

FACULTY DATA SHEET



Name of the Faculty Member : **Dr.M.VENKATACHALAPATHY**

Present Designation : **PROFESSOR**

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I. Particulars of Educational Qualification :

1. Studied B.Sc – MATHEMATICS at BHARATHIDASAN University, 1995-1998 year
2. Studied M.Sc- MATHEMATICS at BHARATHIDASAN University, 1999-2001 year
3. Studied M.Phil- MATHEMATICS at BHARATHIDASAN University, 2001-2003 year
4. Got Ph.D in MATHEMATICS at BHARATHIDASAN University, 2012-2015 year

II. Title of Ph.D. Thesis

: A Study on Transportation Problems Under Fuzzy Environment

III. Additional Qualification

- i. GATE Score (In case of B.E./B.Tech.) :
- ii. NET / SLET (In case of M.C.A. /M.Sc. /M.A.) :

IV. Academic Experience :

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Thanthai Hans Rover College, Perambalur	LECTURER	20.08.2003	29.08.2005	2	--	9
Oxford Engineering College, Trichy	ASSISTANT PROFESSOR	30.08.2005	31.12.2015	10	4	
K.Ramakrishnan College of Engineering, Trichy,	PROFESSOR	06.01.2016	TILL DATE	2	7	
				14	11	9

VI. List of Publications :

D) INTERNATIONAL JOURNALS: 16

Publication in International Journals :

1. On Solving Generalized Exponential Trapezoidal Fuzzy Numbers Using Ranking Functions , **M.Venkatachalapathy**,S.Muthuperumal, International Journal of Pure and Applied Mathematics, Volume 118 No. 6 2018, 201-207(**SCOPUS INDEXED**)
2. A Study On Solving Generalized Trapezoidal Fuzzy Transportation Problem With Mixed Constraints Using Ranking Function, **M.Venkatachalapathy**,S.Muthuperumal, TAGA JOURNAL VOL. 14,2018
3. A Study on Solving Octagonal Fuzzy Numbers Using Modified Vogel's Approximation Method, M.Venkatachalapathy, A.Jayaraja and A.Edward Samuel, International Journal of Pure and Applied Mathematics, Volume 118 No. 6 2018, 201-207(**SCOPUS INDEXED**)
4. An Alternative Method for Solving Fuzzy Transportation Problem using Ranking Function, **M.Venkatachalapathy** and A. Edward Samuel, International Journal of Applied Mathematical Sciences, Volume 9, Number 1 (2016), pp. 61-68.
5. Some trends in Line Graphs,**M.Venkatachalapathy**, Advances in Theoretical and Applied Mathematics, Volume 11, Number 2 (2016), pp. 171-178.
6. Improving IZPM for Unbalanced Fuzzy Transportation Problems A. Edward Samuel and **M.Venkatachalapathy**, International Journal of Pure and Applied Mathematics, Vol.94, No.3 (2014) 419-424. (**Annexure II, Anna University Journal**). (**SCOPUS INDEXED**)
7. IZPM for Unbalanced Fuzzy Transportation Problems, A. Edward Samuel, **M. Venkatachalapathy**, International Journal of Pure and Applied Mathematics, IJPAM: Volume 86, No. 4 (2013). (**Annexure II, Anna University Journal**). (**SCOPUS INDEXED**)
8. Improved Zero Point Method For Solving Fuzzy Transportation Problems Using Ranking Function Samuel, A. Edward; **Venkatachalapathy, M.** Far East Journal of Mathematical Sciences (FJMS), Vol.75, No.1 (2013) 85-100. (**Annexure II, Anna University Journal**). (**SCOPUS INDEXED**)

9. A Simple Solving Generalized Fuzzy Transportation Problems, A.Edward Samuel and **M. Venkatachalapathy** International Journal of Pure and Applied Mathematics, Vol.83,No.1 2013, 91-100. (**Annexure II, Anna University Journal**). (**SCOPUS INDEXED**)
10. A New Procedure For Solving Generalized Trapezoidal Fuzzy Transportation Problem, A. Edward Samuel and **M. Venkatachalapathy**, Advances in Fuzzy Sets and Systems, Volume 12, Issue 2, Pages 111 - 125 (August 2012).
11. A New Dual Based Approach For The Unbalanced Fuzzy *Transportation Problem*, A. Edward Samuel and **M. Venkatachalapathy**, Applied Mathematical Sciences, Volume.6,2012, No. 89,4443-4455.(**Anna University Journal list Annexure-II**). (**SCOPUS INDEXED**)
12. Modified Vogel's Approximation Method For Fuzzy Transportation Problems, A.Edward Samuel and **M.Venkatachalapathy**, Applied Mathematical Sciences, Vol.5, 2011, No.28, 1367-1372. (**Annexure II, Anna university Journal**). (**SCOPUS INDEXED**)
13. A Derivation of a Differential Equations for the Hypergeometric function , **M.Venkatachalapathy** and S.V.Manemaran,Narosa Publishing House,New Delhi,2010,Page.No.372-376.
14. A Simple and short Proof of Fermat's last Theorem, **M.Venkatachalapathy** and *R.Prabhu*, Narosa Publishing House, New Delhi,2010,Page.No.391-398.
15. Note on the cubic Diophantine Equation $x^3-y+1=xyz$, *M.A.Gopalan* and **M.Venkatachalapathy**, Applied Science Periodical Vol.5, No.3,2003,Page.No. 175-176.
16. Note on the cubic Diophantine Equation $x^3+y+1=xyz$, *M.A.Gopalan* and **M.Venkatachalapathy**, Acta Ciencia Indica Mathematics, 2003,Vol.29, Part-1, Pages 115-116, Publisher Prahati Prakashan,Meerut.ISBN:ISSN-0970-0455-India.

II) NATIONAL JOURNALS

III) INTERNATIONAL CONFERENCES

1. An Alternative Method for Solving Fuzzy Transportation Problem using Ranking Function, M.Venkatachalapathy and A. Edward Samuel, presented at NIT, Trichy
2. Some trends in Line Graphs, M.Venkatachalapathy,K.Kokila,Abarna presented at NIT, Trichy

3. A New Approach For Solving Fuzzy Unbalanced Transportation Problems using generalized trapezoidal fuzzy numbers, A. Edward Samuel and M. Venkatachalapathy, International Conference on Mathematical Modeling and Applied Soft Computing, MMASC – 2012,Coimbatore Institute Technology, Coimbatore.

IV. NATIONAL CONFERENCE

1. A Derivation of a Differential Equations for the Hypergeometric function , M.Venkatachalapathy , National Conference on Advances in Mathematics: Scientific Development and Engineering Applications, organized by Department of Mathematics,Kundavai Naachiyar Govt. Arts College for Women (Autonomous), Thanjavur.
2. A Simple and short Proof of Fermat’s last Theorem, *M.Venkatachalapathy* and *R.Prabhu*, National Conference on Advances in Mathematics: Scientific Development and Engineering Applications, organized by Department of Mathematics,Kundavai Naachiyar Govt. Arts College for Women (Autonomous), Thanjavur.

V. BOOKS PUBLISHED:

1. Multiple Integral by M.Venkatachalapathy, Mercury Publications, Perambalur.August-2008 with ISBN NO. 978-83-80008-10-3.
2. Vector Calculus by M.Venkatachalapathy, Mercury Publications, Perambalur.August-2008 with ISBN NO. 978-83-80008-01-1
3. Engineering Mathematics-III Q&A by M.Venkatachalapathy.

GRANTS RECEIVED :

PATENTS :

Sl.No.	Title	Name of Applicants	Patent No.	Award Date	Agency/Country	Status
						Under Publication
						Under Publication

OTHER RESPONSIBILITIES HELD:

VII. List of Short Term Course Attended :

1	The MHRD-AICTE Sponsored Staff Development Programme on “Energy Practices on Fuzzy Logic ,Neural Networks and Hybrid Intelligence Systems” Organized by the	Department Mathematics and Electrical Electronics Engineering , National Institute of Technology,Trichirappalli	from 15th June to 27 th June 2009.	
	IGCAR Theme Meeting on	“Nuclear Technologies for materials Research, Industry and Society” Organized by Vellammal College of Engineering and Technology, Madurai	from 27 th to 29 April - 2009.	

VIII. List of Short Term Course Organized :

Sl.No.	Name of the Programme	Duration	From	To	Place	Resource Person

My Citations & H-Index, I10-Index:

Since from 2013 to till date

	All	Since 2012
Citations	81	71
h-index	4	4
i10-index	3	2

Personal Memoranda:

Date of Birth : 02.06.1978

Status : Married

Religion : Hindu

Father's Name : A.MAGARAJAN

Permanent Address : Siluvaicherry
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