

Dr.A.KARTHIKEYAN

Designation ASSOCIATE PROFESSOR OF
ZOOLOGY & HEAD
Department PG & RESEARCH DEPARTMENT
OF ZOOLOGY
Qualifications M.Sc., M.Phil., Ph.D.,
Date of Birth 14-04-1968
Community BC
Date of Appointment 22-10-1998
Date of Joining in this College 21-06-2002
Date of Retirement 30-04-2028



Departmental Examination passed or not? PASSED

Orientation/ Refresher Attended with dates

1. Orientation Programme, Academic Staff College, Pondicherry University, Pondicherry. from 04-08-1999 to 31-08-1999 (28Days)
2. Refresher Course –I on Environmental Sciences, Academic Staff College, Sri Venkateswara University, Tirupati-517 502 from 22-07-2002 to 10-08-2002 (21Days)
3. Short term Course -5-Day Refresher Course in Zoolog, The American College, Madurai – 625 002 from 11-10-2004 to 15-10-2004
4. Refresher Course – II on Microbial Biotechnology (Interdisciplinary), Academic Staff College, Bharathiar University, Coimbatore – 641 046 from 08-03-2005 to 28-03-2005 (21Days)
5. Refresher Course – III on Biological Sciences (Interdisciplinary, Recent Researches in Biological Science, Academic Staff College, Bharathiar University, Coimbatore – 641 046 from 10-11-2006 to 30-11-2006 (21Days)
6. Advanced Research Methodology-Online Refresher programme/ FDP, Ramanujan College, Delhi University from 17-06-2021 to 01-07-2021

Subject Specialization Entomology.

Area of Research Sericulture & Bioremediation.

Swayam courses completed / ongoing 1. MOOC FDP Online Two-week Refresher Course on Advanced Research Methodology

Are you a Research Advisor for M.Phil/Ph.D? M.Phil & Ph.D.

No. of M.Phil/ Ph.D Produced and Guiding 1. 7 M.Phil. **Annexure - I**
Provide the title of the thesis/dissertation 2. 3 Ph.D. **Annexure - II**

No. of Research Papers Published in (with Impact factor, Scopus etc) 12 **Annexure - III**

International Journals	11	
National Journals	03	
Conferences/Workshops/Training Programmes Organized	01	Annexure - IV
Conferences/Workshops/Training Attended	23	Annexure - V
Papers Presented in Conferences	02	Annexure - VI
Awards/Honors Received		
<ol style="list-style-type: none"> 1. Gold medalist for good academic performance in B.Sc., Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi, 1988 2. Gold medalist for good academic performance in M.Sc. Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi, 1990 3. Gold medalist for good academic performance in M.Phil. Ayya Nadar Janaki Ammal College (Autonomous), Sivakasi, 1991 		
Coordinator / Programmer of Extension activities with dates	N.S.S. Programme officer	
Administrative Position held sofar with dates		
<ol style="list-style-type: none"> 1. Discipline Committee 2. CRC Coordinator 3. Anti-Ragging Committee 4. NAAC Committee Core Committee member 5. NAAC Committee Deputy Coordinator 		
Administrative Position in the College at present	1. Deputy Coordinator for NAAC	
Membership in Academic Bodies		
<ol style="list-style-type: none"> 1. Chairman of BOS for Zoology, department of Zoology, Government Arts college, Karur 2. Board of Studies in GAC, Karur., Examination Committee, GAC, Karur., BOS in Vellalar College for Women, Erode. 3. Board of Studies in Vellalar College, ErodeUniversity Nominee member of CRC, Bharathidasan University, Trichy. 		
Special Lectures/Invited talks /Judges/Chairperson:	02	Annexure - VII
E-mail ID	prikaravi@gmail.com	
Mobile Number	9443593724	

M.Phil. Projects Completed

: 07

Annexure - I

S.No.	NAME	REG. NO.	FT/PT	PERIOD	TITLE	DOING / COMPLETED
1.	Devaprabu, J.	06CD-31610	PT	2007-08	Effect of leaf extract of <i>Thevetia nerifolia</i> Pers, <i>Catharanthus roseus</i> GDon and BHC individually and synergistically on survival and development of mosquito larva, <i>Culex quiquefasciatus</i> Say	Completed
2.	Arumugam N.	08ZO	FT	2008-09	Efficacy of new insecticide molecules against groundnut defoliator, <i>Spodoptera litura</i> (Fabricius) Noctuidae: Lepidoptera	Completed
3.	Sophiya A	08ZO12	FT	2008-09	Comparative study on the blood parameters of <i>Oreochromis mossambicus</i> (Peters, 1852) and <i>Channa striata</i> (Bloch, 1793)	Completed
4.	Kala S.	08ZO05	FT	2008-09	Accumulation of heavy metals in <i>Oreochromis mossambicus</i> (Peters, 1852)	Completed
5.	Kamalaveni V.	09ZO02	FT	2008-09	Biodecolourisation of textile effluent by effluent-adapted bacteria and non-adapted bacteria	Completed
6.	Karunanithi, K.	09ZO04	FT	2008-09	A study on biodiversity and abundance of zooplankton and aquatic insects of the river Noyyal, Tamilnadu, India	Completed
7.	Revathi, P.	09ZO07	FT	2008-09	Physico-chemical characterization of effluents of textile industries of Karur	Completed

Ph.D. Guided / Guiding

: 01 + 06

Annexure - II

S.No.	NAME	REF. NO.	FT/PT	PERIOD	TITLE	DOING / SUBMITTED / AWARDED
1.	V.Kamalaveni	34539 Ph.D.K7/ Zoology FullTime/October2012/Date : 10/10/2012	FT	October, 2012 to March, 2019	Bioremediation of Paper mill effluent using the Autochthonous bacteria.	Awarded March 25,2019

2.	S.Senthamilselvi	6387/Ph.D.K7 / Zoology PartTime/April 2015/Date: 15/04/2015	PT	April, 2014 to	Bioremediation Of Effluents Of Oil Refinery Using Adapted Bacteria.	Doing
3.	P.Saravanan	14528/Ph.D.K7/ Zoology PartTime/July 2015/Date: 12/06/2015	PT	July, 2015 to	Ecology And Integrated Pest Management Of Mirid Bug, Creontides Biseratense (Distant) Hemiptera: Miridae On Bt. Cotton.	Doing
4.	M.Ponmurugan	39753/Ph.D.K7/ Zoology FullTime/January 2016/Date: 23/12/2015	FT	January 2016	A Study On Haemolymph And Antimicrobial Proteins In Silkworm <i>Bomby Mori</i> L.	Doing AWD Rs. 50,000 (2015-16 & 2018-19) DCE Research Scholarship 36000/year(2016-17 &2017-18)
5.	M.Vinotha	39753/Ph.D.K7/ Zoology FullTime/January 2016/Date: 23/12/2015	FT	January 2016	Effect Of Insulin And Thyroxine On Haemolymph ,Immune Response, Precocooning And Post Cocooning Characters Of The Mulberry Silkworm, <i>Bomby Mori</i> L.	Doing AWD Rs. 50,000 (2015-16 &2018-19)
6.	M.Kamala	20906/Ph.D.K7/ Zoology FullTime/January 2018/Date: 03/01/2018	FT	January 2018	Antibacterial Efficiency Of Haemolymph,Midguttract, Pupal Extract And Silk Proteins Of The Mulberry Silkworm, <i>Bomby Mori</i> L. Against Salmonella Typhi.	Doing
7.	Sudha Ananthi		FT	2021		Doing

Research Papers Published in Journals : 12

Annexure - III

S. No.	TITLE	NAME OF THE JOURNAL	VOLUME	ISSN / ISSN	DATE
1.	Bioremediation of Dye House Effluent by the Yeast, <i>Saccharomyces cereviciae</i> Karthikeyan A and Anbusaravanan N.	International Journal of Biotechnology and Bioengineering Research	Volume 2 Number 2	ISSN 2231-1238	2011
2.	Biodegradation of Dye House Effluent by the Dye -Adapted Strains of Bacteria	International Journal of	Volume 2, Number 1	ISSN 2248-	2011

	<i>Bacillus cereus</i> AK1968 and <i>Pseudomonas</i> sp. AKDYE14 Karthikeyan Aand Anbusaravanan N.	Applied Biotechnology and Biochemistry.		9886	
3.	Weather factors responsible for the population dynamics of Brown mirid bug, <i>Creontiades biseratense</i> Distant (hemiptera: miridae) in bt cotton Saravanan P., Karthikeyan A.,	International Journal of Zoology and Applied Biosciences	Volume 2, Issue 6,	ISSN: 2455-9571 Paper Id : Ijsartv 4i119601	22nd November 2017
4.	Biochemical Changes In Haemolymph Of The Mulberry Silkworm, <i>Bombyx Mori</i> L. In Response To The Injection Of <i>Bacillus</i> Sp. And <i>Staphylococcus</i> Sp. Ponmurugan M., Karthikeyan A.,	International Journal For Science And Advance Research In Technology		ISSN [ONLINE] : 2395-1052	January 2018
5.	Isolation, Identification And Characterisation Of Dye-Adapted Bacteria From Textile Effluents Mixed With Sewage Released Into The River Amaravathy, Karur, Tamilnadu, India. Karthikeyan Aand Anbusaravanan N.	<i>IOSR Journal Of Environmental Science, Toxicology And Food Technology (IOSR-JESTFT)</i>	Volume 7, Issue 2	e-ISSN: 2319-2402, p-ISSN: 2319-2399	November, 2013
6.	Characterisation of paper mill effluents and analysis of degradation potential of autochthonous soil bacteria, Asian Journal of Pharmaceutical Science & Technology Kamalaveni V and Karthikeyan A	Asian Journal of Pharmaceutical Science & Technology	6(1)20166 p. 11-16	2248–9185	2016
7.	A FTIR Analysis of Paper Mill Effluents Treated With Autochthonous Bacteria Kamalaveni V and Karthikeyan A	Asian Journal of Pharmaceutical Science & Technology	6(2) 2016 p. 103-109	2248–9185	2016
8.	A Comparative Study On The Biochemical Composition Of Haemolymph Of The Fifth Instar Larvae Of a Multivoltine Breed And a Bivoltine Breed of The Mulberry Silkworm <i>Bombyx mori</i> L. Ponmurugan M., Karthikeyan A.,	International Journal of Zoology and Applied Biosciences.	Volume 2, Issue 6, pp: 292-298.	ISSN: 2455-9571	2017
9.	A Comparative Study On The Haemocytes Of The Fifth Instar Larvae Of a Bivoltine And Multivoltine Breed Of The Mulberry Silkworm, <i>Bombyx mori</i> L. Vinotha M., Karthikeyan A.,	International Journal of Zoology and Applied Biosciences.	Volume 2, Issue 6, pp: 325-332.	ISSN: 2455-9571.	2017
10.	Effect of Insulin on Food Utilization And Growth of The Mulberry Silkworm <i>Bombyx Mori</i> L. Vinotha M., Karthikeyan A., (2018)	IJSART - Volume 4 Issue 1, pp:498-505.	Volume 4 Issue 1, pp:498-505.	ISSN [ONLINE]: 2395-1052.	2018

11.	Effect of the Nutritional Fortification of Nanoparticles of Alanine on the Growth and Development of Mulberry Silkworm, Bombyx mori L.	Journal of Emerging Technologies and Innovative Research	Volume 6 Issue 4 561-569	ISSN: 2349- 5162	April 2019
12.	Effect of egg white on growth and cocoon parameters of the mulberry Bombyx mori L. Ponmurugan M., Karthikeyan A., Vinotha M.,	Journal of Emerging Technologies and Innovative Research	Volume 6 Issue 5 207-214	ISSN: 2349- 5162	May 2019

Conferences/ Workshops/ Seminar/Training Programmes Organized: 01

Annexure - IV

S.NO.	TOPIC	PERIOD	FUNDING AGENCY	NO.OF PARTICIPANTS
1.	Novel Approaches in Biodiversity Conservation	8, Feb 2019	TamilNadu State Council for Science and Technology	120+

Conferences/ Workshops/ Training Programmes Attended

Annexure -V

S.NO.	PROGRAMME	TOPIC	NATIONAL/ INTERNATIONAL LEVEL	PERIOD	ORGANIZED BY
1.	Symposium	IX All India Symposium on Reproductive Biology and Comparative Endocrinology	National	20 – 22 February, 1991 3 Days	Bharathidasan University, Tiruchirappalli
2.	Workshop	Lions-Quest Skills for Adolescence Workshop	National	26 -28 December, 1996 3Days	Held at Rajapalayam, organized by Quest International, 1984,Coffman Road, P.O.Box 4580 Newark, Ohio 43058 USA
3.	Workshop for College Teachers	Workshop for College Teachers on Advanced Practicals in Zoology	University	24 and 25 January, 2003 2 Days	PG & Research Department of Zoology, Periyar EVR College (autonomous), Tiruchirappalli-620 023
4.	Workshop	CBCS to the Faculty members of the Affiliated Colleges	University	22 January, 2005 One day	Bharathidasan University, Tiruchirappalli-24

5.	Seminar	Biosciences	National	19 and 20 February, 2005 2 Days	Vysya College, Ramakrishnapuram, Masinaickanpatty, Ayodhyapattinam (post), Salem – 636 103
6.	Seminar	State level seminar on BioSci-2k5	State	3 September, 2005 One day	Arignar Anna Govt. Arts College, Musiri – 621 210
7.	Seminar	Emerging Scenario in Zoology	National	27 September, 2007	National College (Autonomous), Tiruchirappalli – 620 001
8.	Workshop	Application of Scinec and Technology for Rural areas (ASTRA) Mushroom Cultivation, Value added products and Vermicomposting	State	21 & 23 July, 2015 3 Days	PG & Research Department of Zoology, Government Arts College (Autonomous), Karur-5
9.	Workshop	Application of Scinec and Technology for Rural areas (ASTRA) Ornamental Fish culture and Native chicken farming	State	24 & 25 July, 2015 2 days	PG & Research Department of Zoology, Government Arts College (Autonomous), Karur-5
10.	Workshop	Application of Biostatistics with Statistical Packages for College teachers in Biology	State	13 & 14 October, 2008	PG & Research Department of Zoology, Jamal Mohamed College (Autonomous), Tiruchirappalli- 620 020
11.	Workshop	Disaster Management	State	30 March, 2011	Department of Geography, Government Arts College (Autonomous), Karur-5
12.	Conference	Recent Advances in Computational Biology	National	9 March, 2012	PG & Research Department of Zoology, Government Arts College (Autonomous), Karur-5
13.	Seminar	Recent trends in Bioactive substances- 2013 (RTBASS-2013)	National	5 & 6 March, 2013 2Days	PG & Research Department of Botany, Government Arts College (Autonomous),

					Karur-5
14.	Workshop	Advanced Materials for Science and Technology	National	10 February, 2014 One day	PG & Research Department of Physics, Government Arts College (Autonomous), Karur-5
15.	Workshop	Modern Trends in Research Methodology	National	14 February, 2014	PG & Research Department of Commerce, Government Arts College (Autonomous), Karur-5
16.	Seminar	Recent Trends in Chemistry (NSRTC-2014)	National	28 February, 2014	PG & Research Department of Chemistry, Government Arts College (Autonomous), Karur-5
17.	Seminar	Crystal Science & Nanotechnology	State	6 October, 2014	PG & Research Department of Physics, Government Arts College (Autonomous), Karur-5
18.	Seminar	Recent Advances in Zoology	National	8 October, 2014	PG & Research Department of Zoology, Government Arts College (Autonomous), Karur-5
19.	Lecture Workshop	Plants for People and People for Plants	National	18 to 20 December, 2014 3 Days	PG & Research Department of Botany, Government Arts College (Autonomous), Karur-5
20.	Conference	BioNat 2016- Biodiversity and Bioactive Natural Products for Human Welfare- 2016	International	10 -12 February, 2016 – 3Days	PG & Research Department of Botany, Government Arts College (Autonomous), Karur-5
21.	Seminar	The Art of Thesis writing and Research Publication (ATWARP-2017)	National	6 January, 2017 – One day	PG & Research Department of Botany, Government Arts College (Autonomous), Karur-5
22.	Lecture Workshop	Biodiversity and Bioresources: Conservation and Utilisation	National	8 -10 February, 2017-3Days	PG & Research Department of Botany Government Arts College (Autonomous), Karur-5
23	Seminar	Current trends in Life sciences The	International	13 October, 2017 –	PG & Research Department of Zoology,

		Impact of Environmental Pollution on Diseases and Drug Resistance		One day	Kandasamy Kandar's College, Velur, Namakkal Dt. 638 182
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Research Papers Presented in Conferences/ Seminars

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Annexure - VI

S.NO.	TITLE OF THE PAPER	INSTITUTION WHERE PRESENTED	MONTH & YEAR
1.	Efficacy of insulin on precocooning and post cocooning characteristics of Mulberry silkworm, Bombyx mori, L	Proceedings of the National Seminar on Emerging Scenario in Zoology on 27 th September, 2007, Organised by the Department of Zoology, National College, Tiruchirappalli-21.	27 th September, 2007,
2.	Computation of biodiversity of Butterflies in Government Arts College, Karur using Shannon-Weiner Index.	Proceedings of the National Seminar on Recent Advances in Computational Biology, on 09 th March, 2012, Organised by Dr.R.Ramesh, Assistant Professor, Department of Zoology, Government Arts College, Karur.	09 th March, 2012,

Special Lectures/Invited talks /Judges/Chairperson: 02

Annexure - VII

S.NO.	DATE	PLACE	TOPIC
1.	27 th September, 2007	National College, Tiruchirappalli-620 001	Chairperson for Assessing the Paper Presentation
2.	21, October, 2010	Kongu Higher Secondary School, Vennamalai, Karur	Judge in Science Exhibition