

CURRICULAM VITAE

1. **Name** : Dr.V. MUTHULAKSHMI
2. **Designation** : Assistant Professor
3. **Date of Joining** : 01-12-2004
4. **Sex** : Female
5. **Marital Status** : Married
6. **Nationality** : Indian
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8. **Educational Qualifications:**

Course	University/ Institution	Month & Year Of Award	Subject	Class
Ph.D*	Periyar University, Salem	January 2012	Mathematics	--
M.Phil	St.Xavier's College, Palayamkottai. (M.S.University, Tirunelveli)	April 2003	Mathematics	First
M.Sc	T.D.M.N.S.College, T.Kallikulam. (M.S.University, Tirunelveli)	April 2002	Mathematics	First
B.Sc	T.D.M.N.S.College, T.Kallikulam. (M.S.University, Tirunelveli)	April 2000	Mathematics	First
NET	CSIR-UGC	Dec 2001	Mathematics	Lectureship

**\*Title of Ph.D Thesis:** Oscillation and Asymptotic Behavior of Neutral and Impulsive  
Differential Equations

**9. Professional Experiences:**

Sl.No.	College / University	Designation	From	To
1.	V.O.C.College,Tuticorin Tamil Nadu.	Lecturer	12-12-2003	08-07-2004
2.	Periyar University, Salem Tamil Nadu.	Lecturer	01-12-2004	31-03-2010
3.	Periyar University, Salem Tamil Nadu.	Asst.Professor	01-04-2010	Till Date

**10. Research Interest** : Differential Equations

**11. Research Guidance** :

Course	Awarded	Ongoing
M.Phil	30	3
Ph.D	--	4

**12. Refresher Course/Orientation Course/ FDP attended:**

- Participated in the 70<sup>th</sup> Orientation Course held at the Academic Staff College, Bharathiar University, Coimbatore from 15.05.2008 to 11.06.2008.
- Participated in the Refresher Course in Mathematics, Batch XXV held at the UGC-Academic Staff College, University of Madras, Chennai from 05.11.2009 to 25.11.2009.
- Participated in the Refresher Course in Mathematics, Batch XXVIII held at the UGC-Academic Staff College, University of Madras, Chennai from 28.09.2012 to 18.10.2012.
- Participated in the Faculty Development Programme on “Attributes of Holistic Teaching” conducted by IQAC at Periyar University, Salem from 17.12.2014 to 20.12.2014.
- Participated in the Workshop on “ Project Writing Skills and Funding Agencies” organized by the School of Sciences, Periyar University, Salem on 12<sup>th</sup> February, 2015.

- Participated in the International Workshop on “Scholarly Research Publications: Writing, Citations and Plagiarism (RPCP-16)” organized by the Department of Library and Information Science, Periyar University, Salem on 1<sup>st</sup> February, 2016.
- Participated in the Workshop on “Curriculum Enhancement in Higher Education” held during March 28-29, 2016 organized by IQAC, Periyar University, Salem.
- Participated in the “Faculty Rejuvenation Programme” held during April 21-22, 2016 organized by Periyar University, Salem.
- Participated in the “International Seminar on MEASUREMENT OF QUALITY PUBLICATIONS: Issues, Challenges and Opportunities” organised by Department of Library and Information Science, Periyar University, Salem on 23<sup>rd</sup> November, 2016.
- Participated in the “**Faculty Development Programme** on Globalisation, Communication and Life Skills: Problems, Perspectives and Future Directions” organized by Department of English, Periyar University, Salem during December 14-21, 2016.

### ***13. Research Collaborator:***

- Research collaboration with Professor **John R. Graef**, The University of Tennessee at Chattanooga, Chattanooga, TN 37403-2598, USA.

### ***14. Reviewer for the following reputed International Journal:***

- *Advances in Difference Equations*
- *Asian Research Journal of Mathematics*

### ***15. Research Publications:***

1. V.Muthulakshmi, Oscillation of Differential System with Positive and Negative Coefficients, Far East J. Math. Sciences, Vol.31(2) (2008), 201-206.
2. E.Thandapani and V.Muthulakshmi, Global existence results for impulsive differential equations, J. Comb. Inf. Sys. Sciences, Vol. 33 Nos.3-4 (2008), 413-424.
3. E.Thandapani , V.Muthulakshmi & John R.Graef, Classification of solutions of second order nonlinear neutral delay differential equations with positive and negative coefficients, Int. J. Pure. Appl. Math, Vol. 64 (1) 2010, 159-170.

4. V.Muthulakshmi and E.Thandapani, Interval criteria for oscillation of second order impulsive differential equation with mixed nonlinearities, *Electronic J. Diff. Eq.* Vol. 2011 (2011), No. 40, pp. 1–14.
5. E.Thandapani , V.Muthulakshmi & John R.Graef, Oscillation criteria for second order nonlinear neutral delay differential equations with positive and negative coefficients, *Int. J. Pure. Appl. Math*, Vol. 70 (2) 2011, 261-274.
6. E.Thandapani and V.Muthulakshmi, Oscillation of mixed type neutral differential equations, *Bull. Cal. Math. Soc.*, Vol. 105 (1) (2013), 1-16.
7. V.Muthulakshmi and E.Thandapani, Oscillatory behaviour of third order neutral differential equation with mixed nonlinearities, *Differential Equations and Applications: Recent Advances*, Narosa Pub. House, New Delhi, (2014), 120-127.
8. V.Muthulakshmi and D.Vinodhini, Oscillation criteria for forced second order differential equations with damping term and mixed nonlinearities, *Far East J. Math. Sciences*, Vol.86(1) (2014), 101-109.
9. V.Muthulakshmi and R.Manjuram, Interval criteria for oscillation of second-order impulsive delay differential equation with mixed nonlinearities, *Malaya J. Mat.* 4(3)(2016) 404–420.
10. V.Muthulakshmi and S.Pavithra, Interval oscillation criteria for forced fractional differential equations with mixed nonlinearities, *Global Journal of Pure and Applied Mathematics*, (2017). (Accepted)

**16. Conferences / Seminars / Workshops Participated:**

**Attended - 14**

**Paper Presented - 8**

**17. Conferences / Seminars / Workshops Organized:**

- *National Conference on Recent Trends in Analysis and Applications* (NCR TAA-2016) sponsored by TNSCST and UGC at Periyar University, Salem during February 11-12, 2016.
- *National Workshop on Differential Equations and Applications* (NWDEA-2017) sponsored by UGC-SAP at Periyar University, Salem during March 9-10, 2017.

**18. Study Materials Written:**

Written first 3 Units of Topology Study material for M.Sc.Mathematics, School of Distance Education, Bharathiar University, Coimbatore.

**19. Membership in Academic Bodies:**

1. Member of Board of Studies for Periyar University Department
2. Member of the Board of Paper-Setters for Karpagam University, Coimbatore
3. Member of the Board of Paper-Setters for Avinashilingam University- Institute for Home Science and Higher Education for Women, Coimbatore.

**20. Membership in Professional Bodies:**

1. Life member of Indian Mathematical Society
2. Member of International Society of Difference Equations