Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirapalli.
	Science Academics Lecture Workshop on "Frontiers in Life Sciences"		17 <sup>th</sup> & 18 <sup>th</sup> January 2017, Organised by Nehru Memorial College (Autonomous), Puthanampatti, Tiruchirapalli.
	Science Academics Lecture Workshop on "Genetics Today"		6 <sup>th</sup> & 7 <sup>th</sup> March, 2017, Organised by Department of Zoology, St.Xavier's College (Autonomous) Palayamkottai.
	Participated Two days' workshop on Excel and SPSS		Department of Zoology in collaboration with AIMST, University, Malaysia at St. Xavier's College, Palayamkottai on 8 <sup>th</sup> and 9 <sup>th</sup> January, 2018.
	Participated "ZOOCONG 18"		St. Xavier's College (Autonomous), Palayamkottai, Tirunelveli. 10-13 <sup>th</sup> January, 2018.
	Biopesticide International Conference		Amity University, Raipur, Chhattisgarh between 6-8 <sup>th</sup> March, 2019.
	National Conference on Vectors: Menace and Management – VECMAN 2020r		Department of Zoology, St. Xavier's College, Palayamkottai, 28-29 <sup>th</sup> January, 2020.

### COUNTRIES VISITED

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**EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES  
ATTENDED(NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)**


**Date: 16.08.2022**

**Name: Dr.T.Pushpanathan**