

**NANJIL CATHOLIC COLLEGE OF ARTS AND SCIENCE
KALIYAKKAVILAI**

FACULTY PROFILE



Name	Dr.A.Ajitha				
Department	Mathematics				
Designation	Head of the department				
Address	Aalayam, Adimalathura, Chowra(P.O), Thiruvananthapuram.				
Telephone Number(s)	9487274860				
Email Id(s)	ajitha.leo@gmail.com				
Academic Qualifications (with Name of Degree awarding university)	S.No.	Course	Board/ University	Year	Percentage
	1	M.Sc(Maths)	MSU	2004	80.04%
	3	MPhil(Maths)	TNOU	2007	59%
	4	PhD(Mathematics)	MSU	2018	-
Teaching Experience	Level	Years of Service	Institution		
	UG UG&PG	3 1	AnnaiVelankanni College, Tholayavattam		
	UG UG& PG	2 7	Nanjil Catholic College of Arts and science, Kaliyakka vilai		
Specialization	Graph Theory				
Publications/ Participation in Seminars/ Conferences etc			International	National	
	No. of Research Papers in Journals		6	-	
	No. of Publications in Conference Proceedings		2	4	

	No. of Conferences Participated in	2	6
	Books	-	-
Projects			
Details of Research Supervision	On going	Completed	
		8(MPhil)	
Honours and Awards	1) Sixteenth university rank at B.Sc(Mathematics) 2) Third University rank at MPhil(Mathematics)		
Posts held	1)Head of the Department. 2)Organizing Secretary of 3 National conferences at NACCAS 3) Reviewer of OSJ for the manuscript "A Proof of Fermat's Last Theorem by Relating to Two Polynomial Equations," 4) VI Criteria convener		
Any other Information			

List of Publications:

- 1) P.Arul Paul Sudhahr, **A.Ajitha**, A.Subramanian, Connected Edge Geodetic Domination Number of Graph, Int. J of Mathematics and its Applications, Vol(4), Issue(3), 2016, 45-50, 2347-1557.
- 2) P.Arul Paul Sudhahr, **A.Ajitha**, A.Subramanian, Upper Edge Connected and Upper Connected Edge Geodetic Domination Number of Graph, Bulletin of Mathematics and Statistics Research, Vol(4), Issue(3), 2016,116-122, 2348-0580.
- 3) P.Arul Paul Sudhahr, **A.Ajitha**,A.Subramanian, The Total Edge Geodetic Domination Number of Graph, South East Asian J. of Mathematical Sciences, Vol(13), Issue(1), 2017,19-26, 0972-7752.
- 4) P.Arul Paul Sudhahr, **A.Ajitha**, A.Subramanian Connected Edge Geodetic Domination Number of Graph, IOSR J. of Mathematics, Vol(12), Issue(5), 2016,50-53-122, 2278-5728.
- 5) A.Ajitha, Total Outer Independent Geodetic Domination Number of a Graph, JETIR, Vol(7), 2020,3392-3399, 2349-5162.
- 6) A.Ajitha, Independent Geodetic Domination Number and Outer Independent Geodetic Domination Number of a Graph, IJRAR, vol(7), Issue(4), 2020, 137-145, 2348-1269.

List of Presentations.

- 1) A.Ajitha, "Restrained Geodetic Domination Number of a Graph ", International Conference on Applicable Mathematics at Stella Mari's College, Chennai on 31/11/2016 to 1/12/2016.
- 2) A.Ajitha, "Perfect Geodetic Domination Number of a Graph ", National Conference on

NCETMA-2019 at Noorul Islam Center for Higher Education, Kumaracoil on October 30,31 of 2019. ISBN: 978-81-937463-5-6.

- 3) A.Ajitha, "Split Geodetic Domination Number of a Graph" , National Conference on Recent Trends in Algebra and Topology, Rani Anna Govt. college (W), Tirunelveli on 27-01-2020, ISBN:978-81-907459-7-3.
- 4) A.Ajitha, "Independent Geodetic Domination Number of a Graph , "National Conference on Recent Trends in Algebra and Graph Theory at NACCAS, Kaliyakkavilai on Feb 20, 2020.
- 5) A.Ajitha, "Isolate Geodetic Domination Number of a Graph", International Conference on Algebra and Discrete Mathematics(online mode) at MKU-DDE on June 24-26, 2020, ISBN: 978-81-944843-2-5.
- 6) A.Ajitha, "Total Geodetic Domination Number of a Graph ", National Conference on Recent Concepts in Algebraic Graph Theory at NACCAS, Kaliyakkavilai on October 4th, 2021. ISBN: 978-81-908388-2-5.