



B. Sundara Vadivoo
Assistant Professor

Contact

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Academic Qualifications: M.Sc., M.Phil., CSIR-NET, (Ph.D.), PGDOR,

Teaching Experience: 13 Years

Research Experience: 2 Years

Areas of Research

Differential Equations, Fractional differential Equations and Inclusions, Perturbation Theory, Stability Theory, Control Theory, Mathematical Modelling, Functional Analysis

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	M.Phil.	12	3
	PG	45	10
Project			

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
-	2	-	1	-

Distinctive Achievements / Awards

1. University Rank Holder in M.Sc Mathematics

Events Participated

Conferences / Seminars / Workshops: 21

1. Participated and Presented in the "International Conference on emerging trends in Engineering and Technology" entitled as "Controllability of nonlinear integr differential equations", which is held at Arunachala Engineering for Women, Vellichanthai during 9-10th December 2016.
2. Participated and Presented in the "First Andhra Pradesh Science Congress entitled as "Improved Controllability Results For Nonlinear Neutral Fractional Volterra type Integro Differential inclusions with Impulses Mathematics", which is held at Sri Venkateswara University, Tirupati during 27-29th January 2016.
3. Participated and Presented in the "International Conference on Innovations in Computer Science and Technology entitled as "Relative Controllability of Fractional Dynamical Systems With Distributed Delays and Impulses"", which is held at , Alagappa University, Karaikudi during 4-5th April 2016.

4. Participated and Presented in the “International Conference on Innovations in Computer Science and Technology entitled as ”Relative Controllability of Fractional Dynamical Systems With Distributed Delays and Impulses””, which is held at , Alagappa University, Karaikudi during 4-5th April 2016.
5. Participated in the “National Conference on Pure and Applied Mathematics”, which is held at Alagappa University , Karaikudi during 30-31st March 2016.
6. Participated in the “Advanced Level workshop on Integral Equations Solvability Analysis and Applications”, which is held at Jaypee University of Information Technology , Wagnaghat during 19-25th October 2015.
7. Participated in the “Lecture workshop on Applicable Mathematics”, which is held at K.S. Rangasamy College of Arts and Science, Tiruchengode during 12-14th February 2015.
8. Participated in the “Advanced Level workshop on Computational Methods For Control Problems”, which is held at Mar Ivanios college, Thiruvanathapuram during 16-21th March 2015.
9. Participated in the “International Conference on Algebra and Discrete Mathematics”, which is held at Government College Katapana, Kerala during 4-6th March 2014.
10. Participated in the “National Conference on Recent Advances in Numerical Methods and its Applications”, which is held at Pondicherry University, Pondicherry during 27-28th January 2014.
11. Participated in the “National Conference on Labelings and Decomposition of Graphs”, which is held at The Madura College, Madurai during 29-30th August 2013.
12. Participated in the “One day International Conference on Recent Trends in Discrete Mathematics and its Applications to Science and Engineering”, which is held at Periyar Maniammai University, Thanjavur on 3rd December 2013.
13. Participated in the “One day workshop on Financial Mathematics”, which is held at Madurai Kamaraj University, Madurai on 27th March 2013.
14. Participated in the “National Conference on Frontiers in Analysis and Differential Equations”, which is held at Bharathidasan University, Tiruchirappali during 19-20th December 2012.

15. Participated in the “National Conference on Frontiers in Analysis and Differential Equations”, which is held at Bharathidasan University, Tiruchirappali during 19-20th December 2012.
16. Participated in the “International Conference on Legacy of Srinivasa Ramanujan”, which is held at Srinivasa Ramanujan Centre SASTRA University, Kumbakonam during 14-15th December 2012.
17. Participated in the “International Conference on Legacy of Srinivasa Ramanujan”, which is held at Srinivasa Ramanujan Centre SASTRA University, Kumbakonam during 14-15th December 2012.
18. Participated in the “One day workshop on MATLAB Lecture-II”, which is held at Periyar Maniammai University, Thanjavur on 10th March 2012.
19. Participated in the “One day workshop on Applications of MATLAB Software in Mathematical Field”, which is held at Periyar Maniammai University, Thanjavur on 25th February 2012.
20. Participated in the “One day seminar on Contributions of some women Mathematicians from India”, which is held at Periyar Maniammai University, Thanjavur on 8th March 2012.
21. Participated in the “One day Seminar on Statistics and its Applications in Engineering”, which is held at Periyar Maniammai University, Thanjavur on 18th April 2012.

Membership in

Professional Bodies

1. Life Member: Indian Mathematical Sciences, India
2. Life Member: Kerala Mathematical Society , India

Resource persons in various capacities

Number of Invited / Special Lectures delivered: 01

Recent Publications

1. B. Sundara Vadivoo, R.Raja, (October 2016), "Improved Controllability results for non-linear neutral fractional Volterra-type Integro-differential inclusions with impulses", Science Spectrum, India, Volume1 (4) Issue, 462-470.
2. B. Sundara Vadivoo, R.Raja, (April 2016), "Relative Controllability of fractional dynamical systems with distributed delays and impulses", International Journal of Advanced Research Trends in Engineering and Technology , India, Volume3, Special Issue 20.
3. B. Sundara Vadivoo, R.Raja, (October 2015), "Existence of solutions of fractional delay Integro differential inclusions with non local conditions and impulsive effects", International Journal of Mathematical and Computational Sciences, India, Volume2, Issue1.