

## Profile of Dr.T.Angayarkanni



- (i) Designation : Associate Professor  
(ii) Department : Biochemistry  
(iii) Qualification : M.Sc, M.Phil, Ph.D  
(iv) Experience : 19 years  
(v) Specialization : Microbial Biotechnology  
(vi) Email id : angait73@gmail.com  
(vii) Mob No: 9791796508  
(viii) **Research Guidance** :

Degree	Awarded	Guiding
M.Phil	4	1
Ph.D	-	-

### (ix) Publications

S.No	Category	Total	For the Period (2013-2018)
1	International Journals	5	4
2	National Journals	1	1
3	In house	-	-
4	Full length articles in proceeding	2	1
5	National Conference	1	1
6	Books / Chapters in Books / Books Edited	1	1

**Best 5 Publications (2013-2018):**

<b>S.No</b>	<b>Title of the Article</b>	<b>Name of the Journal</b>	<b>I/N</b>	<b>ISBN/ISSN</b>	<b>Vol.</b>	<b>Pages</b>	<b>Date, Month and Year</b>
1.	Phytochemical screening, antioxidant activity and antimicrobial activity of <i>Allium tuberosum</i>	World Journal of Pharmaceutical research	International	2277-7105 IF-7.523		6(16)	2017
2.	Antimicrobial Efficacy of silver nano particles conjugated with <i>Ageratinaadenophora</i> leaf extract	Asia Pacific Journal of research	International	2320-5504 1.051	1	170 – 176	2015
3.	Effects of secondary metabolites status of <i>Bacillus</i> spp. on fungal pathogen <i>Alternaria alternate</i>	Asian journal of microbiology, Biotechnology and environmental sciences,	International	0972-3005		pp201 -204	2014
4.	Efficacy of talc-based formulations of <i>Pseudomonas fluorescens</i> on the management of leaf spot disease of <i>Stevia rebaudiana</i> Bertoni,	Helix	International	2319 – 5592	1	460 - 467	<b>2014</b>

### Sponsored Projects-In House Projects

In house Projects handled so far		Major Projects handled during (2013-2018)	
Nos	Financial Outlay	Nos.	Financial Outlay
1	Rs. 20000	-	-

### Details of the Projects (2013-2018):

S.No	Title of the Project	Funding Agency	Duration	Total Amount in Lakhs
	-	-	-	-

- (x) Seminars / Conferences / Workshops organized (2013-2018) : 9
- (xi) Seminars / Conferences / Workshops attended (2013-2018): 9
- (xii) Awards / Achievements / Recognitions (2013-2018) : -
- (xiii) Invited Talks (2013-2018) : -
- (xiv) Visits Abroad (2013-2018) : -
- (xv) Additional Responsibilities (2013-2018) : 9

### Publications

S.No	Authors	Title of the Article	Name of the Journal, Vol. Year, page No	ISSN No. and Impact Factor
<b>a) International Journal Publications:</b>				
1.	Angayarkanni.T, Divya and Santny.A.S,	Phytochemical screening ,antioxidant activity and antimicrobial activity of <i>Alliumtuberosum</i>	World journal of pharmaceutical research ,2017, 6(16)	2277-7105 SJIF 8.07

2.	Ramya.N, Mayuri.P.K, Santny.A.S, and Angayarkanni.T	Antimicrobial efficacy of silver nanoparticles conjugated with <i>Ageratinaadenophora</i> leaf extract.	Asia pacific journal of research, (Vol-1),2015,170-176.	2320-5504 IF-1.05
3.	Angayarkanni.T and Anithasub hash	Effects of secondary metabolites status of <i>Bacillus</i> spp. on fungal pathogen <i>Alternariaalternata</i>	Asian journal of microbiology, biotechnology and environmental science, 2014, pp201-204	0972-3005
4.	Angayarkanni.T ,Anithasub hash and Kamalakaran.A	Efficacy of talc-based formulations of <i>Pseudomonas fluorescens</i> the management of leaf spot disease of <i>Stevia rebaudiana</i> Bertoni,	Helix,(vol-1), 2014,460-467	2319 – 5592 IF- 1.46
5.	Angayarkanni.T, Anithasub hash and Kamalakaran.A	Antimicrobial compounds Production by <i>Pseudomonas fluorescens</i> and <i>Bacillus subtilis</i>	Asian journal of research in chemistry,2012,pp 61-64	ISSN 0974-4150
6.	Devi.A, Angayarkanni.T, Anithasub hash and Kamalakaran.A	Studies on the effect of <i>Bacillus subtilis</i> against leaf spot of <i>Stevia</i> , caused by <i>Alternaria alternate</i>	Plant archives,2010,pp107-111	0972-3005
7.	Santhini.E, Pradeepa.D, Angayarkanni.T, and Kamalakaran.A	Identification of biochemical markers for the selection of effective strains of <i>Pseudomonousfluorescens</i> against <i>Pythium spp</i>	Asian conference on emerging trends in plant microbe interaction .8.10.2005	

8.	Pradeepa.D, Santhini.E, Angayarkanni.T, and Kamalakaran.A	Antibiosis mediated suppression of soil borne fungal pathogens using <i>Pseudomonas fluorescences</i>	Asian conference on emerging trends in plant Microbe interaction .8.10.2005	
9.	Kamalakaran.A, Mohan.L, Harish.S, Radjacommane.R, Amutha.G, Chitra.K, Karuppiah.R, Mareeswari.P Rajinimala.N, and Angayarkanni.T	Biocontrol agents induce resistance in <i>Phyllanthus niruri</i> Linn against damping off disease caused by <i>Rhizoctonia solani</i> .	PhytopatholMediterr,(2004 )43,00-00	0031-9465
10.	Kamalakaran.A, mohan.L, kavitha.K, Harish.S, Radjacommane.R, Nakkeeran.S, Parthiban.V.K, Karuppiah.R and Angayarkanni.T	Enhancing resistance to stem and stolon rot of Peppermint ( <i>Mentha piperita</i> Linn.) using biocontrol agents	Actaphytopathological and entomologica hungarica 38(3-4), pp293-305 2003	0238-1249 1588-2691

**b) National Journal Publications:**

11.	Devi.A, Angayarkanni.T AnithaSubash, Kamalakaran A.	Studies on the effect of <i>Bacillus subtilis</i> against leaf spot of <i>Stevia</i> , caused by <i>Alternaria alternata</i>	Plant archives, 2010,pp107-111	0972-3005
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**c) In-house Publications:**

S.No	Title of the	Principle investigator	Amount sanction	Duration
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	project			
12.	Green synthesis of silver nanoparticles from <i>Durian</i> fruit ( <i>Duriozebenthinus</i> ) and its antimicrobial activity and antioxidant properties.	Dr.T.Angayarkanni, Associate professor.	Rs.20000	4.12.2018 - 31.4.2018

**d) Full-length Articles in Proceedings:**

S.No	Author	Title	Inter / National	Date
13.	Angayarkanni.T and RenukaKosaraja	Purification and characterisation of chitosan transgel	National	9 <sup>th</sup> December 2011
14.	Angayarkanni.T, Deepa.M	Assessment of Bio indicators produced by Bacterial Antagonist on the dry root rot incidence of <i>Stevia rebaudiana</i> caused by <i>Macrophominaphaseolina</i>	Rev, Jacob Memorial Christian college	2011

**e) Books / Chapters in Books / Books Edited:**

S.No	Author	Book chapter	Name of the Book	ISBN No. and Impact Factor
15.	Angayarkanni T. and A. Kamalakannan	Efficacy of secondary metabolites status of <i>Bacillus</i> spp on fungal pathogens <i>Sclerotiumrolfsii</i> and	Challenging Issues and Technological Approaches in Medicine (CITAM 2016)	81-8446-755-9

		<i>Alternaria alternata</i>		
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### International / National Conferences / Seminars / Workshops

	Name of the conference / seminar	Sponsoring Agency	Organizer	Date
<b>a) Only attended:</b>				
1.	International symposium on Trends in Tackling Tenacious Diseases	Department of Biochemistry, Biotechnology and Bioinformatics	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	10 <sup>th</sup> August 2018
2.	Functional genomics in plant pathogens		Department of vegetables crops, horticulture college and research institute. TNAU .Coimbatore	6 <sup>th</sup> December 2017
3.	Real time PCR analysis		Department of vegetables crops, horticulture college and research institute. TNAU .Coimbatore	7 <sup>th</sup> December 2017
4.	Leaps and leverages in life science		Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	15 <sup>th</sup> March 2017
5.	Induction of systemic resistance by bacterial antagonist to <i>Stevia rebaudianabertonii</i>	International symposium on medicinal plant and herbal drugs in human and livestock wealth a	Department of botany, Pachaiyappa's college Chennai.	29 <sup>th</sup> – 31st January 2016

	against <i>Macrophominaphaseolina</i>	global prospective		
6.	Breakthroughs and boulevards in biosciences		Department of Biochemistry, Biotechnology and Bioinformatics. Avinashilingam University for Women, Coimbatore	22 March 2016
7.	Identification and bioprospecting of novel antimicrobial compounds from <i>Pseudomonasfluorescens</i> against <i>Macrophominaphaseolina</i> and <i>Rhizoctoniasolani</i>	International conference on converging Biotechnological innovations for Health, Food and Environmental welfare	Department of biotechnology, Karunyauniversity	2 <sup>nd</sup> – 4 <sup>th</sup> December 2015
8.	Cutting Edges in Biotechnology's	Student Symposium	Department of Biochemistry Avinashilingam University for Women, Coimbatore	26 Feb 2014
9.	Chromatography System	Life Science Day and Hands-on Training	Avinashilingam University, Coimbatore	6 <sup>th</sup> -7 <sup>th</sup> March 2014
10.	Advances in molecular diagnostics and therapeutics	TEQIP - II	PSG college of technology Coimbatore	18 <sup>th</sup> – 24 <sup>th</sup> August 2014
11.	Free radical damage and herbal antioxidant in health and disease	International symposium	SBC (India ), ADUC	4 <sup>th</sup> – 5 <sup>th</sup> February 2013
12.	Emerging trends in applied biology, biomedicine and Bioforensics	Department of science and technology at CR Rao AIMSCS, HCU, Gachibowli, Hyderabad	Bio Axis DNA research center, Andhra Pradesh forensic science laboratory and CR Rao advance institute mathematics, statistics and computer science	30 <sup>th</sup> November - 1 <sup>st</sup> December 2013
13.	“ Efficacy of talc- based formulation of <i>Pseudomonas</i>	Regional Science Congress on Science for shaping the future of	Indian Science Congress Association	15 <sup>th</sup> -16 <sup>th</sup> December



	<i>fluorescens</i> the management of leaf spot disease	India	(Coimbatore Chapter ) and Kongunadu Arts and Science College, Coimbatore.	2012
14.	Efficacy of talc based formulation of <i>pseudomonas fluorescens</i> on the management of leaf spot disease	Indian science congress association	Kongunadu arts and science college, Coimbatore	15 <sup>th</sup> -16 <sup>th</sup> December 2012
15.	Integrative Biosciences Research opportunities and challenges	Indo-Korean Joint Seminar,	Avinashilingam University, Coimbatore	10 <sup>th</sup> -11 <sup>th</sup> February 2012
16.	Innovation in teaching methods	One day workshop	Avinashilingam University for Women, Coimbatore	28 <sup>th</sup> September 2012
17.	Assessment of Bioindicators Produced By Bacterial Antagonists On the Dry Root Rot Incidence of <i>Stevia Rebaudiana</i> Caused by <i>Macrophomina Phaseolina</i>	Proteofest	Rev. Jacob Memorial Christian College	2011
18.	International symposium environmental risk assessment	Unit of toxicology department of zoology school of life science	Bharathiar university	2011
19.	Purification and characterization of chitosan tangel	National conference on technologies for sustainable food production – CONFOPTECH,11	Faculty of engineering, Avinashilingam University	9 <sup>th</sup> December 2011
20.	Induction of resistance to <i>Stevia</i> root rot disease by <i>Pseudomonas fluorescens</i>	International conference on Herbs and Herbo mineral formulations	SASTRA University, Thanjavur.	06-02-2011 to 07-02-2011

21.	Efficacy of eucalyptus oil emulsifiers concentrate ( EC) formulations against Green gram powdery mildew caused by <i>Erysiphepolygoni</i>	International conference on Herbs and Herbo mineral formulations,	SASTRA University, Thanjavur.	6 <sup>th</sup> -7 <sup>th</sup> Feb 2011
22.	Ecofriendly approach of biochemical markers with antifungal activity from <i>Bacillus subtilis</i>	International symposium on environmental risk assessment 2011 (ISERA)	Bharathiar University, Coimbatore.	16 <sup>th</sup> -19 <sup>th</sup> October 2011
23.	National Seminar on “Computational Biology”	National	Avinashilingam University for Women, Coimbatore	16 <sup>th</sup> march 2011
24.	National Workshop On Entrepreneurial Stimulation For Youth		Avinashilingam University for Women, Coimbatore	29 <sup>th</sup> – 30 <sup>th</sup> March 2011
25.	Research Convention on Research Ethics and Post Research Perspectives		Avinashilingam University for Women, Coimbatore	10 <sup>th</sup> – 11 <sup>th</sup> August 2011
26.	<i>Pseudomonas fluorescens</i> induced resistance to leaf spot disease of <i>Stevia</i> caused by the fungus <i>Alternariaalternate</i>	3 <sup>rd</sup> Indo Korean joint seminar on Medicinal Plant research (IKMPR-2010),	Avinashilingam University for Women, Coimbatore.	23 <sup>rd</sup> Feb 2010
27.	<i>Pseudomonas fluorescens</i> mediated systemic resistance against damping off in black nightshade <i>Solanum nigrum</i> Linn.	Plant and Microbe metabolites	Karpagam University Coimbatore	11 <sup>th</sup> -12 <sup>th</sup> Feb 2010

28.	Mega Painting with Fabric Pen		Avinashilingam University for women, Coimbatore	3 <sup>rd</sup> August 2010
29.	Research Convention on Path Finder Explore, Experiment, Elucidate Research -A Colloquium		Avinashilingam University for Women, Coimbatore	22 <sup>nd</sup> December 2010
30.	Research Methodology and Data interpretation”	International Seminar,	SBC(India), Avinashilingam University for Women, Coimbatore	28 January 2010
31.	Enhancing resistance of <i>Stevia rebaudiana</i> to root rot disease by soil application of <i>Bacillus subtilis</i>	Bio Resources Conservation and Management	PSGR Krishnammal college for Women	8 <sup>th</sup> -9 <sup>th</sup> January 2010
32.	Inhibitory effect of secondary metabolites from <i>Pseudomonas fluorescens</i> on fungal pathogens <i>Sclerotiumrolfsii</i> and <i>Alternaria alternata</i>	Bio Resources Conservation and Management	PSGR Krishnammal college for Women	8 <sup>th</sup> -9 <sup>th</sup> January 2010
33.	<i>Pseudomonas fluorescens</i> mediated systemic resistance against damping off <i>Solanum nigrum</i>	Plant and microbes metabolites	Karpagam university , Coimbatore	11 <sup>th</sup> – 12 <sup>th</sup> Feb 2010
34.	Bioresources – conservation and management	Bioresources – conservation and management	PSGR Krishnammal college for women, Coimbatore	8 <sup>th</sup> – 9 <sup>th</sup> January 2010
35.	Bioprospecting of novel antimicrobial compounds from antagonistic bacteria against fungal pathogens	2 <sup>nd</sup> Bio Pesticide Conference	St. Xavier’s College Palayamkottai	2009

36.	Effect of secondary metabolites of <i>Bacillus</i> spp on fungal pathogens <i>Sclerotium rolfsii</i> and <i>Alternaria alternata</i>	2nd Bio Pesticide Conference	St. Xavier's College Palayamkottai	2009
37.	Emerging trends in biotechnology		Department of biotechnology of Vivekanandha college for women's.	10th and 11th april 2009

#### Refresher Courses / Orientation Courses / Training Programmes / Equivalent attended

S.No	Name of the course	Place	Duration	Sponsoring agency
1.	Faculty development programme	PSG college of technology Coimbatore	18 <sup>th</sup> – 24 <sup>th</sup> August 2014	TEQIP – II
2.	Refresher course	Bharathiar University Coimbatore	3 <sup>rd</sup> – 23 <sup>rd</sup> December 2009	UGC
3.	Refresher course	Bharathiar University Coimbatore	8 <sup>th</sup> – 28 <sup>th</sup> march 2005	UGC
4.	Orientation course	University of madras Chennai	24 <sup>th</sup> – 20 <sup>th</sup> Feb 2003	UGC
5.	Refresher course	Avinashilingam University, Coimbatore	22 <sup>nd</sup> – 19 <sup>th</sup> (Nov - Dec) 2002	UGC
6.	Orientation programme on population education	Avinashilingam University, Coimbatore	22 <sup>nd</sup> and 23 <sup>rd</sup> October 2001	Avinashilingam University, and university of Madras
7.	Orientation course	Avinashilingam University, Coimbatore	26 <sup>th</sup> – 8 <sup>th</sup> (July – August) 2000	Department of youth affairs and sports government of India

### **Achievements (Chairperson / Resource Person / Invited Lectures)**

<b>S.No</b>	<b>Achievement</b>	<b>Title</b>	<b>Organised</b>	<b>Date</b>
<b>1.</b>	Chairperson	“Herbal and natural components as the future of pharmacology” and 7 <sup>th</sup> annual meet of the national society of Ethnopharmacology	Avinashilingam institute for home science and higher education for women	27 <sup>th</sup> Feb – 1 <sup>st</sup> march 2017

### **Membership in Professional Bodies**

1. Life Member of Society of Biological Chemists (India)

### **Conferences / Seminars / Symposia / Workshops Organized:**

1. Participation as the executive committee member in organizing National seminar on “Computational Biology and International seminar on Research methodology and data interpretation” organized by the department of Biochemistry.2011
2. Organised teaching learning activities for the disabled children in RS puramschool.
3. Participation as the executive committee member in organizing 3<sup>rd</sup> Indo-Korean joint seminar on medicinal plant research (IKMPR-2010) organised by the department of biochemistry.
4. Participation as the executive committee member in organizing international symposium on free radical damage and herbal antioxidant in health organised by the department of biochemistry, SFRR and DST – CURIE.
5. Participation as the executive committee member in organizing 3<sup>rd</sup> Indo-Korean joint seminar on integrative biosciences research opportunities and challenges organised by the department of biochemistry.
6. Participated and assisted in one day student symposium on ‘Cutting edges in biotechnology ‘organised by the department of biochemistry.
7. Member of the organising team NSE conference MPRTT.

8. Member of the organising team FOR the national or international scientific meet conducted by the department.

A handwritten signature in black ink, appearing to read "T. Jeyaraj", with a horizontal line underneath the name.

Signature of the staff