

PROFILE

Dr Akbar Ali M.M working as an Assistant professor in Mathematics for more than 5 years in Government Service, having more than 17 years of total teaching experience serving in various universities and colleges in Tamil Nadu.

As a researcher he is having more than 15 years of research experience working in the field of Graph theory. He has published 22 articles in reputed international journal and he has travelled to different parts of the country to attend the conferences as a delegate and presented more than 15 papers. Also he has travelled to Taiwan to present and share his research contribution with the international delegates in an International conference held at Tamkang University, Taipei, Taiwan in the month of May 2010. He is the guest speaker for the various colleges. He is serving as a reviewer in American Mathematical Society and various other journals.

Information:

Name : **Dr. AKBAR ALI M M**
Designation : ASSISTANT PROFESSOR
Department MATHEMATICS

Institution : Govt. Arts and science college for Women,
Puliakulam, Coimbatore – 641045.
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Qualification with Specialization:

Degree	Major	Specialization	Year of Passing	College/ University	Ranks	Grade
Ph.D	Mathematics	Graph theory	Mar'12	Bharathiar Univeristy	Highly Commanded	--
M.Phil	Mathematics	Graph theory	Apr'04	Bharathiar Univeristy	Commanded	I
M.Sc.	Mathematics	Applied and Pure mathematics.	Apr'02	Govenrne-ment Arts College, Cbe	---	I

Teaching Experience:

Classes	Years		Institution	Department	Duration
	From	To			
UG	Jan'04	Mar'08	Sree Narayana Guru College, Cbe	Mathamatics	4 Yrs 2 Months
	Mar'08	June'09	BSA University, Chennai	Mathamatics	1 Yrs 4 Months
	Jul'09	Jul' 11	Shakthi Institute of Engineering and Technology	Mathamatics	2 Yrs 1 month
	Aug' 11	Jul' 15	Karunya University	Mathamatics	4 yrs
	Jul' 15	Till date	Govt. service	Mathamatics	5 yrs 11 months
				Total	17 yrs 6 months

Abroad Visits:

Country	Purpose	Duration		Own Expense / Funded by
		From	To	
Taiwan	Participating and Presenting a research paper in an international conference.	20 th May 2010	23 th May 2010	Funded by the Institution and Conference Committee.

Papers in Journals:

1. **Equitable Edge Coloring On Tensor Product Of Graphs**, *Commun. Fac. Sci. Univ. Ank. Ser. Al. Math. Stat.* Vol 69, No. 2. Pages 1336-1344.
2. **Tulgeity of line graph of Knodel and prism graph**, *Utilitas Mathematica*, 97(2015), 345367. (Impact factor 0.743)
3. **Tulgeity of middle and total graph of Knodel and prism graph**, *Utilitas Mathematica*, 96(2015), 33-47. (Impact factor 0.743)
4. **On equitable colouring of Knodel Graphs**, *International Journal of Computer Mathematics*, Vol 91, Issue 7, 2014.
5. **Equitable coloring on mycielskian of wheels and bigraphs**, *Applied Mathematics ENotes*, 13, 174-182. Dec 2013.
6. **On vertex disjoint cycles of middle and total graph of K_n and $K_{m,n}$** , *International Journal of Pure and Applied Mathematics*, Vol 87(6), 781 – 793, 2013.
7. **On equitable colouring of Knodel Graphs**, *International Journal of Computer Mathematics*, <http://dx.doi.org/10.1080/00207160.2013.847181> (2013).

8. **On Equitable Coloring of Sun let graph Families**, *Ars Combinatoria* Vol 103, Jan 2012, pp. 497-504. (Impact factor 0.441)
9. **Tulgeity of line graph of Knodel and prism graph**, *Utilitas Mathematica*, (To appear). (Impact factor 0.743)
10. **Tulgeity of middle and total graph of Knodel and prism graph**, *Utilitas Mathematica*, (to appear). (Impact factor 0.743)
11. **"Equitable Coloring on total graph of bigraphs and central graph of cycles and paths**, *International Journal of Mathematics and Mathematical Sciences*, Volume (2011), Article ID 279246, 5 pages, doi: 10.1155/2011/279246.
12. **Tulgeity of line, middle and total graph of wheel graph families**, *International journal of mathematical Combinatorics*, Vol 3(2010) 98-107
13. **Tulgeity of Line graphs**, *Journal of Mathematics Research*, Vol 2, No 2, 2010, pp. 146149.
14. **Cycle multiplicity of total graph of C_n , P_n , and $K_{1,n}$** , *International Journal of Engineering, Science and Technology*, 2010, Vol. 2, No. 2, 2010, pp. 54-58
15. **On Harmonious Coloring of Total Graph of $C(C_n)$, $C(K_{1,n})$ and $C(P_n)$** ”, *Proyecciones Journal of mathematics*, Vol. 29, No.1, May 2010 pp 57-74.
16. **On Harmonious Coloring of Middle Graph of $C(C_n)$, $C(K_{1,n})$ and $C(P_n)$** ”, *Note di Matematica*, Vol.30, No.1, (2010).
17. **Achromatic Coloring on Double star graph Families**, *International Journal of Mathematical Combinatorics*, Vol 3, (2009) 71-81
18. **A note on Achromatic Coloring of Star Graph Families**, *Filomat*, Vol.23, No.3, (2009) pp. 246-250.
19. **On equitable Coloring on central and total graphs** *Electronics Notes in Discrete Mathematics*, Vol 33, 2009. pp 1-6. (Elsevier Publication)
20. **On Harmonious coloring of central graphs**, *Advances and Application in Discrete Mathematics*, Vol 2, No1, July 2008, pp. 17-33.
21. **Harmonious Chromatic Number of Central graph of Complete Graph Families**,

Journal of Combinatorics, Information and System Sciences Vol 32, 2007, pp. 221-231.

22. **Edge Face Graph and Vertex Face Graph**, *Bulletin of pure and applied Science* Vol 25 E (No.2) 2006, pp. 317-323.

Conferences:

1. **“On Edge disjoint cycles of middle graph of K_n , $K_{m,n}$, P_n and C_n ”** Presented in the 3rd International Conference on Discrete Mathematics at Karnatak University, Dharwad, Karnataka, held during 10-14 June 2013.
2. **“Tulgeity of Middle and Total Graph of Complete graph and Complete Bi-Graph”** Presented in the international conference on Mathematical modeling and Soft Computing, at Coimbatore Institute of Technology, Coimbatore held during July 11-13, 2012.
3. **“Cycle Multiplicity of Middle Graph of K_n , $K_{m,n}$, P_n and C_n ”** Presented in 99th Indian Science Congress held at KIIT University, Bhubaneswar, during Jan 3-7, 2012.
4. **“Tulgeity of Line graph of some special family of graphs”** Presented at the International Conference on Management Sciences and Decision Making (ICMSDM-2010), Tamkang University, Taiwan, May 22-2010.
5. **“On equitable Coloring on central and total graphs”** Presented in the International Conference On Graph Theory held at Amita Vishwa Vidyapeetham University, Coimbatore during Dec 11-13, 2008.
6. **“Cycle Multiplicity of Middle Graph of C_n , P_n , and $K_{1,n}$ ”**, Presented in the Fourth National Conference on Mathematical And Computational Models held at PSG College of Technology, Coimbatore during Dec 13th to 15th 2007.
7. **“Cycle Multiplicity of Total Graph of C_n , P_n , and $K_{1,n}$ ”** Presented in One day Regional Seminar on **“Optimization Techniques in Engineering Fields”** held at Sri Shakthi Institute of Engineering and Technology, Coimbatore on 7th Dec 2007.
8. **“On Harmonious Colouring of Middle Graph of $C(C_n)$, $C(K_{1,n})$ and $C(P_n)$ ”**, Presented at the International Conference on Graph Theory held at Kalasalingam University during June 10-14, 2007.
9. **“Eulerian and Hamiltonian Total face graph”**, Presented in the National Conference on Graph Theory and Automata held at Government College Chittur during March 22 – 24, 2007.

10. **“Some Results on Total Face Graphs”**, Presented in the **National Conference on Operator Theory** held at Government Arts College Coimbatore during February 28 – March 1, 2007.
11. **“Hamiltonian and Eulerian properties of total face graph”**, Presented in the National Seminar on recent innovations in Mathematics”, Kongunadu Arts and Science College, Coimbatore 5th August 2006.
12. **“Harmonious Colouring on trees and regular graphs”**, Presented in “ State level Conference on Applied Operations Research”, Government Arts College, Coimbatore on January 6-7, 2006.
13. **“Total Face Coloring of planar graphs”** Presented in the National Symposium on Mathematical Methods and Applications, Indian Institute of Technology (IIT), Chennai on 22nd December , 2005.
14. **“Total Face Graph”** Presented in National Conference on Mathematical and Computational Model”, PSG College of Technology, Coimbatore during December 16-17, 2005.
15. **“Face Graphs”** Presented in the **National Conference on Graph Theory** organized by **Alliance Business Academy, Bangalore** 16th and 17th April 2005.

National Conference/Workshops/FDP:

1. **Fourth Edition of National Workshop on Computer Vision and Image Processing Techniques** held at Amrita School of Engineering, Coimbatore during February 6-8, 2014.
2. **One day seminar on Statistical Analysis using SPSS** held at Department of Mathematics, Karunya University on October 22nd, 2013.
3. **National Conference on Mathematical Sciences and Applications** held at Department of Mathematics during March 14-14, 2013.
4. **One day Seminar on Recent advances in Soft Computing Theory and Matlab** held at Department of Mathematics, Karunya University on October 29th, 2012.

Membership in Professional Bodies:

Member of Indian Science Congress, Calcutta, India

Any other special activities.

Journal Reviewer

- American Mathematical Society (MR Reviewer).
- International Journal of Engineering, Science and Technology.
- Ars Combinatoria.