

**Staff Name** : Dr. G PURUSHOTHAMAN

**Faculty ID** : TMA08

**Designation** : Associate Professor

**Qualification** : M.Sc., M.Phil., Ph.D., PGDOR

**Experience** : 23 Years 5 Months

**Area of Specialization** : Differential equations

**Subject Handled in UG** : 1. Engineering Mathematics-I  
2. Engineering Mathematics-II  
3. Transforms and PDE  
4. Probability and Random Processes  
5. Linear Algebra  
6. Numerical Methods  
7. Discrete Mathematics  
8. Queueing theory  
9. Probability and Statistics  
10. Statistics and Numerical methods

**Subject Handled in PG** : 1. Applied Mathematics for Electrical Engineers  
2. Applied Mathematics for Electronics Engineers  
3. Applied Mathematics for Engineers

**Journal Published** : International: 11 National: --

1. Interval oscillation criteria for second order nonlinear forced impulsive differential equations with damping term under variable delay, Journal of Mathematical and Computational Science, Vol.10, No.6, 2451-2466, 2020 - SCOPUS. doi.org/10.28919/jmcs/4887
2. Oscillation Criteria For Second Order Nonlinear Forced Impulsive Differential Equations With Damping Term Under Variable Delay,

**Advances in Mathematics: Scientific Journal, Vol.9, No.7, 4893-4905, 2020 - SCOPUS. doi.org/10.37418/amsj.9.7.54**

- 3. Asymptotic Behavior of Solutions for Forced Non Linear Delay Impulsive Differential Equations, International Journal of Mathematics Trends and Technology Vol.9, No.2, 145-147, 2014. DOI:10.14445/22315373/IJMTT-V9P516**
- 4. Oscillation of Impulsive Neutral Differential equations with several Positive and negative coefficients. Journal of Mathematical and Computational Sciences. Vol.2, No.2, 241-254, 2012.**
- 5. Interval Oscillation criteria for second order mixed nonlinear forced impulsive differential equations with damping term. Differential equations and Applications. Vol.4, No.3, 371-387, 2012. -WOS, doi:10.7153/dea-04-21**
- 6. Asymptotic behavior of solutions of nonlinear neutral delay impulsive differential equations with positive and negative coefficients, Far-East Journal of Mathematical Sciences, Vol. 51, Number 2 ,165-178, 2011. - SCOPUS**
- 7. Oscillation criteria for a first order impulsive neutral differential equations with positive and negative coefficients, Far-East Journal of Mathematical Sciences, Vol. 51, No. 2 ,127-140, 2011. -SCOPUS**
- 8. Oscillations of higher order nonlinear impulsive delay differential equations with damping. International Journal of Mathematical Sciences and Applications, Vol.1,No:3,16-25, 2011.**
- 9. Asymptotic behavior of solutions of first order neutral impulsive differential equations with positive and negative coefficient. International Journal of Computational and Applied Mathematics, Vol.6, No.2, 95-103, 2011.**

10. Asymptotic behavior of solutions of higher order nonlinear delay impulsive differential equations with damping, International Journal of Pure and Applied Mathematics, Vol.72, No.3, 401-414, 2011. -SCOPUS
11. Asymptotic behavior of solutions of first order non-linear neutral impulsive differential equations with positive and negative coefficient. Far east Journal of Mathematical Sciences, Vol.59, No.1, 73-87, 2011. -SCOPUS

**Paper Presented in** : International: 2 National:-  
**Conferences**

1. Asymptotic behaviour of solutions of higher order nonlinear impulsive differential equations. In Proceedings of Heber international conference on applications of Mathematics and Statistics (HICAMS 2012), 563-570, 2012.
2. Oscillation criteria for second order linear delay differential equations with impulses, In Proceedings of International Conference on Emerging Trends in Mathematics and Computer Applications, (ICETMCA 2010), Mepco schlenk Engineering college, Sivakasi.

**Google Scholar ID** : <https://scholar.google.com/citations?hl=en&user=UQBb-r0AAAAJ>

**Scopus ID** : <https://www.scopus.com/authid/detail.uri?authorId=54393904200>

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