

Bio-Data
T.SENGADIR

PERSONAL INFORMATION

Name : T. SENGADIR
Sex : Male
Date of Birth: 23-08-63
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Qualification : **Ph.D (IIT Mumbai)**

EXPERIENCE

Name of the Organization	From	To	Last position held
Institute of Mathematical Sciences, Chennai	June 1993	January 1996	Post Doctoral Fellow
Chennai Mathematical Institute	1-3-1996	31-3-1996	Post Doctoral Fellow
Indian Institute of Science, Bangalore	April 1996	September 1999	Lecturer
Sri Chandrasekarendra Saraswathi Viswamaha Vidyalaya	September 1999	April 2000	Officer-in-Charge
SSN College of Engineering	May- 2002	September 2005	Senior Lecturer
SSN College of Engineering	October-2005	September-2008	Assistant Professor
SSN College of Engineering	October-2008	July-2010	Associate Professor
Central University of Tamil Nadu	August-2010	Dec-2011	Visiting Faculty
Central University of Tamil Nadu	Dec-2011	Till Date	Professor
Central University of Tamil Nadu	2 nd March 2014	5 th August 2015	Acting Vice-Chancellor
Central University of Tamil Nadu	6 th August 2015	5 th Feb 2016	Acting Registrar

RELEVANT INFORMATION: 1. Approved Guide for Anna University

2. Ph.D was completed under an **NBHM**

Research Grant.

3. Post-Doctoral Fellowship was completed

Under an **NBHM** Grant.

List Of Instructional Conferences Attended

1. Instructional Conference On Differential Equations, May 7-25, 1990
T.I.F.R. Centre , I.I.Sc Campus, Bangalore
2. Instructional Conference on Riemannian Geometry, Oct.22-Nov. 10 1990,
T.I.F.R, Mumbai
3. Summer School On Geometric Measre Theory and Second order P.D.Es
June 28-July 16, 1993, I.I.Sc. Bangalore

List of National/International Conferences Participated

1. International Conference On The Theory of Differential Equations & Applications To Oceanography, Dec.17-21, 1990, Department of Mathematics, Goa University
2. National Symposium on Nonlinear Analysis & Applications to Real World Problems, Dec.21-24, 1994, Department of Mathematics and Statistics, Science College, Nanded
3. International Conference on Differential Equations-Theory, Methods & Applications, Feb. 20-23, 1995, Centre for Applicable Mathematics, B.M.Birla Science Centre, Hyderabad.
4. International Conference on Recent Trends in Nonlinear Analysis & Its Applications, Dec.11-13, 2004, Department of Mathematics, I.I.T, Mumbai.
5. International Conference on Functional Analysis and its Applications, 28th Nov - 1st Dec. 2007, Scott Christian College, Nagercoil.

**Instructional Conferences/ Refresher Courses/
Orientation Programs Participated
As a Resource Person**

1. MTTS, May 22--June 17, 1997, Indian Institute of Technology, Chennai
2. MTTS, May 18--June 13, 1998, Indian Institute of Technology, Chennai
3. Instructional Workshop On ordinary & Partial Differential Equations,
June 15-July 5, 1998, I.I.Sc, Bangalore.
4. MTTS, May 22--June 17, 2000, Regional Institute of Education, Mysore,.
5. Work Shop on Thoery of Compuation, 21st-30th April, 2003, SSN College of Engineering , Chennai.
6. MTTS, May 15-June 10, 2006, Department of Applied Mathematics, Institute of Chemical Technology, University of Mumbai.
7. Advanced Training Camp in Mathematics, Dec. 18-30, 2006,
Department of Mathematics, Bharathidasan University, Tiruchirapalli
8. UGC-Sponsored Refresher Course in Mathematical Sciences
7th and 8th December, 2007, Bharathidasan University, Tiruchirapalli
- Advanced Training Camp in Mathematics, Dec. 11-23 ,2009,
Department of Mathematics, Bharathidasan University, Tiruchirapalli
9. Advanced Training Camp in Mathematics, Dec 17-31, 2010
Department of Mathematics, SSN College of Engineering, Kalvavakkam, Chennai
10. MTTP, Thyagaraja College of Engineering , Madurai Jan 3-8, 2011
11. MTTS- Shanti Niketan, Bolpur, W-Bengal, May 18 –June 16 , 2011
12. MTTP, Thyagaraja College of Engineering , Madurai Jan 2-7, 2012
13. Work Shop on Discrete Mathematics, 18th -21st November,2011 Veltech University , Chennai
14. Orientation/Refresher Course for College Teachers, in Kerala School of Mathematics, 10th-13th January 1 2014
15. Topological Algebra 15th-19th September,2014 Manonmaniam Sundaranar University, Thirunelveli.
16. 9th November,2014, Refresher Course, Bharathidasan University

List of Invited Talks

- 1. A Class of Banach Spaces and Numerical Computation of Solutions to Differential Equations on Unbounded Domains,**
3rd -5th March, 2011 National Conference on Nonlinear Analysis,
Manonmaniam Sundaranar University, Thirunelveli
- 2. A nonlinear delay differential equation,** 29th 30th March, 2011 National Conference on Nonlinear Analysis and Mathematical Modelling, School Of Mathematics, MKU, Madurai
- 3. Mathematics Education-Trends and Challenges,** 19-21 August,2011
University of Hyderabad
- 4. Solving Differentail Equations Throgh Functional Analysis and Technniques,** 2nd -3rd December, 2012, Department of Mathematics, NIT Karnataka, Surathkal

List of Publications in Refereed Journals

1. T. Sengadir & S.Padhi, Stability and Asymptotic Stability of Neutral Functional Differential Equations, *Diff.Eqns. & Dyn.Systems*, vol **7(1999)** pp 239-249
2. T. Sengadir, Asymptotic Stability of Nonlinear Functional Differential Equations, *Non Linear Anal. T.M.S* vol **28(1997)** pp 1997-2003
3. T.Sengadir, D.V.Pai, A.K.Pani, A Leray-Schauder Type Theorem and Applications to Boundary Value Problems for Neutral Equations, *Non Linear Anal. T.M.S* vol **28(1997)** pp 701-719
4. T.Sengadir and A.K.Pani, Weak Solutions of Integro-Differential and Functional Differential Equations, *Diff.Eqns. & Dyn.Systems*, vol **4(1996)** pp 411-422
5. T.Sengadir, Existence and Stability of Nonlinear Functional Differential Equations, *J Math. Anal & Appl.* Vol **197(1996)** pp-890-907.
6. T.Sengadir and A.K.Pani, Topological Transversality: Applications to Differential Equations, *Bull. Austral.Math.Soc*, Vol. **49(1994)** 251-264
7. Semigroups in Frechet Spaces and Infinite Delay Equations, *Proc.Indian .National Sc. Academy (Maths) February* Vol **117, (2007)**, 71-84
8. Discretisation of an Infinite Delay Equations., *Mathematics of Computation*, **76 (2007)**, 777-793.
9. T.Sengadir and Kanagamuthu, Numerical Solution of Bounded Solutions on an infinite interval, (*Journal of Analysis*)
Vol **16 (2008)**, 81-87
10. T.Sengadir and D. Piriadarshani, Numerical Solution of a Neutral Differential Equation with Infinite Delay, *Differ. Eqn. Dyn. Syst.* **20 (2012)**, no. **1**, 17–34
11. D. Piriadarshani and T.Sengadir, Asymptotic stability of differential equations with infinite delay. *J. Appl. Math.* (2012) Art. ID **804509**, 10 pp.
12. T.Sengadir and D. Piriadarshani, Discrete semigroups approximations of initial and initial boundary value problems for first order pde's in unbounded domains, *Inter.J of Num.Methods and App.* (2014) Vol **11 (2)** 69-86
13. D. Piriadarshani and T.Sengadir, "Existence of solutions and semi discretization for PDE with infinite delay" *Differential Equations & Applications - DEA. Volume 7, Number 3 (2015)*, 313–331
14. G. Divyabharathi and T.Sengadir Fréchet phase space for nonlinear infinite delay equations in Banach spaces, *Proc. Indian Acad. Sci. Math. Sci.* **129 (2019)**
15. Divyabharathi, G.; Sengadir, T. Approximation of nonlinear infinite delay equations in Banach spaces by finite delay equations *Proc. Indian Acad. Sci. Math. Sci.* **132 (2022)**, no. **1**, Paper No. 20, 10 pp.

Papers in Conference Proceedings

1. Leray-Schauder type theorem for multi-valued maps in topological vector-spaces (with T.Sengadir), in : *Approximations Theory and Its Applications* ed. by Geetha S. Rao, New Age International Limited, Publishers, New Delhi, 1996, pp.116-129

Papers Reviewed

1. Differential Equations and Dynamical Systems, , Sep-2012
2. Proceedings Mathematical Sciences, July-2014

Membership in Doctoral Committees/ Board of Studies

1. Chairman, Board of Studies in PG Mathematics, Nehru Memorial College, Puthanampatti, 621 007
2. Member, Board of Studies, K.S.Rangasamy College of Arts and Sciences, Tiruchengode
3. Member, Doctoral Committee, Department of Mathematics, SSN College of Engineering, Chennai.