Dr. S. MURALISANKAR

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1. Personal Details

Date of Birth & Age	:15-05-1974, 48yrs
Gender & Marital Status	:Male, Married
Nationality	:Indian
Place of Birth	:Periyakulam, Tamilnadu.

2. Educational Qualifications

2.1. Academic

Name of the Degree	University/ Institute	Year of Passing	Percentage/ Grade	Main Subject
BSc.,	Madurai Kamaraj University	1994	Second class	Mathematics
MSc.,	Madurai Kamaraj University	1996	First class	Mathematics

2.2. Research

Degree	Name of the University	Title of the Thesis	Date of Submission	Date of Award
Ph.D	Gandhigram Rural University, Gandhigram	Studies on fixed point theorems in fuzzy metric spaces and their applications	15-05-2002	20-12-2002
M.Phil	Madurai Kamaraj University	---	---	1998

3. Post-Doctoral/ Research Associate / Industrial Experience : Nil

4. Professional Experience

No	Name of the University / Institution	Position Held	From (Date)	To (Date)
1	Madurai Kamaraj University	Professor	31-05-2016	Till Date
2	Madurai Kamaraj University	Associate Professor	31-05-2013	30-05-2016
3	Madurai Kamaraj University	Reader	08-07-2009	30-05-2013
4	Anna University Chennai (CEG campus), Chennai	Lecturer	07-07-2004	07-07-2009
5	PSNA College of Engineering and Technology, Dindigul.	Assistant Professor	21-06-2002	06-07-2004

5. Teaching

No	Year	Semester	Course Code	Course Title	Hours per Week
1	2022-23	B.Sc./Sem- I	SMTAC12	Theory of Equations and Trigonometry	5
2	2022-23	M.Sc./Sem-I	MAT2215E	Number Theory	4

6. Design/Development of New Curricula and Courses

No	Description	Organization for which it was Developed	Level(PG/UG)
1	BOS Subject Expert	Alagappa University, Karaikudi	PG/M.Phil
2	BOS Subject Expert	Avinasilingam University, Coimbatore	UG/PG
3	BOS University nominee	Thiagarajar College, Madurai	UG/PG
4	BOS University nominee	American College, Madurai	UG
5	BOS Subject Expert	Jayaraj Annapakiyam College, Periyakulam	UG
6	BOS University Nominee	VVV College for women, Virudhunagar	UG
7	BOS Subject Expert	Mannar Thirumalai Naicker College, Madurai	PG
8	BOS University Nominee	EMGK Yadava Women's College, Madurai	M.Phil
9	BOS University Nominee	Lady Doak College, Madurai	UG

7. Creation of ICT Mediated Teaching-Learning Pedagogy

7.1. SWAYAM / MOOCs : Nil
7.2. E-Contents : Nil
7.3. Development of other ICT Mediated Teaching-Learning Pedagogy : Nil

8. Research Specialization / Field of Research

- ➢ Fixed point theory and its applications
- ➢ Fuzzy functional differential equations
- ➢ Stability analysis of dynamical systems

9. Research Publications

Type	International	National
Papers Published in UGC-CARE Listed Journals	25	-
Papers in Refereed Journals (Not mentioned above)	7	-
Papers Published in Conference/Seminar Proceedings	4	4
Papers Presented in Conferences/Seminars	10	5
Conference/Seminar/Workshop Attended	16	4

10. Citation Metrics

Cumulative Impact Factor (Recent Annual JCR)	43.8
Total Citations (Scopus/Web of Science)	212
h-Index (Scopus/Web of Science)	8

11. Details of Patents : Nil
12. Research Guidance/Supervision

Degree / Programme	Completed	Submitted	Ongoing
PhD (Full-time)	5	1	1
MPhil Research Project (Full-time)	17	--	--
MPhil Research Project (Part-time)	01	--	--
MSc Projects/Dissertation	45	--	6

13. Funded Research Projects
13.1. Ongoing : Nil
13.2 Completed : Two

No	Title of the Project	Funding Agency	Duration and Month &Year of Completion	Total Grants Received (Rs)	No of Papers out of Project
1	Studies on fuzzy differential equations	NBHM	2010-2013	10,70,000/-	5
2	Studies on stability analysis of dynamical systems	CSIR	2013-2016	12,40,000/-	4

14. Reviewer in Journals

Name of the Journal	Publisher	No of Papers Reviewed
IEEE Transactions on Fuzzy Systems	IEEE Computational Intelligence Society	5
Thai Journal of Mathematics	The Mathematical Association of Thailand	2
Journal of Analysis	Springer	4
Journal of Fixed point theory and Applications	Springer	1
Neural Computing and Applications	Springer	3

International Journal of Systems Science	Taylor & Francis	1
Information Sciences and Engineering	Springer	2
Circuits Systems and Signal Processing	Springer	2
Neurocomputing	Elsevier	2
Journal of Function Spaces	Hindawi Publishing Corporation	1

15. Research Collaborations

Name of the Collaborator	Institute	Collaboration Details
Professor P. Balasubramaniam	Gandhigram Deemed University, Gandhigram	Research Collaboration
Professor. J.Y. Park	Pusan National University Pusan 609 739 South Korea.	Research Collaboration
Professor. R. P. Pant	Kumaun University, D.S.B. Campus Nainital 263 002 India.	Research Collaboration
Professor. Ravi P. Agarwal	Texas A&M University-Kingsville 700 University , USA	Research Collaboration

16. Countries Visited

Name of the Country	Period	Purpose
South Korea	August 9-13, 2004	International Conference

17. Honours / Awards / Recognitions

Name of the Honours / Awards / Recognition	Awarding Agency	International / National / State / Institute Level
Senior Research Fellow (SRF)	CSIR	National

18. Conferences / Seminars / Workshops Organized

Level	Conference Title	Date(s)	Place	Role Played	Funding
National	Nonlinear Analysis and Mathematical Modelling (NAMM 2011)	29-30th March 2011	School of Mathematics, Madurai Kamaraj University, Madurai	Organizing Secretary	UGC

19. Invited Lectures / Resource Person

No	Institute / Organizer	Name of the Conference / Seminar / Workshop	International / National / State / Institute Level	Date(s)
1	Vellore institute of Technology, Vellore	Recent Advances in Mathematics	National level	08-08-2022
2	RIAS, University of Madras,Chennai	Refresher Course in Mathematics and Statistics	Institute Level	27 -10- 2021
3	Bharathiar University	Refresher Course in Mathematics and Statistics	Institute Level	27-11-2020
4	SSN college of Engineering, Chennai	International Conference on Mathematical Analysis and Commuting	International level	24-12-2019.
5	Vivekananda Arts and Science College for Women, Salem.	National level seminar on Differential Equations, Functional Analysis and its Applications	National level	08-02-2019
6	Gandhigram Rural Institute, Gandhigram	International Conference on Dynamical Systems, Mathematical Modeling and Commuting Techniques	International level	14-16, February 2019
7	Thiagarajar College, Madurai	Winter School of Dynamical Systems	Institute level	29-11-2018
8	CPA College, Bodinayakannur	National Conference on Mathematical Modelling	National level	30-31, March 2017
9	Sri Sarada Niketan College for women, Karaikudi	National level conference on Mathematical Excellence gears advancement	National level	08.08.2014
10	CPA College, Bodinayakannur	National Conference on Mathematical Modeling	National level	25-26, September 2014
11	Gandhigram Rural Institute, Gandhigram.	Advanced school on Analysis and International Workshop on Control and Dynamical Systems	International level	27-02-2013 to 03-03-2013

20. Professional Development Programs / Faculty Development Programs Organized

Name of the Program	Role	Place	Date(s)	Funds in Rs &Sponsor
Refresher Course	Academic Coordinator	School of Mathematics, MKU, Madurai	23rd February 2011 to 15th March 2011	UGC
Refresher Course	Academic Coordinator	School of Mathematics, MKU, Madurai	03rd February 2015 to 23rd February 2015	UGC

			09th December 2020 to 22nd December 2020	
Refresher Course	Academic Coordinator	School of Mathematics, MKU, Madurai	09th December 2020 to 22nd December 2020	UGC

21. Professional Development Programs / Faculty Development Programs Attended: Nil

22. Administrative Experiences

Role Played	Responsibilities	Period (from … to)
Special Officer (R&P)	Handling the files of Research Projects	01-10-2020 to 10-10-2021

23. Membership in Academic Bodies

- Board of Studies member (B.Sc./M.Sc./ M.Phil., Mathematics courses) for various colleges/universities as a subject expert and university nominee.
- Doctoral committee member for various colleges/universities
- Member/University nominee - Award /Managing/Planning & Evaluation/Academic Council/Finance committee for various colleges.
- Selection committee member for various colleges/universities

24. Membership in Recognised Professional Bodies

Name of the Professional Body	International / National	Type of Membership
Ramanujan Mathematical Society	National	Life Member
Life member of Indian Society for Technical Education(ISTE), India.	National	Life Member

25. Languages Known

Languages	Read	Write	Speak
Tamil	Yes	Yes	Yes
English	Yes	Yes	Yes

26. Competence in Computer Applications

27. Involvement in Extension Activities other than Academic Works

28. Any Other Relevant Information

Details of Publications

Research Publications (from 2010 onwards)

UGC-CARE Listed Journals

1. Sushma Basil, B., **Muralisankar*, S**. and Santhi, A. Some new φ-fixed point theorems via b-simulation functions and their application on quantum structures. Palestine Journal of Mathematics, 11(3) (2022), 120-131. Impact factor : 0

2. Sushma Basil, B., Santhi*, A. and **Muralisankar, S.** Common fixed point theorems on C-conservative mappings via $Z_{\beta\lambda}$-contraction and their application. The Journal of Analysis, (2022),https://doi.org/10.1007/s41478-022-00437-7. Impact factor : 0

3. A. Santhi, **S. Muralisankar*** and Ravi P. Agarwal, A new coupled fixed point theorem via simulation function with application, *Matematicki Vesnik*, 73 (3) (2021) , 209-222. Impact factor : 0

4. **S. Muralisankar*** and A. Santhi, Common fixed point theorems for F*-contraction mappings with an application, *Journal of Analysis,*27(4) (2019), 1109-1121. Impact factor : 0

5. A. Manivannan and **S. Muralisankar*,** Robust stability analysis of Takagi–Sugeno fuzzy nonlinear singular systems with time-varying delays using delay decomposition approach, Circuits, Systems, and Signal Processing, 35 (3) 2016, 791-809. Impact factor : 2.3

6. **S.Muralisankar*** and K.Jeyabal, "ε-compatible Maps and Common Fixed point Theorems," Kyungpook Math. J. 56(2016), 807-817. Impact factor : 0

7. **S.Muralisankar***, A.Manivannan and P.Balasubramaniam, "Mean square delay dependent-probability-distribution stability analysis of neutral type stochastic neural networks," ISA Transactions 58(2015) 11 − 19.
Impact factor : 5.9

8. **S.Muralisankar*** and N.Gopalakrishnan, "Robust stability criteria for Takagi-Sugeno fuzzy cohen-Grossberg neural networks of neural type," Neurocomputing 144(2014) 516-525. Impact factor : 5.7

9. A.Manivannan and **S. Muralisankar*,** Delay-Dependent Exponential Stability Analysis of Non-Linear Switched Singular Systems with Average Dwell Time Approach, Complexity,A Wiley-Blackwell Journal **10/2014; DOI:10.1002/cplx.21621.** Impact factor : 2.8

10. **S. Muralisankar***, Some common fixed point theorems for fuzzy mappings, *Journal of Fuzzy Mathematics*, **22 (1)** (2014), 219-224.
    Impact factor : 0

11. **S. Muralisankar*,** A. Manivannan and N. Gopalakrishnan, Asymptotic stability criteria for T-S fuzzy neural networks with discrete interval and distributed time-varying delays, Neural Computing and Applications. **21** (2012) Suppl 1):S357-S367. Impact factor : 5.1

12. **S. Muralisankar*,** A. Manivannan and P. Balasubramaniam, Robust stability criteria for uncertain neutral type stochastic system with Takagi-Sugeno fuzzy model and Markovian jumping parameters, Communications in Nonlinear Science and Numerical Simulation, 17 (2012) 3876 – 3893.
    Impact factor : 4.1

13. **S. Muralisankar*,** N. Gopalakrishnan and P. Balasubramaniam, An LMI approach for global robust dissipativity analysis of T-S fuzzy neural networks with interval time-varying delays, Expert Systems with Applications, **39** (2012) 3345 - 3355. Impact factor : 8.6

14. **S. Muralisankar*,** N. Gopalakrishnan and P. Balasubramaniam, Robust exponential stability criteria for T-S fuzzy stochastic delayed neural networks of neutral type, Circuits Systems and Signal Processing, **30** (2011) 1617 - 1641.
    Impact factor : 2.3

15. **Muralisankar*** and G. Kalpana, Fixed point theorem for four mappings satisfying a general contractive condition of integral type, *Journal of Analysis,* **19 (**2011), 9 - 24.   Impact factor : 0

16. **S. Muralisankar*** and G. Kalpana, Common fixed point theorems in intuitionistic fuzzy metric spaces for noncompatible mapping, *Journal of Fuzzy Mathematics*,3 (18) (2010), 723 - 732. Impact factor : 0

Other Refereed Journals (from 2010 onwards)

1. A. Santhi and **S. Muralisankar*,** Fixed point theorems for complex valued metric spaces using $\bar{F}$-contraction, *Global Journal of Pure and Applied Mathematics*, 13 (5) (2017), 62-69. Impact factor : 0

2. **S.Muralisankar*** and K. Jeyabal, "Generalization of Suzuki Type Fixed point Theorems," Advances in Fixed point theory, 3(2013), No. 3, 502-509.

Papers Published in Conference Proceedings

1. N. Gopalakrishnanand **S. Muralisankar,** Stability criteria for BAM neural networks with time–varying delays and leakage delay, *Proceedings of the International Conference on Mathematical Methods and Computation* held on 22nd& 23rd January 2015, Jamal Mohamed College, Trichy, Tamil Nadu, India.

2. **S. Muralisankar** and A. Manivannan, A delay decomposition approach to robust stability analysis of Takagi – Sugeno (T-S) fuzzy neutral systems, *Proceeding of the Eighteenth Ramanujan Symposium on Recent trends in Dynamical Systems and Mathematical Modelling,* University of Madras, Chennai, 18 (2014), 34-43.

3. **S. Muralisankar** and A. Manivannan, Robust stability of neutral systems with Takagi – Sugeno (T-S) fuzzy model and interval time-varying delays, *Proceeding of the National Conference on Differential Equations and Applications: Recent Advances*, Narosa Publishing House, New Delhi, (2014), 173-181.

4. **S. Muralisankar** and N. Gopalakrishnan, Robust asymptotic stability criteria for Takagi – Sugeno (T-S) fuzzy neural networks with mixed interval time-varying delays, *Proceeding of the National Conference on Differential Equations and Applications: Recent Advances*, Narosa Publishing House, New Delhi, (2014), 182-191.

5. N. Gopalakrishnan and **S. Muralisankar**, Stability criteria for delayed neural networks with time-varying delays, *Proceeding of the International conference on Mathematical Modeling and Applied soft computing*, Vol. 2 (2012), 592-603.

6. A. Santhi, and **S.Muralisankar,** A theorem on coupled fixed point and it's application, Springer Proceedings in Mathematics and Statistics, 2021, 344, pp. 127–145.