



THIRUVALLUVAR UNIVERSITY

VELLORE – 632 115



1. **Name in full** : Dr. (Mrs.) M.CHITRA
2. **Father's Name** : A.Manikandan
3. **Husband Name** : Dr. S. Parthasarathy
4. **Department** : Department of Mathematics,
Thiruvalluvar University
5. **Current Designation & Grade Pay** : Associate Professor, Rs.9000/-
6. **Date of birth** : 12.05.1968
7. **Sex** : Female
8. **Marital Status** : Married
9. **Nationality** : Indian
10. **Indicate whether belong to SC/ST/OBC category** : BC
11. **Address for correspondence** : Associate Professor
Department of Mathematics
Thiruvalluvar University
Vellore - 632115, India.
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12. **Permanent Address** : **No 291/68, 300/5, Teachers colony,**
Barneespuram, Chenguttai,
Katpadi, Vellore – 632 007.

13. Details of Academic Qualifications

Examinations	Name of the Board/ University	Year of passing	Percentage of marks obtained	Division/ Class/ Grade	Subject
SSLC	Tamilnadu State Board	1984	70	I	Academic
+2	Tamilnadu State Board	1986	58	II	Academic
B.Sc.,	Madras University	1989	72	I	Mathematics

M.Sc.,	Madras University	1991	64	I	Mathematics
M.Phil.	Madras University	1992	80	I	Mathematics
B.Ed.,	Annamalai University	1993	55	II	Mathematics
Ph.D.	Annamalai University	2007	Mathematics		
DCA	BITS & BYTES	1993	-	-	Fortran

14. Degree with Research Topics

Degree	Title	Date of award	University
Ph.D.,	Mathematical Models on Some Physiological Transport Process	30.07.2007	Annamalai University

15. Appointments held prior to joining this Thiruvalluvar University

Designation	Name of Employer	Date of Joining		Salary with Grade
		Joining	Leaving	
Lecture	Auxilium College	July 1994	March 1996	Consolidated
Lecturer	Sriram Engineering College	June 1996	June 1998	Rs.2200-75
Lecturer	Annamalai University	14.12.1998	13.12.2003	Rs.2200-75-100-4000
Lecture (S.S)	Annamalai University	14.12.2003	03.02.2009	Rs.10,000 + 200PP
Reader	Annamalai University	04.02.2009	07.04.2011	Rs.12420-420

16. Post held after appointment at this Thiruvalluvar University

Designation	Name of the Institution	Period		Total Experience
		From	To	
Associate Professor	Department of Mathematics Thiruvalluvar University Vellore	08.04.2011	Till date	4 Years 10 Months

17. Period of teaching experience : 22 years

18. Research Experience excluding years spent in M.Phil/ Ph.D. (in years) : 6 years

19. Fields of Specialization under the Subject / Discipline

- Mathematical Modeling
- Fluid Dynamics
- Applied Statistics

20. Number of Journals Published:

(i) **National** : **04**
(ii) **International** : **13**

21. Number of Seminars attended / Papers Presented.

(i) **National** : **-**
(ii) **International** : **11**

22. (a). Number of Ph.D., Students guided.

(i) **Doing** : **06**

(b). Number of M.Phil., Students guided.

(i) **Awarded** : **16**
(ii) **Submitted** : **05**
(ii) **Doing** : **04**

23. Academic Staff College Orientation / Refresher Course

Name of the Course / Summer School	Place	Duration	Sponsoring Agency
UGC Orientation Programme	Pondicherry University	03.06.1999 To 30.06.1999	UGC Academic Staff College
UGC Refresher Course	Annamalai University	05.06.2002 To 25.06.2002	UGC Academic Staff College
UGC Refresher Course	Annamalai University	31.10.2003	UGC Academic

		To 20.11.2003	Staff College
UGC Refresher Course	Pondicherry university	27.05.2009 To 16.06.2009	UGC Academic Staff College
UGC Refresher Course	University of Madras	05.11.2009 To 25.11.2009	UGC Academic Staff College

24. Co-Curricular, Extension and Profession-Related Activities:

- Member – Dental Health Check-up Camp (2014)
- Member - Women’s Day Celebration (2014)
- Member Selection Committee -DST Sponsored Project for JRF selection (2014)
- Convener - Women’s Day Celebration (2013)
- Member – Soft skill development
- Member Selection Committee - NBHM Sponsored Project for JRF selection (2012).
- Member - Academic Council, Thiruvalluvar University, Vellore 2012-2015.
- Member - Academic Council, Deivaanai Ammal College for Women, Villupuram. 2012-2015.
- Convener: Protection of Women’s Sexual Harassment Committee (2011).
- Member – Women’s Development Unit (2013).
- Ph.D., Degree Doctoral Committee – Thiruvalluvar University

- Chief Superintendent: Thiruvalluvar University oncampus theory examination, November/December – 2012.
- Member Board of Studies: Department of Mathematics, Thiruvalluvar University (2014).
- Member Board of Studies: Department of Mathematics, Annamalai University (2014).
- Member Board of Studies: Department of Mathematics, Madurai Kamaraj University (2014).
- **Question Paper Settings:**
 - Bharathiyar University (PG)
 - TIDE (Thiruvalluvar University – UG)
 - Annamalai University (UG and PG)
 - Anna University (UG and PG)
 - Madras University (UG and PG)
 - Adiparasakthi College of Arts and Science (UG).
- **External Examiner :**
 - ❖ Ph.D., viva-voce examination :
 - Jamal Mohamed College, PG Research Center, Department of Mathematics, Tiruchirapalli.
 - ❖ M.Phil., viva-voce examination :
 - Department of Mathematics. Thiruvalluvar University.
 - Department of Mathematics. Annamalai University
 - Department of Mathematics, Auxillium College, Vellore.
 - Department of Mathematics, DKM College, Vellore.

25. PUBLISHED PAPERS IN JOURNALS

	Title with page nos.	Journal	ISBN/ISSN No	Whether peer reviewed Impact Factor, if any	No. of Co-author	Whether you are the main author or Corresponding author
1	Effects of Chemical Exposure with Aerosol Particles through the Human Airways, PP982-986.	<i>International Journal of Science and Research (IJSR)</i> , Vol. 3 (9).2014.	2319-7064	3.358	1	Main Author
2	<i>Effects of Air-Mucus Interface through a Human Trachea with Mild Constriction of Aerosols.</i> PP15220-233.	international journal of innovative research in science, engineering and technology, Vol. 3(8), 2014,	2319 8753	1.7	1	Main Author
3	Expected Time to Recruitment in Man Power Planning Using EE Distribution.	<i>International Journal Of Scientific Research and Management</i> , Vol.2(7), 2014.	23213418		1	Corresponding Author
4	Unsteady of Deposition of Sub-micro Changed Particles in Human Respiratory Tract. PP14639-645.	international journal of innovative research in science, engineering and technology, Vol 3(8), 2014,	2319 8753.	1.7	1	Main Author
5	To Determine Optimal Manpower Recruitment Size in Stochastic Model, PP-28-36	<i>International Journal of Mathematics and Statistics Invention</i> . Vol. 2(7), 2014.	2321 – 4767		2	Corresponding Author
6	Mean and Variance of the time to recruitment in a Two Graded Manpower System using the threshold has Kumaraswamy Generalized Gamma distribution, PP298-303.	The International Journal Of Science & Technoledge, Vol. 2(5), 298-303. 2014	2321 919X		2	Corresponding Author
7	Estimating the propensity to leave the Primary job using Cox's Regression Model, PP77-80.	International Journal of Research Vol. 3 (2), 2014,	2231 – 6124		2	Corresponding Author
8	The Kumaraswamy-Generalized Gamma Distribution: Determination of Expected time to Recruitment in Manpower Planning. Pp.51-59.	International Journal of Statistics and Systems, Vol. 9(1), 2014.	0973-2675		2	Corresponding Author
9	A Cylindrical Model for Muco-Ciliary Transport in The Human Trachea, Effects of Mucus-Visco	<i>International Journal Of Scientific Research and Management</i> , Vol.2(7), 2014.	23213418	4.438	1	Corresponding Author

	Elasticity and Porosity					
10	Independent of Two Grade system in Manpower System	<i>International Journal Of Scientific Research and Management, Vol.2(7), 2014.</i>	23213418	4.438	1	Corresponding Author

26. Papers presented in Conferences, Seminars, Workshops, Symposium

S. No	Title of the Paper presented	Title of Conference/ Seminar etc.	Organized By	Whether international/ national/ state/ regional/college or university level
1.	An Application of Geometric Process in MP	International Conference on Leading Beyond Horizon : Engaging Future	Annamalai University, 28-30 July 2011	International
2.	An application of Stochastic Model to HIV infection using EE-distribution	XI Biennial Conference of the International Biometric Society (Indian Region) on Computational Statistics and Bio-Sciences	Pondicherry Univesity, Puducherry. March 8-9, 2012.	International
3	A Manpower Planning Model Using EE-distribution	National Conference on Mathematical Modeling – (NCMM 2012)	Annamalai University, February 23-24, 2012.	National
4	An Application of Stochastic Model to HIV infection using EE distribution	International Conference on Frontiers of Statistics and Its Applications in Connection with XXXII Annual Covention of Indian Society For Probability and Statistics (ISPS)	Pondicherry University, Puducherry. 21-23, December 2012	International
5	Estimating the Propensity to leave the Primary Job	International Conference on Role of Statistics in the Advancement of Science and Technology on the occasion of Diamond Jubilee Year of the	University of Pune, Pune December 16-18, 2013	International
6	To determine Optimal manpower Recruitment size in Stochastic Model.	National Conference on Recent Advances in Mathematics, NCRAM 2014	Saradha Gangadharan College, Puducherry held on 16 th March 2014	National
7	Estimating the Propensity to leave the Primary Job follows Weibull Distribution	National Conference on Mathematical Modelling – 2014 (NCMM 2014)	Annamalai University, February 21-22, 2014	National

	using Cox's Regression Model			
8	The KumGG Distribution : Determination of Expected Time to Recruitment in Manpower Planning	International Conference on Statistics & Information Technology For a Growing Nation. (30Nov-02Dec,2014) XXXIV Annual Convention of ISPS.	Department of Statistics (UGC-SAP-DRS-I&DST-FIST, Sri Venkateswara University, Tirupati,A.P)	Internatinal
9	Optimal Policies for Cumulative Damage Models in Manpower Planning	International Conference on Statistics & Information Technology For a Growing Nation. (30Nov-02Dec,2014) XXXIV Annual Convention of ISPS.	Department of Statistics (UGC-SAP-DRS-I&DST-FIST, Sri Venkateswara University, Tirupati,A.P)	Internatinal
10	Unsteady flow of a dust particles of the fluid through a channel flow with arbitrary time varying pressure gradient	International Conference on New Horizons in Statistical Modeling Applications (NHSMA-2015)	Department Statistics, Presidency College, Feburary 27-28, 2015	Internatinal
11	In Manpower Planning using CDP to determine the optimal recruitment size	International Conference on New Horizons in Statistical Modeling Applications (NHSMA-2015)	Department Statistics, Presidency College, Feburary 27-28, 2015	Internatinal
12	A Study of Stochastic Model in HIV – a parametric change in Exponentiated Exponential Distribution	Recent Trends in Statistical Theory and Practice (NCRTP-2015).	Department Statistics, Madras university, March 16-17, 2015	National

27. Research Guidance

S. No	Degree	Number Enrolled	Thesis Submitted	Degree Awarded
1	Ph.D.,	6	Doing	-
2	M.Phil.,	25	5 submitted 4 doing	16

Place : Serkadu
Date : 23.02.2016

M. CHITRA
Signature of the faculty

Submitted by
Dr.M.Chitra, M.Sc., M.Phil., B.Ed.,Ph.D.,
Associate Professor
Department of Mathematics,
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Serkadu
Vellore – 632 115. Date : 23.02.2016.