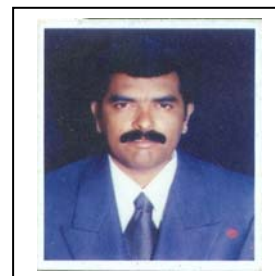


## STAFF PROFILE

(use Times New Roman Font size 11 or 12)



**Name** : Dr.K.M.DHARMALINGAM

**Designation** : ASSISTANT PROFESSOR

**Date of Entry into Service** : 06/02/1993 (Self finance Stream)  
02/03/2007 (Regular Stream)

**E-mail** : [kmdharma6902@yahoo.in](mailto:kmdharma6902@yahoo.in)

**Mobile (Optional)** : 9443930703

**Education** : M.Sc.,M.Phil.,Ph.D.,M.Ed.,PGDCA.,DGT

**Areas of specialization** : Graph Theory

### Projects undertaken

Title of the Project	Name of the funding Agency	Duration	Completed/Ongoing	Amount	Remarks
Domination from Equitable Perspective	UGC	18 months	Completed	Rs.70,000/-	Completed

### Seminars Organized

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/International	Co-ordinator/Convener
Advances in Mathematics and its Applications	26/10/2014	UGC	State Level Seminar	Convener

### Seminars, Workshop and Conferences Attended :

Title of the Seminar/Conference/Workshop	Date	Sponsoring Agency	National/State/International	Organization in which attended
<b>See Annexure A</b>				

**Books Published: Nil**

Title of the Book Published	ISBN No.	Publisher if any	Year of Publishing	Authored/Edited
-	-	-	-	-

**Research Publications: See Annexure B**

Title of the Journal	ISSN No. if any	Volume No. & Page No. if any	Year	International/ National/State
<b>See Annexure B</b>				

**Research Activities**

Degree	No. Awarded	No. Submitted	No. Guiding
M.Phil.,	15	-	4
Ph.D.,(Part-time)	6	3	8
Ph.D. (Full-time)	-	-	-

**Details of Invited Lecture / Resource Person**

Place	Date	Sponsoring Agency	Topic	Audience type	International/National/State Level
Thiagarajar College of Preceptors, Madurai	2013	-	Statistics	Students	-

**Academic Council/Board of Studies Member See Annexure C**

Institution	For a period of	Dept.
<b>See Annexure C</b>		

**Honours Achieved**

Agency	Recognition IN/National/State	Cash award if any(Amount)	For the service of
-	-	-	-

**Service in Extra Curricular Activities (NSS/NCC/AEEP/YRC/MCCA/Club etc.,)**

Whether NSS/NCC/AEEP/YRC	Period
-	-
-	-

**Reviewer/editor of a journal**

Title of the Journal	ISSN No. if any	International/National/State	Impact factor/h-index
Bulletin of the International Mathematical Virtual Institute	2303 -4874	International	0.4814

**Details of Orientation and Refresher attended**

Orientation/Refresher	University/College/Institute at which attended	Duration	
Orientation Course	Madurai Kamaraj University, Madurai	24/09/2008	21/10/2008
Refresher Course	Madurai Kamaraj University, Madurai	07/02/2012	27/02/2012
Refresher Course	Madurai Kamaraj University, Madurai	03/02/2015	23/02/2015

**Any Other Information : Nil****Teaching Experience**

- ❖ Lecture & Head, Department of Mathematics, SLS.M.A.V.M.M.A.V.College, Madurai – 14 from 06.02.1993 to 01.03.2006
- ❖ Teacher in Mathematics, Department of Mathematics, DDE, Madurai Kamaraj University, Madurai – 21 from 02.03.2006 to 01.03.2007
- ❖ Assistant Professor, Department of Mathematics, The Madura College, Madurai –11, from 02.03.2007 to till date.

## Annexure- A

### Papers presented in Conferences, Seminars, Workshops, Symposia

S. No.	Title of the Paper presented	Title of Conference/ Seminar etc.	Organised by	Whether international/ national/ state/ regional/college or university level
1	Out Degree Equitable Domination in Graph	Recent Advancements in Algebraic Graph Theory	Saraswathi Narayanan College, Madurai – 22, from 29 <sup>th</sup> - 31 <sup>st</sup> March 2007.	National
2	Bottleneck Domination in Graphs	Applied Mathematics	B.S.Abdur Rahman University, Chennai – 48, from 28 <sup>th</sup> – 29 <sup>th</sup> January 2010.	National
3	Equitable Bondage Number for Fuzzy Graph	Recent Development in Mathematics and its Applications	The Madura College, Madurai – 11 on 9 <sup>th</sup> January 2015	National

### List of Workshops / National /International Seminars Attended:

- ❖ Participated in International Conference on “**Recent Developments in Combinatorics and Graph Theory**” during June 10 – 14, 2007 held at **Kalasalingam University, Krishnankoil – 626 190.**
- ❖ Participated in the three days International Lecture Series on “**Algebra and its Applications**” on October 26<sup>th</sup> to 28<sup>th</sup>, 2007 held at **Mannar Thirumalai Naicker College, Madurai - 4.**
- ❖ Participated in the UGC Sponsored State level Seminar on “**Fundamentals of Algorithms**” Conducted by the **Department of Mathematics, Mannar Thirumalai Naicker College, Madurai - 4** on 18<sup>th</sup> and 19<sup>th</sup> March 2009.
- ❖ Participated in the National Conference on “**Recent trends in Applicable Mathematics for Engineering and technology**” Sponsored by **CSIR & TNSCST**, at the National conference on Recent trends Applicable Mathematics

for Engineering and Technology organized by the **Department of Mathematics, K.L.N. College of Engineering** on 2<sup>nd</sup> and 3<sup>rd</sup> April 2009.

- ❖ Participated in “**Platinum Jubilee 75<sup>th</sup> Annual Conference of the Indian Mathematical Society (IMS)**” during December 27 – 30, 2009 held at **Kalasalingam University, Krishnankoil – 626 190**.
- ❖ Participated in the UGC Sponsored National Conference on “**Emerging Trends in Modern Topology**”, organized by the **Department of Mathematics, Arul Anandar College(Autonomous), Karumathur** on February 22, 2011.
- ❖ Participated in the UGC Sponsored one day workshop on “**e-content development**”, organized by the **The Madura College(Autonomous), Madurai on 11-03-2011**.
- ❖ Participated in the two-day Interactive Seminar on “**Making Distance Education System More Effective**”, Sponsored by DEC, New Delhi, jointly organized by Centre for Educational Research & Directorate of Distance Education, Madurai Kamaraj University, Madurai on 25<sup>th</sup> & 26<sup>th</sup> April 2011.
- ❖ Participated in “**National Conference on Theoretical Computer Science and Discrete Mathematics**” during January 09 – 12, 2012 held at **Kalasalingam University, Krishnankoil – 626 190**.

#### **Annexure - B**

##### **Published Papers in Journals:**

- ❑ **K.M.Dharmalingam** and V.Swaminathan, Bottleneck Domination in Graphs, Proceedings of the National Conference on Applied Mathematics(**NCAM 2010**) in Allied Publishers (**143 – 147**).
- ❑ V.Swaminathan and **K.M.Dharmalingam**, Degree equitable domination on graphs, Kragujevac Journal of Mathematics, **35(1)(2011)**, 191 – 197 **ISSN (Print) 1450-9628 ISSN (Online) 2406-3045**.
- ❑ **K.M.Dharmalingam**, Equitable Associate Graph of a Graph, Bulletin of International Mathematical Virtual Institute,ISSN 1840-4367,Vol. 2(2012), 109-116.

- **K.M.Dharmalingam** and V.Swaminathan, Excellent-just Excellent-degree Equitable Domination in Graphs, Asian Journal of Current Engineering and Maths, ISSN No:2277-4920, 1: 2 March - April (2012) 18 – 21.
- **K.M.Dharmalingam**, Equitable Graph of a Graph, Proyecciones Journal of Mathematics, Vol. 31,No.4, pp.363 – 372, December 2012 **ISSN: 0717-6279**.
- **K.M.Dharmalingam**, A Note On The Equitable Covering And Equitable Packing Of A Graph, Bulletin Of International Mathematical Virtual Institute,ISSN 1840-4367,Vol. 3(2013), 21 – 27.
- K. M. Dharmalingam, A Note On The Adjacency Inherent Equitable Graph Of A Graph IJAMA: 5(2), December 2013, pp. 17-24 ISSN 2229-5046.
- **K. M. Dharmalingam**, Bounds For Out Degree Equitable Domination Numbers In Graphs, Bulletin Of The International Mathematical Virtual Institute, ISSN 2303-4874 (P), ISSN (O) 2303-4955, Vol. 3(2013), 149-154.
- **K.M. Dharmalingam**, M. Rani, Equitable Domination In Fuzzy Graphs, International Journal of Pure and Applied Mathematics,Volume 94 No. 5 2014, 661-667,ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version).
- **K. M. Dharmalingam**, S. Kalaiselvi and V. Ananthaswamy, Approximate Analytical Solution of Chemo Attractant Gradient Sensing Based on Receptor-regulated Membrane Phospholipid Signaling Dynamics, International Journal of Modern Mathematical Sciences, 2014, 9(3): 173-197, ISSN:2166-286XX.
- **K. M. Dharmalingam**, M.Rani, Equitable Domination in Fuzzy Graphs, Proceedings of the International Conference on Mathematical Computation and Modelling, 151-153, 2014, ISBN: 978-81-928113-2-1.
- **K. M. Dharmalingam**, M.Revathi, Support Domination in Fuzzy Graphs, Proceedings of the International Conference on Mathematical Computation and Modelling, 151-153, 2014, ISBN: 978-81-928113-2-1.
- S. Kalaiselvi, **K.M. Dharmalingam**, Mathematical Modeling Of Reductive Alkylations Of Phenylenediamines: Influence Of Substrates Isometric Structure, International Journal of Modern Mathematical Sciences 2015, 13(1): 52-64, ISSN:2166-286X.

- S. Kalaiselvi, **K.M. Dharmalingam**, System of non-linear reaction diffusion processes at cyclodextrin-glucanotransferase based on batch cultivation, Applied Mathematics, Vol.5, No.1, 2015 p-ISSN: 2163-1409 ; e-ISSN: 2163-1425.
- **K.M.Dharmalingam**, R.Udhaya Suriya and P.Nithya, Excellent – Just Excellent Degree Equitable Domination in Fuzzy Graphs, Bulletin of the International Mathematical Virtual Institute, vol.5(2015), 81 – 88, ISSN (p) : 2303 – 4874, ISSN (o) : 2303 – 4955.
- **K.M.Dharmalingam**, M.Rani, Degree Equitable Connected Domination in Fuzzy Graphs, Asian Journal of Current Engineering and Maths, ISSN No:2277-4920, 4 -3 May – June(2015), 37 – 39.
- **K.M.Dharmalingam**, M.Revathi, Support Strong Degree Sequence in Fuzzy, Asian Journal of Current Engineering and Maths, ISSN No:2277-4920 Vol 4, No.2, 2015, pp 24 - 26.
- R.Baskaran, **K.M.Dharmalingam**, S.N.Mohamed Assarudeen, Fuzzy Transshipment problem with Transit Points, International Journal of Pure and Applied Mathematics, Volume 107, No.4, 2016, 1053 – 1062 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version).
- R.Baskaran, **K.M.Dharmalingam**, Multiobjective Fuzzy Transshipment problem, Intern. J.Fuzzy Mathematical Archive, Vol. 10, No.2, 2016, 161 -167, ISSN:2320-3242(P), 2320-3250(online).
- R.Baskaran, **K.M.Dharmalingam**, A New Approach on Fuzzy Transshipment problem, Annals of Pure and Applied Mathematics, Vol.11, No.2, 2016, 95-107, ISSN: 2279-087X(P), 2279-0888(online).

#### ANNEXURE – C

##### ➤ **Board of Studies membership in other Autonomous Colleges / Universities:**

- Devanga Arts College (Autonomous), Aruppukottai – M.Sc., .
- Thiagarajar College (Autonomous), Madurai – M.Phil.
- Alagappa University, Karaikudi – M.Sc., & M.Phil.
- Vivekanandha College, Thiruvudagam – B.Sc.,.
- Sri Meenakshi Government Arts College for Women, Madurai – M.Sc.,

- EMG Yadava College for Women, Madurai – M.Sc., - University Nominee for Madurai Kamaraj University, Madurai.
- **Chairman – Question Setting:**
  - Acted as a Chairman for Question Setting - Alagappa University Affiliated Colleges, for both M.Sc., & M.Phil(Mathematics) 2011 – till date.
  - Acted as a Chairman for Question Setting - Bharathidasan University Affiliated Colleges, for both M.Sc., & M.Phil(Mathematics) 2015 – till date.