



**A.V.V.M. SRI PUSHPAM COLLEGE  
(AUTONOMOUS),  
POONDI – 613503, THANJAVUR – DT.**



1. Name of the Staff : **Dr. A. VENKATESH**  
 2. Designation : **Assistant Prof. of Mathematics**  
 3. Academic Qualification : **M.Sc., M.Phil., PGDCA, Ph.D.**

Course	UG	PG	M.PHIL.	PH.D.
Year	1995	1998	2000	2011
College & University	Rajah Serfoji Govt. Arts College, Thanjavur, Bharathidasan University	Periyar E. V.R. College, Tiruchirappalli, Bharathidasan University	National College, Tiruchirappalli, Bharathidasan University	Kundavai Nachiyar Govt. Arts College, Thanjavur, Bharathidasan University

4. Date of Birth & Age : **08 – 06 – 1975, 44 Yrs**

5. Date of Appointment : Self – Finance : 

D	D	M	M	Y	Y	Y	Y
1	6	0	6	1	9	9	9

  
 FIP : 

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 Aided : 

2	7	1	1	2	0	1	3
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6. Total Service : **21 Years**

7. Teaching Experience in completed years : UG **21 yrs** PG **13 Yrs** M.Phil. **6 yrs**

8. Residential Address : **Plot No. 46, Gandhipuram, Ramanathapuram Panchayat, Medical College(Post), Thanjavur – 613 004.**

Mobile Number : **9003429139**

E-Mail Address : **a\_venkatesh03@yahoo.co.in, avenkateshmaths@gmail.com**

9. No. of Orientation / Refresher Courses and Training Programmes attended : Orientation Course – 1  
 Refresher Course – 1 Annexure – I

10. Whether FIP availed, if yes, furnish details : **N0** Annexure – II

11. No. of Seminars attended : **22** Annexure – III

12. No. of Papers Presented : **09** Annexure – IV

13. No. of Papers Published : **90** Annexure – V

14. No. of Book chapter Published : **02** Annexure – VI

15. No. of Guest Lectures delivered in other institutions : **17** Annexure – VII

16. No. of Research Projects undertaken : Minor **01** Major --- Others (Specify) --- Annexure – VIII

17. No. of Seminars organised : **02** Annexure – IX

18. No. of M.Phil. Scholars Guided : Completed **21** Ongoing **02** Annexure – X

19. No. of Ph.D. Scholars Guided : Awarded **05** Ongoing **06** Annexure – XI

20. Participation in Academic Research Bodies in other institutions : **07** Annexure – XII

21. Service rendered in academic / Extra Curricular/ Extension activities within the College other than teaching : **04** Annexure – XIII

22. Service rendered in Professional bodies outside the College : **05** Annexure – XIV

23. Honours / Awards received : **03** Annexure – XV

**Signature of the Staff**

**ANNEXURE – I****DETAILS OF ORIENTATION, REFRESHER COURSES AND TRAINING PROGRAMMES ATTENDED:**

SL. NO.	COURSE	UNIVERSITY	PERIOD	TITLE
1.	Orientation Programme	Bharathiar University, Coimbatore	06.05.2015 to 02.06.2015	Orientation Course (Batch 107)
2.	Refresher Course	University of Madras, Chennai	07.11.2017 To 27.11.2017	Mathematics

**ANNEXURE – II****WHETHER FIP AVAILED, IF YES, FURNISH DETAILS : ----**

Name of the institution	Period of Study	Date of submission	Awarded
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**ANNEXURE – III****SEMINARS/CONFERENCES, SYMPOSIA, WORKSHOPS, ETC ATTENDED**

Sl. No.	Title of the Seminars/Conferences, Symposia, Workshops	Level (State / National / International)	Sponsoring Agency and Name of the Institution	Date
1.	Computer Awareness Programme	State	A. V. C. College of Engineering, Mayiladuthurai	30 - 10 - 2000 To 01 - 11 - 2000
2.	Short term training program on Induction training for teachers	National	Indian Society for Technical Education, NewDelhi Sponsored: PGP College of Engineering and Technology, Namakkal	02 - 12 - 2002 To 14 - 12 - 2002
3.	Faculty Development Programme	State	Anna University Sponsored: MEPCO Schlenk Engineering College, Sivakasi	24 - 11 - 2003 To 29 - 11 - 2003
4.	Workshop on Finite Element Methods and Applications in Engineering	State	AICTE Sponsored: Anjalai Ammal Mahalingam Engineering College, Kovilvenni, Tiruvarur(Dt)	17 - 03 - 2003 To 21 - 03 - 2003
5.	Feel Teacher Training Program	State	CLHRD & CARAT Sponsored: Anjalai Ammal Mahalingam Engineering College, Kovilvenni, Tiruvarur(Dt)	10 - 04 - 2004 To 11 - 04 - 2004
6.	Management training workshop for YRC programme officers	State	Anna University & TANSACS Sponsored: Periyar Maniammai	22 - 02 - 2006

			College of Technology for Women, Vallam, Thanjavur.	
7.	State level Seminar on Applied Mathematics	State	Bon – Secours college for Women, Thanjavur	14 – 02 – 2007
8.	International Conference on Applied Mathematics	International	ISHM Sponsored: G. B. Pant University of Agriculture and Technology, Pantnagar, Uthranchal.	19 – 12 – 2007 to 22 – 12 – 2007
9.	National Conference on Recent Developments in Mathematics and its Applications	National	Government Arts College For Women, Pudukkottai	28 – 03 – 2008 to 29 – 03 – 2008
10.	International Conference on Mathematical methods & Computation	International	UGC Sponsored: Jamal Mohamed College (Autonomous), Tiruchirappalli.	24 – 07 – 2009 To 25 – 07 – 2009
11.	National Conference on Advances in Mathematics: Scientific Developments and Engineering Applications	National	UGC Sponsored: Kunthavai Naachiyar Govt. Arts College for Women	31 – 08 – 2009 To 01 – 09 – 2009
12.	National Seminar on Fuzzy Mathematical Modelling and Optimization Techniques	National	CSIR Sponsored: AnnaUniversity of Technology, Tiruchirappalli	27 – 07 – 2011 To 28 – 07 – 2011
13.	One day Seminar on Mathematics in real world	State	Maruthupandiyar college, Thanjavur	04 – 02 - 2015
14.	International Conference on Modeling, Simulation & Optimizing Techniques	International	NBHM, UGC, SERB, Defence R&D organization Sponsored: D A V College, Jalandhar, Punjab	12 – 02 – 2015 To 14 – 02 – 2015
15.	Special Orientation Programme for Professors	State	A. V. V. M. Sri Pushpam College, Poondi, Thanjavur(Dt.)	06 – 04 – 2015 To 18 – 04 – 2015
16.	National Conference on Trends in Healthcare and Biotechnology: Opportunities & Challenges	National	SERB Sponsored: A. V. V. M. Sri Pushpam College, Poondi, Thanjavur(Dt.)	22 – 01 – 2016 To 23 – 01 – 2016
17.	One day State level Colloquium on Mathematical modelling, Applications of Mathematics and some labelling of graphs	State	Tamilvel Umamaheswaranar Karanthai Arts College, Karanthai, Thanjavur	05 – 02 - 2016
18.	National Seminar on Recent trends in Mathematics	National	Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur	26 – 02 – 2016
19.	State level seminar on Recent trends in Mathematics	State	E.G.S. Pillay Arts & Science College, Nagapattinam	04 – 08 – 2016 To 05 – 08 – 2016
20.	International Conference on Mathematical Modeling and Computational methods in science and Engineering (ICMMCMSE – 2017)	International	Alagappa University, Karaikudi	20 – 02 – 2017 To 22 – 02 – 2017
21.	Seminar on Role of Mathematics in real world	State	Annai College of Arts & Science, Kovilacheri,	01 – 03 – 2017

			Kumbakonam	
22.	Mathematical Modeling	National	Rabiammal Mohaideen college, Tiruvarur	29 - 08 - 2018

**ANNEXURE - IV**

**PAPERS PRESENTED IN SEMINARS/CONFERENCES, SYMPOSIA, WORKSHOPS, ETC**

<b>Sl. No.</b>	<b>Title of the Paper</b>	<b>Level (State / National / International)</b>	<b>Sponsoring Agency and Name of the Institution</b>	<b>Date</b>
1.	Random Walk Models	State	Bon - Secours college for Women, Thanjavur	14 - 02 - 2007
2.	A stochastic model for the increase of Dopamine due to stress	International	ISHM Sponsored: G. B. Pant University of Agriculture and Technology, Pantnagar, Uthanchal.	19 - 12 - 2007 to 22 - 12 - 2007
3.	A Weibull inverse power law model for the increase of cysteinal - DA due to stress	National	Government Arts College For Women, Pudukkottai	28 - 03 - 2008 to 29 - 03 - 2008
4.	A Cumulative damage model for stress - induced increase in Dopamine concentration in brain regions	International	UGC Sponsored: Jamal Mohamed College (Autonomous), Tiruchirappalli.	24 - 07 - 2009 To 25 - 07 - 2009
5.	A bivariate survival model for the effect of stress on dopamine levels	National	UGC Sponsored: Kunthavai Naachiyar Govt. Arts College for Women	31 - 08 - 2009 To 01 - 09 - 2009
6.	Shock models and its Applications in System Reliability	National	UGC Sponsored: Kunthavai Naachiyar Govt. Arts College for Women	31 - 08 - 2009 To 01 - 09 - 2009
7.	Acceptance Sampling in Crisp and Fuzzy Poisson Distribution	International	Stella Maris College, Chennai	2012
8.	A Study on Fuzzy Poisson distribution with Trapezoidal Fuzzy number	International	Coimbatore Institute of Technology, Coimbatore	2012
9.	A Mathematical Model for the secretion of stress variable Dopamine using fuzzy reliability analysis	International	Alagappa University, Karaikudi	20 - 02 - 2017 To 22 - 02 - 2017

**RESEARCH PAPERS PUBLISHED:**

Sl. No.	Title of the Paper	JOURNAL			Page Number
		Name	Volume	Year / Month of Publication	
1.	A Mathematical Model for Diet control Using Ranking of Decagonal Fuzzy Number	Journal of Xi'an University of Architecture & Technology( <b>SCOPUS</b> )	XII(VII)	2020	945-951
2.	A Fuzzy Mathematical Model for Nutrients in Spices	Journal of Xidian University( <b>SCOPUS</b> )	14(7)	2020	944-948
3.	A Mathematical Model Using Fuzzy Optimization for the Nutrient requirements of Legumes	Journal of Xi'an University of Architecture & Technology( <b>SCOPUS</b> )	XII(VII)	2020	266-270
4.	A Fuzzy Mathematical Model for Balanced Green Leaves Diet Plan	Journal of Xidian University( <b>SCOPUS</b> )	14(7)	2020	390-398
5.	A MATHEMATICAL MODEL FOR THE EFFECT OF PARATHYROID HORMONE USING FUZZY LAPLACE DISTRIBUTION	Journal of Interdisciplinary Cycle Research	XII(1)	2020	358-364
6.	A MATHEMATICAL MODEL FOR BALANCED DIET USING NONAGON FUZZY NUMBER	Journal of Information and Computational Science	10(1)	2020	711-721
7.	A GUMBEL MAX DISTRIBUTION MODEL FOR PARATHYROID HORMONE SECRETION USING FUZZY APPROACH	Journal of Information and Computational Science	10(1)	2020	367-371
8.	A Fuzzy Erlang Distribution Model for Parathyroid Hormone	International Journal of Engineering Research & Technology ( <b>SCOPUS</b> )	8(8)	2019	393-396
9.	AN APPLICATION OF FUZZY TRANSPORTATION PROBLEM FOR DIET CONTROL	International Journal of Applied Engineering Research	14( 4)	2019	13-19
10.	A MATHEMATICAL MODEL USING FUZZY PEARSON'S DISTRIBUTION FOR THE EFFECT OF LEPTIN	International Journal of Applied Engineering Research	14( 4)	2019	27-34
11.	A MATHEMATICAL MODEL FOR THE EFFECT OF PARATHYROID HORMONE USING FUZZY LOG-LOGISTIC DISTRIBUTION	International Journal of Applied Engineering Research	14( 4)	2019	55-60
12.	FUZZY LINEAR PROGRAMMING APPROACH FOR NUTRIENT REQUIREMENTS	International Journal of Applied Engineering Research	14( 4)	2019	61-66
13.	A Mathematical Model for Diet Control Using	Journal of Applied Science and	VI(IV)	2019	1127-1133

	Fuzzy Optimization Techniques	Computations			
14.	A Fuzzy Weibull Distribution Model for the Effect of Parathyroid Hormone	Journal of Applied Science and Computations	VI(IV)	2019	1200-1204
15.	A Fuzzy Mathematical Model for Vitamin Requirements Using Transportation Problem	Journal of Applied Science and Computations	VI(IV)	2019	1233-1238
16.	A Fuzzy Transportation Problem Model for Well Balanced Diet Plan	International Journal of Recent Technology and Engineering <b>(SCOPUS)</b>	7(6S)	2019	957-961
17.	A Mathematical Model for Nutrient Requirements Using Fuzzy Optimization	International Journal of Recent Technology and Engineering <b>(SCOPUS)</b>	7(6S)	2019	967-970
18.	A Mathematical Model for the Effect of Parathyroid Hormone using Fuzzy Log-Normal Distribution	International Journal of Recent Technology and Engineering <b>(SCOPUS)</b>	7(6S)	2019	971-973
19.	A MATHEMATICAL MODEL FOR THE SECRETION OF STRESS VARIABLE DOPAMINE USING FUZZY RELIABILITY ANALYSIS	Research directions	7(1)	2019	369-374
20.	Fuzzy mathematical model relative analysis for the effect of Oxytocin in PPH	International Journal of Interdisciplinary Research in Arts and Humanities	3(1)	2018	5-9
21.	A study on fuzzy expected value for the effect of Oxytocin using generalized gamma distribution	International Journal of Current Research and Modern Education	3(1)	2018	1-4
22.	A fuzzy mathematical Analysis for the effect of TRH using acceptance Sampling plans	International Journal of Pure and Applied Mathematics <b>(SCOPUS)</b>	117(5)	2017	1 - 11
23.	Fuzzy gamma process model For the effect of Corticosterone	International Journal of Pure and Applied Mathematics <b>(SCOPUS)</b>	117(5)	2017	127 - 134
24.	Analysis of Cost on an Univariate Policy of Recruitment in Manpower Planning	International Journal of Pure and Applied Mathematics <b>(SCOPUS)</b>	117(6)	2017	115 - 124
25.	A Mathematical Model for The Effect of Gastrin in Humans Using Fuzzy Weibull Distribution	International Journal of Pure and Applied Mathematics <b>(SCOPUS)</b>	117(6)	2017	155 - 164
26.	On Fuzzy Relational Modeling in the Analysis of Food Suitability for Curing Nutrient Deficiency Based on Max - Min Composition	International Journal of Pure and Applied Mathematics <b>(SCOPUS)</b>	117(6)	2017	47 - 58

27.	A mathematical model Using fuzzy Pareto Distribution for the effect of Leptin	International Journal of Pure and Applied Mathematics <b>(SCOPUS)</b>	117(6)	2017	209 - 215
28.	Fuzzy Delta Shock Model For The Effect of Antidiuretic Releasing Hormone	International Journal of Pure and Applied Mathematics <b>(SCOPUS)</b>	117(6)	2017	187 - 195
29.	Fuzzy reliability analysis For the effect of Oxytocin Using generalized Rayleigh Distribution	International Journal of Pure and Applied Mathematics <b>(SCOPUS)</b>	117(6)	2017	173 - 182
30.	Step-Stress and Truncated Acceptance Sampling Plan Model for the analysis of Vasopressin	International Journal of Pure and Applied Mathematics <b>(SCOPUS)</b>	117(6)	2017	107 - 114
31.	Acceptance sampling Model for the effects of plasma ghrelin using fuzzy frechet distribution	International Journal of Pure and Applied Mathematics <b>(SCOPUS)</b>	117(6)	2017	223 - 230
32.	On fuzzy optimization modeling in healthcare analysis based on linear programming problem	International Journal of Current Research and Modern Education( <b>ICI</b> )	2(1)	2017	124 - 131
33.	Fuzzy mathematical model for the effect of Leptin in body weight maintenance	International Journal of Computational Research and Development( <b>ICI</b> )	2(2)	2017	50 - 53
34.	A comparative mathematical analysis of fuzzy models for the effect of oxytocin	International Journal of Computational Research and Development( <b>ICI</b> )	2(2)	2017	40 - 46
35.	On fuzzy decision making modeling in diagnosing eye diseases based on feedback extension	International Journal of Advanced Trends in Engineering and Technology ( <b>ICI</b> )	2(2)	2017	138 - 140
36.	Mathematical model for the effects of Ghrelin during fasting	International Journal of Advanced Trends in Engineering and Technology ( <b>ICI</b> )	2(2)	2017	76 - 79
37.	On single objective linear model in controlling communicable diseases based on fuzzy linear programming problem	International journal of applied and advanced scientific research( <b>ICI</b> )	2(2)	2017	211 - 218
38.	Fuzzy optimization modeling in the analysis of human health care based on linear programming problem	International journal of applied and advanced scientific research( <b>ICI</b> )	2(2)	2017	82 - 90
39.	A mathematical model for the effect of Oxytocin using	International journal of applied and	2(2)	2017	20 - 24

	fuzzy generalized Rayleigh distribution	advanced scientific research( <b>ICI</b> )			
40.	Fuzzy mathematical model for the secretion of Vasopressin using acceptance sampling techniques	International journal of communication and computer technologies	5(40),Sp2	2017	362 - 373
41.	Selection Of Patient For Treatment Under Multi Criteria Decision Making Using Fuzzy Logic	International Journal of Current Research and Modern Education( <b>ICI</b> )	Special Issue, July	2017	79 - 81
42.	A Mathematical Model Using Dagum Distribution On Transient Neonatal Thyroid Stimulating Hormone	International Journal of Current Research and Modern Education( <b>ICI</b> )	Special Issue, July	2017	100 - 103
43.	A cumulative Exposure Model for the Release of Vasopressin	International journal of Engineering Research and Technology ( <b>PubMed</b> )	5(4)	2017	59-62
44.	A fuzzy mathematical approach for the effect of thyroid stimulating hormone on lactating rats using exponentiated modified weibull distribution	Global Journal of Pure and Applied Mathematics( <b>ICI</b> )	13, (2)	2017	585 - 590
45.	Fuzzy cumulative damage model for the secretion of gastrin	Global Journal of Pure and Applied Mathematics( <b>ICI</b> )	13, (2)	2017	579 - 584
46.	Fuzzy reliability analysis for the effect of vasopressin	Global Journal of Pure and Applied Mathematics( <b>ICI</b> )	13, (2)	2017	573 - 578
47.	Fuzzy mathematical model for the effect of corticosterone using multiplicative damage and threshold shock	Global Journal of Pure and Applied Mathematics( <b>ICI</b> )	13, (2)	2017	567 - 572
48.	Fuzzy log - logistic distribution model for the effect of oxytocin	Global Journal of Pure and Applied Mathematics( <b>ICI</b> )	13, (2)	2017	558 - 566
49.	Fuzzy cumulative damage models for thyroid stimulating hormone	International Journal of Advancement in Engineering Technology, Management and Applied Science	3, (9)	2016	33 - 40
50.	A mathematical model for the secretion of thyroxine and thyroid stimulating hormone in iodine deficient pregnant women by fuzzy	International Journal of Scientific research and modern education	1, (II)	2016	109 - 113



	approach				
51.	Fuzzy linear hazard rate model for the secretion of thyroid stimulating hormone in iodine deficient pregnant women	Transactions Ultimate in Linguistics, Arts & Scientific Innovations (TULASI)	4, (2)	2016	22 - 26
52.	A mathematical model for the effect of Corticosterone using fuzzy exponential Distribution	International journal of applied and advanced scientific research(ICI)	1(1)	2016	224 - 228
53.	A Fuzzy Mathematical Model for the Effect of Corticosterone	IOSR Journal of Mathematics	12(6)	2016	80 - 83
54.	Fuzzy Mathematical Model Using Quasi Renewal Process for Ghrelin Secretion	International Journal of Applied Engineering Research (SCOPUS)	11(1) Special Issue	2016	551 - 555
55.	Fuzzy Multiplicative Damage model for the effect of Corticosterone	International Journal of Applied Engineering Research (SCOPUS)	11(1) Special Issue	2016	556 - 559
56.	Fuzzy Mathematical Model Using NH Distribution for The Effect of Oxytocin	International Journal of Applied Engineering Research (SCOPUS)	11(1) Special Issue	2016	494 - 497
57.	Fuzzy Truncated Skew Laplace Distribution Model for Secretion of Vasopressin	International Journal of Applied Engineering Research (SCOPUS)	11(1) Special Issue	2016	490 - 493
58.	A Fuzzy Mathemtical model for the effect of thyrotorpin releasing Hormone	International Journal of Applied Engineering Research (SCOPUS)	11(1) Special Issue	2016	484 - 489
59.	Fuzzy Survival Model for The Effect of The Hormone Leptin	International Journal of Applied Engineering Research (SCOPUS)	11(1) Special Issue	2016	480 - 483
60.	Fuzzy mathematical modelling for the effect of oxytoxin using ENH distribution	Aryabhatta Journal of Mathematics & Informatics(ICI) (SJIF: 4.866)	8(1)	2016	89 - 96
61.	A Mathematical model for the treatment of Thyrotropin releasing hormone in humans using fuzzy approach	Aryabhatta Journal of Mathematics & Informatics(ICI) (SJIF: 4.866)	8(1)	2016	75 - 80
62.	Fuzzy threshold shock model for the effect of corticosterone	Aryabhatta Journal of Mathematics & Informatics(ICI) (SJIF: 4.866)	8(1)	2016	23 - 30
63.	Fuzzy Markov Renewal Model For The Secretion Of Corticosterone	International Journal of Mathematical Archive(ICI) (SJIF: 4.908)	7(1),	2016	1-5
64.	Fuzzy Rayleigh Distribution	IOSR Journal of	12( 4) Ver.	2016	01-05

	Model for the Expected Salivary Excretion of Oxytocin in Humans	Mathematics	III		
65.	A mathematical model for the secretion of Vasopressin using fuzzy truncated normal distribution	International Journal of Pure and Applied Mathematics <b>(Scopus)</b>	104(1),	2015	69 - 77
66.	A fuzzy mathematical model for the secretion of thyroid stimulating hormone	International journal of Mathematical Archieve	6(5),	2015	75 - 79
67.	A mathematical model for the effect of Gastrin in humans using Fuzzy Rayleigh distribution	Mathematical Theory and Modeling	5(2),	2015	122 - 127
68.	A mathematical model for the release of Vasopressin using Fuzzy step - stress approach	Control Theory and Informatics	5(20),	2015	29 - 32
69.	A New shock model for the effect of Leptin on body weight gain	Advances in Life science and Technology	29,	2015	63 - 66
70.	Acceptance sampling model for the effects of plasma Ghrelin using Fuzy exponential distribution	Advances in Life science and Technology	29,	2015	67 - 70
71.	A stochastic recoupmnt model for the increase of Oxytoxin due to human stress	Journal of Health, Medicine and Nursing	10,	2015	126 - 130
72.	A cumulative exposure model for the administration of Vasopressin in animals	Intern. J. Fuzzy Mathematical Archieve	6(1),	2015	63 - 68
73.	A fuzzy delta shock model for the effect of Thyrotropin releasing hormone	Intern. J. Fuzzy Mathematical Archieve	7(2),	2015	129 - 133
74.	Fuzzy reliability model for the effect of corticosterone based on three parameter Weibull distribution	Jamal Academic research Journal: An interdiscipilinary	--	2015	202 - 204
75.	Acceptance Sampling model for the stimulation of Ghrelin using fuzzy beta distribution	Jamal Academic research Journal: An interdiscipilinary	--	2015	211 - 215
76.	Acceptance sampling for the secretion of Gastrin using crisp and fuzzy Weibull distribution	Int. Journal of Engineering Research and Applications	4(2),	2014	564-569
77.	A Fuzzy mathematical model for the effect of Gastrin in humans	International journal of Science and Research	3(7),	2014	897 - 900

		<b>(SJIF: 4.438)</b>			
78.	A Mathematical Model for the effect of TRH on acetylcholine using Fuzzy Truncated Gamma Distribution	International Journal of Mathematical Archive <b>(IF: 4.091)</b>	5(7),	2014	172 - 176
79.	Acceptance sampling for the Vasopressin release using crisp and Fuzzy normal distribution	American Journal of Mathematics and Mathematical sciences	3(1) ,	2014	51 - 57
80.	Acceptance sampling for the influence of TRH using crisp and fuzzy gamma distribution	Aryabhatta Journal of Mathematics & Informatics( <b>ICI</b> ) <b>(IF: 0.489)</b>	6(1),	2014	119 - 124
81.	Fuzzy Reliability Analysis for the effect of TRH based on Gamma Distribution	International Journal of Engineering Research and Applications <b>(IF: 1.69)</b>	3(6),	2013	1295 - 1298
82.	Fuzzy Reliability Analysis for the effect of Vasopressin based on Normal distribution	AryaBhatta Journal of Mathematics & Informatics( <b>ICI</b> ) <b>(SJIF: 4.1)</b>	5(2),	2013	389 - 394
83.	A shock model approach to the increase of Dopamine due to the effect of phencyclidine	Acta Ciencia Indica	XXXVIM(2),	2010	253 - 257,
84.	Multivariate Weibull - Inverse Gaussian Distribution model for the effect of stress on extra cellular Dopamine levels	Pure and Applied Matematika Sciences	LXXII, (1-2),	2010	47 - 53
85.	A Cumulative Damage Threshold crossing model for the effect of stress on Dopamine levels in the cortical areas	Bio-Science Research Bulletin ( <b>ICI</b> )	25 (1)	2009	29 - 34
86.	A total downtime distribution model for the release of dopamine induced by Methamphetamine	Acta Ciencia Indica	XXXVM(1),	2009	305 - 309
87.	A Shock Model approach for stress induced dopamine in the medial prefrontal cortex	Antarctica J. Math	6(1),	2009	59 - 64
88.	Exponentiated Weibull model for the effect of stress - A graphical approach	Antarctica J. Math	6(2),	2009	145 - 151
89.	Stochastic Model for the secretion of Dopamine due to stress leading to schizophrenia	Journal of Indian Academy of Mathematics	31 (1),	2009	77 - 83
90.	Conditional and marginal regression models for the effect of Dopamine on human retinal vessel diameter	Bio-Science Research Bulletin( <b>ICI</b> )	23 (2)	2007	113 - 117

**BOOK CHAPTER PUBLISHED:**

<b>Sl. No.</b>	<b>Name of the Book / Title of the Article / Book / Editor</b>	<b>Publisher</b>	<b>Place and Year of Publication</b>
1.	Advances in Mathematics: Scientific development and engineering applications, "A <i>bivariate survival model for the effect of stress on dopamine levels,</i> " Editor: S. Lakshmi	Narosa Publishers	New Delhi, 2009
2.	Advances in Mathematics: Scientific development and engineering applications, " <i>Shock models and its Applications in System Reliability,</i> " Editor: S. Lakshmi	Narosa Publishers	New Delhi, 2009

**GUEST LECTURES DELIVERED:**

<b>Sl. No.</b>	<b>Title of the Guest Lecture</b>	<b>Place</b>	<b>Date</b>
1.	Mathematical modelling	A. V. C. College, Mayiladuthurai	09 – 03 – 2020
2.	Applicable Mathematics	Annai velankanni Arts and Science College, Thanjavur	29 – 07 – 2019
3.	Real World Application of Mathematics	Meenakshi Chandrasekar college, Pattukkottai	09 – 03 - 2019
4.	Mathematical Modeling and its Applications	Bon Secours College for Women	04 – 02 - 2019
5.	Mathematical Modeling	Rabiammal Mohaideen college, Tiruvarur	29 – 08 – 2018
6.	Mathematics in Day to Day life	Cauvery College, Tiruchirappalli	10 – 08 – 2018
7.	Mathematical Modeling and Applications of Mathematics	Mass College of Arts and Science, Kumbakonam	06 – 03 – 2018
8.	Role of Mathematics in real world	Annai College of Arts & Science, Kumbakonam	01 – 03 – 2017
9.	Applicable Mathematics	Bharath College of Science and Management	12 – 08 – 2016
10.	Applicable Mathematics and modeling	E. G. S. Pillay Arts & Science College, Nagapattinam	04 – 08 – 2016
11.	National Seminar on Recent trends in Mathematics	Dhanalakshmi Srinivasan College of Arts & Science for Women, Perambalur	26 – 02 – 2016
12.	Mathematical modelling and Applications of Mathematics	Tamilvel Umamaheswaranar Karanthai Arts College, Karanthai, Thanjavur	05 – 02 – 2016
13.	Application of Mathematics	Don Bosco College of Arts & Science, Keela Eral, Thoothukudi (Dt.)	04 – 09 – 2015
14.	Mathematics and Applications	Annai velananni Arts and Science College, Thanjavur	18 – 08 – 2015
15.	Mathematics in Day to Day life	Bharathidasan University constituent college for women, Orathanadu	09 – 02 – 2015
16.	Mathematics in real world	Maruthupandiyar college, Thanjavur	04 – 02 – 2015
17.	Role of Mathematics in Science and Engineering	Srimathi Indira Gandhi College, Tiruchirappalli	06 – 09 - 2012

**ANNEXURE – VIII****RESEARCH PROJECTS – ONGOING AND COMPLETED:**

Sl. No.	Title of the project	Minor / Major	Name of the Funding Agency	Period	Amount Sanctioned	UC Submitted
1.	Mathematical Models for the Secretion of Stress variable Dopamine in Medicine	Minor	UGC	01 – 02 – 2015 To 31 – 01 – 2017	2,10,000/-	Yes

**ANNEXURE – IX****SEMINARS, CONFERENCES, SYMPOSIA, WORKSHOPS ORGANIZED:**

Sl. No.	Title of the Seminar/Conference/Symposia Workshop	Name of the Sponsoring Agency	Amount Sanctioned	Period	UC submitted If Yes, Date and Year
1.	National conference on EMERGING TRENDS IN MATHEMATICS (NCETM – 2017)	Nil	---	28.07.2017	---
2.	Workshop on RESEARCH METHODOLOGY, SCIENTIFIC WRITING AND STATISTICAL DATA ANALYSIS	Nil	---	05.10.2018, 06.10.2018	---

**ANNEXURE – X****Research Experience (M.Phil.) – Guided and Guiding**

Sl. No.	Name of the Scholar	Title of the Dissertation	Year of Study	University
1.	P. Nithya	A Study on the Mathematical models for Bioscience	2014 – 2015	Bharathidasan University
2.	M. Saranya	A Study on the Human thermal models	2014 – 2015	"
3.	S. M. Rajeshkumar	A Study on Zombia threat by Mathematical modeling	2015 – 2016	"
4.	K. Vasuki	A Study on Delay models	2015 – 2016	"
5.	C. Kiruthika	A Study on Mathematical modelling about the Ground-water flow system	2015 – 2016	"
6.	M. Arthi	A Study on mathematical models for the genetic problems	2015 – 2016	"
7.	M. Bairavi	A Study on fuzzy equation related to prevention brain tumor	2015 – 2016	"
8.	R. SanthanaRamaswami	A Treatment for obesity human energy regulation using mathematical modeling	2014 – 2016	"
9.	R. Radhika	Mathematical modelling for the spread of infectious diseases	2014 – 2016	"

10.	R. Saranya	A Study on Hypothalamus – Pituitary – Thyroid(HPT) Axis in autoimmune (Hashimoto’s) Thyroids	2016 – 2017	“
11.	S. Abinaya	A study on an examination of mathematical models for infectious disease	2016 – 2017	“
12.	N. Manivel	Application of Fuzzy logic in transport planning	2015 – 2017	“
13.	M. Bharathiraja	Mathematical Modeling of HIV with antiretroviral treatment and herbal medicine	2016 – 2018	“
14.	D. Chithra	Application of Mathematical modelling on efficiency of solar cells by cooling techniques	2016 – 2018	“
15.	S. Kumaripriya	A study on Air pollution using mathematical modeling	2016 – 2018	“
16.	R. Anusuya	On the study of growth models	2017 – 2018	“
17.	J. Lakshmi subasri	A study on Mathematical models for the social measures	2017 – 2018	“
18.	C. S. Vennila	A study on Alternate double triangular snake graphs	2017 – 2019	“
19.	V. Arivazhagan	Modelling with fuzzy matrices in medical science	2017 – 2019	“
20.	A. Mythili	Modelling vehicle traffic flow with partial differential equations	2017 – 2019	“
21.	V. Ramya	A study in Mathematical modelling for whether forecasting	2018 – 2019	“

#### ANNEXURE – XI

#### Research Experience (Ph.D.) – Awarded, Submitted and Guiding

Sl. No	Name of the students	Title of the thesis	Thesis Submitted	Awarded	Name of the university	Month and Year
1.	Mr. S. Elango	A Study on Mathematical Models for the effect of Thyrotropin releasing hormone	---	Awarded	Bharathiar University, Coimbatore	July 2018
2.	Mr. S. Mohan Kumar	A Study on Fuzzy Mathematical Models for the release of Vasopressin	---	Awarded	Bharathiar University, Coimbatore	Nov 2018
3.	Mr. G. Sivakumar	On Fuzzy Mathematical Modeling in the analysis of Healthcare for Optimizing Human productive loss	---	Awarded	Bharathidasan University, Tiruchirappalli	Nov 2018

4.	Mr. P. Senthil Kumar	A study on Fuzzy Mathematical Models for the effect of Corticosterone	---	Awarded	Bharathidasan University, Tiruchirappalli	Oct 2019
5.	Mr. P. Manikandan	A study on Mathematical Analysis for the effect of Oxytoxin in Fuzzy environment	---	Awarded	Bharathidasan University, Tiruchirappalli	June 2020
6.	S. Ramesh Babu	A STUDY ON FUZZY MATHEMATICAL MODELING IN THE ANALYSIS OF GHRELIN	Submitted	---	Bharathidasan University, Tiruchirappalli	---
7.	K. Vetrivel	A STUDY ON FUZZY MATHEMATICAL MODELS FOR THE EFFECT OF HORMONE LEPTIN	Submitted	---	Bharathidasan University, Tiruchirappalli	---
8.	G. Subramani	Guiding	---	---	Bharathidasan University, Tiruchirappalli	Oct 2015 – till date
9.	S. Prakasam	A STUDY ON MATHEMATICAL MODELS FOR THE PARATHYROID HORMONE EFFECTS USING FUZZY APPROACH	Submitted	---	Bharathidasan University, Tiruchirappalli	---
10.	P. Manikandan	Guiding	---	---	Bharathidasan University, Tiruchirappalli	Jan 2018 – till date
11.	A. Britto Manoj	Guiding	---	---	Bharathidasan University, Tiruchirappalli	Jan 2018 – till date

#### ANNEXURE – XII

#### PARTICIPATION IN ACADEMIC RESEARCH BODIES IN OTHER INSTITUTIONS: (Mention the period in the relevant column)

Name of the Institution	Academic Council	BOS	Research committee	Academic Audit committee	Member in University committee	Any other (specify)
K.N. Govt Arts College for Women, Thanjavur	---	---	2014 onwards	---	---	---
Rajah Serfoji Govt. College, Thanjavur	---	---	2014 onwards	---	---	---
Srimath Andavar College of Arts & Science, Srirangam, Tiruchirappalli	---	---	2014 onwards	---	---	---



Government Arts College for Men, kumbakonam	---	---	2015 onwards	---	---	---
Maruthu Pandiyar College of Arts and Science	---	---	2016 onwards	---	---	---
Government Arts College, Ariyalur	---	---	2017 onwards	---	---	---
Poombukar College, Poombukar	---	---	2017 onwards	---	---	---

#### ANNEXURE – XIII

#### SERVICE IN ACADEMIC / EXTRA CURRICULAR/ EXTENSION ACTIVITIES

Sl. No.	Name of the Activity	Period
1.	Career Guidance & counselling cell	2014 – 2016
2.	Time Table Committee	2016 – 2019
3.	Academic Council member	2016 – 2018
4.	IQAC Member	2018 onwards

#### ANNEXURE – XIV

#### MEMBERSHIP IN PROFESSIONAL BODIES

Name of the Professional Body	National/International	Period
Member – Indian Society for the History of Mathematics	National	2007 – 2008
Scientific and Technical committee & Editorial Review board member – World Academy of Science, Engineering and Technology	International	--
Member – International Association of Engineers	International	--
Senior Member – Institute of Research Engineers and Doctors, Universal Association of Arts and Management Professionals	International	2016 – 2019
Member – International Society for Development and Sustainability	International	--

#### ANNEXURE – XV

#### HONORS AND AWARDS RECEIVED :

S.No.	Name of Award	Awarding Agency	Year
1.	Certificate of Appreciation	Anjalai Ammal Mahalingam Engineering College, Kovilvanni.	2007-2008
2.	100 % result Award	Anjalai Ammal Mahalingam Engineering College, Kovilvanni.	2009-2010
3.	Best Faculty in Rural Institution	Arunai International Research Foundation	2017