

## Faculty profile



Dr. G.Gomathi Jawahar  
 Department of Mathematics  
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### Personal Information:

Name : Dr. G. Gomathi Jawahar

Designation : Assistant Professor

Department : Mathematics

Date of Joining : 31/05/2002

CompletePostalAddress: 115, Ramalingam Colony, Near Avinashilingam University, Coimbatore-43

EducationalDetails

### Qualification with Specialization:

Degree	Major	Specialization	Year of Passing	College/ University
Ph.D	Mathematics	Difference Equations	2012	Karunya University
M.Phil	Mathematics		2002	Madurai Kamaraj University
M.Sc.	Mathematics	Mathematical Modelling	1995	Nirmala College for women, Bharathiar University

### Teaching Experience:

Classes	years		Institution	Department	Duration
	From	To			
UG	June2000	May 2002	Maharaja Engineering College, Avinashi.	Mathematics	2 years
	June 2002	Till date	Karunya University,	Mathematics	13 years 5

			Coimbatore.		months
PG	June 2007	Till date	Karunya University, Coimbatore	Mathematics	8 years 5 monts

### Administrative Experience:

Position	Organisation	Duration	
		From	To
NAAC COORDINATOR, Mathematics Department, Karunya University.	Karunya University	June 2014	Till date
EXAM COORDINATOR, S&H	Karunya University	June2006	May2012

### Teaching Areas

Algebra, Analytical Geometry and Vector Calculus, Multiple Integrals, Differential Equations and Laplace transforms, Complex Analysis, Statistics and Z transforms, Fourier Series, Transforms and PDE, Numerical Methods, Computer Literacy and Numerical Methods, Statistical Methods, Probability and Bio Statistics, Complex Analysis I, Complex Analysis II, Partial Differential Equations, Computational Mathematics.

### Papers in Journals:

1. B.Selvaraj and G.Gomathi jawahar : *Oscillation of Neutral Delay Difference Equations with positive and negative coefficients*-Far East Journal of Mathematical Sciences,Volume 41, Number 2, 2010,pp 217-231.
2. B . Selvaraj and G.Gomathi Jawahar, 'Non oscillation of Second Order Neutral Delay Difference Equations' ,Journal of Computer and Mathematical Sciences-An International Research Journal,Vol. 1(5), 566-571(2010).

3. B . Selvaraj and G.Gomathi Jawahar, 'Asymptotic Behavior of Fourth Order Nonlinear Delay Difference Equations', Journal of Computer and Mathematical Sciences-An International Research Journal,Vol. 1(7), 877-886(2010).
4. B . Selvaraj and G.Gomathi Jawahar, 'New Oscillation Criteria for Second Order Neutral Delay Difference Equations', International Journal of Emerging Technologies in Sciences and Engineering, Vol(3), No 2, 40-48, (2011).
- 5 . B.Selvaraj and G.Gomathi Jawahar, 'Certain Oscillation Criteria for Second Order Neutral Delay Difference Equations', Advances in Theoretical and Applied Mathematics, Vol.6, No.2 , 147-151 (2011).
6. B.Selvaraj and G.Gomathi Jawahar, 'New Oscillation Criteria for First Order Neutral Delay Difference Equations', Bulletin of pure and Applied Sciences , Vol. 30 E (Maths& Stat) Issue(No.1),95-100 (2011).
7. B . Selvaraj and G.Gomathi Jawahar, 'Oscillatory Behavior of Second Order Neutral Delay Difference Equations', Journal of Computer and Mathematical Sciences-An International Research Journal,Vol. 3(2), 191-195(2012).
8. G.Gomathi Jawahar , 'Oscillation properties of certain types of neutral delay difference equations', International Journal of Science and Engineering Research, Vol 4, Issue 10, 1197- 1201 (2013)

#### **Conferences:**

- 1) The paper entitled, ' New Oscillation criteria for first order Neutral Delay Difference Equations' presented in the 'National Symposium on Mathematical Methods and Applications' held on 22 nd December 2010 at the Department of Mathematics, IIT Madras.
- 2) The paper entitled, ' Certain Oscillation criteria for Second order Neutral Delay Difference Equations' presented in the 'National Conference on Recent Frontiers in applied dynamical systems' held on 21st and 22nd January 2011 at the Department of Mathematics, Karunya University, Coimbatore.
- 3) The paper entitled, ' Oscillatory behavior of first order Neutral Delay Difference Equations' presented in the 'National Symposium on Mathematical Methods and Applications' held on 22 nd December 2012 at the Department of Mathematics, IIT Madras.
- 4) The paper entitled, 'Global behavior of certain types of Neutral Delay Difference Equations' presented in the 'National Conference on Mathematical Sciences and Applications', held on 14th and 15th March 2013 at the Department of Mathematics, Karunya University, Coimbatore.

5) The paper entitled, 'Some Properties on the oscillations of neutral delay difference equations', in the National Conference on Recent developments in Applications of Mathematics, held at Karpagam University, Coimbatore on 13 th March 2015.

### **National Conference/Workshops/FDP/Training**

- 1) Participated in the workshop on 29/09/07, Revamping Mathematics syllabus, conducted by the Karunya the University, Coimbatore.
- 2) Participated in the workshop on 25/11/09, Effective Teaching, conducted by the Karunya the University, Coimbatore.
- 3) Participated in the conference on 09/12/09 & 10/12/09, Discrete and Fuzzy Mathematics conducted by the Karunya the University, Coimbatore.
- 4) Participated in the FDP on 26/02/10 & 27/02/10, Recent Trends in Applied Mathematics, IEEE Madras Section, conducted by the Karunya the University, Coimbatore.
- 5) Participated in the Seminar on 12/06/03 & 13/06/03, leadership and skills development conducted by the Karunya the University, Coimbatore.
- 6) Participated in the workshop on 28/07/07, Work pressure to work pleasure conducted by the Avinashilingam University, Coimbatore.
- 7) Participated in the conference on 18/03/2009 & 19/03/2009, Computational Methods in Continuum Mechanics conducted by the Government Arts College, Coimbatore.
- 8) Participated in the Workshop on 22/10/2013, SPSS, conducted by the School of Science and Humanities, Karunya the University, Coimbatore.