

Staff Profile

1. Name: Dr. K. JAIKUMAR
2. Gender: Male
3. Age as on 12.04.2019 & D.O.B: (DD/MM/YY): 33 Years & 20.05.1985
4. Educational Qualifications: M.Sc., M.Phil., Ph.D.,



S. No.	Degree	College/University	Year of passing	Subjects	Grade/ Percentage
1	Ph.D.	Government Arts College (Autonomous), Kumbakonam.	June-2015	Mathematics	--
2	M.Phil.	T.B.M.L.College, Porayar.	Sep-2008	Mathematics	72%
3	M.Sc.	D. A. A. College, Mayiladuthurai.	July-2007	Mathematics	61 %
4	B.Sc.	Poombuhar College, Melaiyur.	July-2005	Mathematics	63%

5. Teaching Experience as on 25.10.2019

- i. D. A. A. College, Mayiladuthurai - From 01.07.2008 to 30.04.2013
- ii. Arasu Engineering College, Kumbakonam - From 26.06.2013 to 31.05.2015
- iii. E. G. S. Pillay Engineering College, Nagapattinam - From 21.09.2015 to 21.05.2016
- iv. A.V.C.College(Autonomous), Mannampandal - From 16.06.2016 to till date

6. Total Teaching Experience (specify SF/Aided) as on 25.10.2019

- i. Self Financing - 7 years 11 months 14 days
- ii. Aided - 2 years 09 months 27 days

7. Conferences and Seminars attended - Number 7

- i. Solution of the Assignment Problem in Fuzzified Form, RTAM-2008, Annamalai University, Annamalainagar.
- ii. Solution of Linear Programming Problem using Mathematical Model, RAM 2009, Government Arts College (Autonomous), Kumbakonam.
- iii. Mathematical Model for the Sudoku Problem, RAM-2009, Government Arts College (Autonomous), Kumbakonam.

- iv. RMS-2010, Government Arts College (Autonomous), Kumbakonam.
- v. National Conference on Mathematical Modelling-2009, Annamalai University, Annamalainagar.
- vi. New approximation method to solve fully fuzzy linear system of equations, RTM-2016, Krishnasamy College of Arts, Science and Management for Women, Nellikuppam.
- vii. ICRAPAM-2019, Government Arts College (Autonomous), Kumbakonam.

8. Workshops attended – Number 1

- i. "SWSC-2012", A. V. C. College of Engineering, Mannampandal, Mayiladuthurai.

9. Research Articles Published

Journal - Number 16

1. "On s-Orthogonal Matrices", Global Journal of Computational Science & Mathematics Vol.1, No.1(2011), pp.1-8.
2. "Exponential Representation of s-Orthogonal Matrices", International Journal of Mathematics Research, Vol.3, No.4 (2011), pp.355-360.
3. "Secondary Orthogonal Similarity Of A Real Matrix And Its Secondary Transpose", International Journal of Mathematics & Soft Computing Vol.2, No.1 (2012), pp.51 - 55.
4. "Modified Next to Next Minimum Penalty Method for Fuzzy Transportation Problem", International Journal of Mathematics Archive Vol.3, No.1 (2012), pp.45 - 48.
5. "Some s-Orthogonal Matrices Constructed by Strong Kronecker Multiplication", Thai. Journal of Mathematics (Vol.11, No.2 (2013), pp.383 - 391.
6. "Improved Next to Next Minimum Penalty Method for Transportation Problems", International Journal of Scientific Research Vol.2, Issue 1 (2013), pp.173-174
7. "Modified Decomposition Method for Solving Linear Systems", Journal of Modern Methods in Numerical Mathematics Vol.4, No.2 (2013), pp.23 - 25.
8. "SST Decomposition Method for Solving Fully Fuzzy Linear Systems", International Journal of Industrial Mathematics Vol.5, No.4 (2013), pp.275 - 280.
9. "The Jordan Canonical Forms of Complex s-orthogonal and s-skew symmetric Matrices", Open Journal of Mathematical Modeling Vol.1, No.2 (2013), pp.60 - 62.
10. "A Note on s-unitary Similarity of a Complex Matrices", International Journal of Mathematics And its Applications Vol.1, No.1 (2013), pp.19 - 28.
11. "On Sum of s-orthogonal Matrices", International Journal of Mathematics And its Applications Vol.1, No.1 (2013), pp.36 - 42.
12. "New Approach to Solve Fully Fuzzy Transportation Problem", International Journal of Mathematics And its Applications Vol.4, No.2--B (2016), pp.155 – 162

13. "Minimum Odd Cost Allocation Method to Solve Fully Fuzzy Transportation Problem", International Journal of Advances in Mathematics and Statistics, Vol.1, Issue 3 (2016), pp.11-17.
 14. "On χ_S -orthogonal matrices", Mathematical Journal of Interdisciplinary Sciences, 6(1)(2018), pp. 49-53.
 15. "On $S_{\mathcal{H}}$ -unitary matrices", Asian Journal of Mathematics and Computer Research, 23(1)(2018), 1-6.
 16. "Exponential representation of χ_S -orthogonal matrices", Asian Journal of Mathematics and Computer Research, 22(4)(2018), 162-166.
 17. "Matrix exponential of secondary type matrices", International Journal of Scientific Research In Mathematical and Statistical Sciences (Communicated).
 18. "On χ_S -orthogonal of Type I matrices", International Journal of Scientific Research In Mathematical and Statistical Sciences (Communicated).
 19. "On secondary J normal matrices", International Journal of Scientific Research In Mathematical and Statistical Sciences (Communicated).
10. Orientations/Refresher Course attended: 1 (122nd Orientation Programme conducted by Pondicherry University held on 01.02.2018 to 28.02.2018).
11. Other Positions Held in AVC College : (i). Leo Club Coordinator
(ii). Discipline Committee Member
(iii). Examination Committee Member
12. Positions Held in Other Institutions : Member - Question paper Scrutinizing Committee at Periyar Maniyammai University.

13. Research Guidance :

M.Sc.		M.Phil.		Ph.D.	
Registered	Completed	Registered	Completed	Registered	Completed
4	4	6	-	3	-

14. Residential Address: 69A/2, Lalithaparameshwari Nagar,
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