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In 1999, I completed my Ph.D in Pondicherry University Under the guidance of Dr.K.M.Tamizhmani.

My Research interest lies in Nonlinear differential, differential-difference and difference Equations.

Thesis Title: On certain integrability aspects of differential-difference Kadomtsev-Petviashvili equation.

Publications:

1. S. Kanaga vel and K. M. Tamizhmani, Lax pairs, Symmetries and Conservation Laws of A Differential-Difference Equation - Sato's Approach, Chaos, Solitons & Fractals 8, 917-931 (1997)
2. Thamizharasi Tamizhmani, S. Kanaga vel and K. M. Tamizhmani, Wronskian and Rational solutions of differential-difference KP equation, J. Phys. A : Math. Gen. 31, 7627-7633 (1998)
3. K. M. Tamizhmani and S. Kanaga vel, Differential-Difference Kadomtsev-Petviashvili Equation : Properties and Integrability, J. Indian Inst. Sci. 78, 311-372 (1998)
4. K. M. Tamizhmani and S. Kanaga vel, Gauge Equivalence and I-reductions of Differential-Difference KP Equation, Chaos, Solitons & Fractals 11, 137-143 (2000)
5. K. M. Tamizhmani, S. Kanaga vel, B. Grammaticos and A. Ramani, Singularity

Structure and Algebraic Properties of Differential-Difference Kadomtsev-Petviashvili Equation, *Chaos, solitons & Fractals* (in press)

6. S. Kanaga vel, Nilpotent Lie Algebras of Kac-Moody type : $A^{(1)}_2 B_2^{(1)} G^{(1)}_2$ - Accepted in *Algebras, Groups and Geometries*
7. Thamizharasi Tamizhmani, S. Kanaga vel and K. M. Tamizhmani, Solutions of Differential-Difference KP Equation - from Sato Theory, in the Proceedings of the International conference on Nonlinear Dynamics: Integrability and Chaos, at Tiruchirappalli, INDIA Eds., M.Daniel, K.M.Tamizhmani and R.Sahadevan, Narosa, pp.201-210 (2000)
8. K. M. Tamizhmani, S. Kanaga vel, B.Grammaticos and A. Ramani, Symmetries and Singularity Confinement of Differential-Difference KP Equation, in the Proceedings of the International conference on Nonlinear Dynamics: Integrability and Chaos, at Tiruchirappalli, INDIA Eds., M.Daniel, K.M.Tamizhmani and R.Sahadevan, Narosa, pp.211-222 (2000)

National level exam passed :

- a) UGC-CSIR joint examination, December 1990 - UGC scheme
- b) UGC-CSIR joint examination, June 1991 - CSIR scheme

Fellowships :

- a) CSIR-fellowship (JRF/SRF) : January 1992 - August 1996
- b) French foreign Ministry High-level fellowship : September 1996 - 15th February 1997.

Conferences, Schools and Semesters Attended :

1. International Winter School on Differential Manifolds" at Centre for Nonlinear Dynamics, Department of Physics, Bharathidasan University, Tiruchirappalli, 1992
2. Indo-French seminar on Applied Mathematics" at Department of Mathematics, Pondicherry University, Pondicherry, 1994
3. International Conference on Differential Equations, Theory, Method and Applications" at Birla Science Centre, Hyderabad, 1995
4. CIMPA Winter School on Nonlinear Systems" at Department of Mathematics Pondicherry University, Pondicherry, 1996
5. International Semester on Integrable Systems" at Centre Emile Borel, Institut Henri Poincare, Paris, France, 15 September 1996 - 15 February 1997
6. International Conference on Nonlinear Dynamics : Integrability and Chaos"

Bharathidasan University, Tiruchirappalli, 12-16 February 1998

7. CIMPA - UNESCO - GOVERNMENT OF PONDICHERRY Winter School on Discrete Integrable Systems" at Pondicherry, 2-14 February 2003.

8. Participated in the 70th Orientation Programme from 05-06-2003 to 02-07-2003 and obtained `A' grade.

9. Five lectures have been given on Sato theory and KP Equations in the Department of Mathematics, Pondicherry University, during 29- 03-2005 to 31-03-2005.

10. Participated in the Second DST SERC School on Nonlinear Dynamics held at Pondicherry University, Pondicherry from 04-01-2006 to 24-01-2006.

11. Participated in the Refresher course in Mathematics conducted by UGC at Academic Sta_ College, Pondicherry from 05-12-2007 to 25-12-2007 and obtained `A' grade.

12. Participated in the Workshop on Integrable Systems organized by the Department of Mathematics, Indian Institute of Science, Banagalore from 18-02-2008 to 29-02-2008.

13. Attendedd two days National Seminar on Analysis of Partial Differential Equations held in the Department of Mathematics, (UGC -SAP - DRS - I), Pondicherry University from 18-12-2009 to 19-12-2009 and Presented a Paper.

14. Participated in the XXth Refresher course in Mathematics conducted by UGC - Academic Staff College, University of Kerala, Tiruvananthapuram from 18-05-2010 to 07-06-2010 and obtained `A' grade.

15. Participated in the Refresher course in Mathematics conducted by UGC at Academic Sta_ College, Bharathidasan University, Tiruchirappalli from 03-07-2013 to 23-07-2013 and obtained `A' grade.

16. Participated in the International Workshop on Discrete Integrable Systems organized by National Mathematics Initiative, Department of Mathematics, Indian Institute of Science, Bangalore from 09-06-2014 to 14-06-2014.

Teaching Experience:

17 years in Indira Gandhi College of Arts and Science.

Subjects handled:

Calculus

Real Analysis

Operations Research

Stochastic Processes

Financial Mathematics

Algebra

Numerical Methods