

**Dr. R.SUMITRA, M.Sc.,M.Phil.,Ph.D.**



**Professional details:**

**Present designation** : Assistant Professor  
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**Personal Details:**

**Date of Birth** : 11-06-1977  
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***Objective or Career goals***

- ✓ Develop and promote creativity and high-order thinking skills that increase the performance of the students ;
- ✓ To facilitate an interactive learning environment with an integral focus on research and practical training as well.

### Education

S.NO	YEAR	DEGREE	INSTITUTION	SUBJECT WITH SPECIALIZATION	CLASS	RANK
1.	2010	Ph.D.	Department of Mathematics Anna University, Chennai	Mathematics Specialization: Fixed Point Theory and its Applications	-	-
2.	2002	M.Phil.	Department of Mathematics Madurai Kamaraj University, Madurai	Mathematics	-	-
3.	1999	Post Graduate M.Sc.,	Annamalai University, Chidambaram.	Mathematics	FIRST	-
4.	1997	Under Graduate B.Sc.,	Quaid-E-Milleth Government College for Women, University of Madras, Chennai.	Mathematics	FIRST	Subject Proficiency Awards.
5.	1994	HSC	Board of Higher Secondary Education, TamilNadu	-	FIRST	
6.	1992	SSLC	Board of Secondary Education, TamilNadu	-	FIRST	

### Other Examinations Passed

S.NO	YEAR	NAME OF THE TEST	NAME OF THE UNIVERSITY/COUNCIL/ORGANIZATION WHO CONDUCTED THE EXAMINATION
1.	2020	The Account Test for Executive Officers, Test Code: 152	Tamil Nadu Public Service Commission, Government of Tamil Nadu

### ***Courses and Certificates***

<b>S.NO</b>	<b>COURSE</b>	<b>DATES</b>	<b>DETAILS OF WHERE THE COURSE WAS DONE</b>
1	Refresher Course in Mathematics- Managing Online Classes and Co-Creating MOOCS	24.04.2024 to 07.05.2024	Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
2.	In-Service Teacher Training Programme for University and College Teachers organized by Tamil Nadu State Council for Higher Education, University of Madras and Directorate of Collegiate Education	19.4.2022 to 20.4.2022	University of Madras
3.	Refresher Course in Mathematics- Mathematical Sciences	14.06.2021 to 28.06.2021	Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
2	Refresher Course in Teacher Education	01.03.2019 to 21.03.2019	University Grants Commission (UGC), Human Resource Development Centre (HRDC) and Regional Centres for Capacity Building (RCCB), University of Madras, Chennai
4	Orientation Course for newly appointed government college Teachers.	02.11.2016 to 29.11.2016	University Grants Commission (UGC), Human Resource Development Centre (HRDC) and Regional Centres for Capacity Building (RCCB), University of Madras, Chennai

**Professional Experience****Teaching Experience : 23 years**

S.NO	FROM -TO	DESIGNATION	INSTITUTION/UNIVERSITY
1	29.07.2019 till date	Assistant Professor(Senior Scale), Department of Mathematics	Queen Mary's College, Chennai 04
2.	19.10.2015 to 28.07.2019	Assistant Professor Department of Mathematics	Queen Mary's College, Chennai 04
3.	29.07.2015 to 18.10.2015	Assistant Professor Department of Mathematics	Government Arts College for women, Krishnagiri
4.	3.8.2011 to 27.07.2015	Assistant Professor Department of Mathematics	Easwari Engineering College, Chennai 89.
5.	2003-2011	Lecturer Department of Mathematics	SMK Fomra Institute of Technology, Chennai 103.
6.	2001 -2003	Lecturer, Department of Mathematics	Easwari Engineering College, Chennai 89.

**Membership in professional bodies**

S.NO	MEMBERSHIP BODY	YEAR	VALID TILL
1.	Ramanujan Mathematical Society ( Ref. 1733 dtd.18.8.2021)	2021	Life Time Membership

**Books Chapters Published**

S.NO	TITLE OF BOOK	YEAR	DETAILS OF THE PUBLISHER
1.	Mathematical Analysis: Chapter 20: Multivalued Contractions using Bipartite Graphs	2023	Narosa Publishing House, New-Delhi ISBN no. 978-81-8487-760-1
2.	Mathematical Analysis: Chapter 19: $(\alpha-\psi)$ Contraction mapping in rectangular $S_b$ -metric space	2023	Narosa Publishing House, New-Delhi ISBN no. 978-81-8487-760-1
3.	Recent Studies in Mathematical and Computational Sciences	2020	Book Publisher International

	Chapter 14 : Critical study on common fixed point theorem for more general occasionally noncommuting mappings		ISBN No. 978-93-90149-52-0
4.	Recent Studies in Mathematical and Computer Science Chapter 13: Studies on Common Fixed Point theorem for T-Hardy-Rogers Contraction Mapping in a Cone Metric Space	2020	Book Publisher International ISBN No. 978-93-90149-52-0
5.	Theory and Applications of Mathematical Sciences, Chapter 20 A Study on Common Fixed Point and Invariant Approximation Theorems for Mappings Satisfying Generalized Contraction Principle	2019	Book Publisher International ISBN no. 978-93-89816-60-0

**KEY ROLE & RESPONSIBILITIES HANDLED:**

S.NO	NAME OF THE ROLE	YEAR	DETAILS OF WHERE THE ROLE WAS PLAYED
1.	Association- In-Charge	2024-2025	Department of Mathematics Queen Mary's College, Chennai
2.	Mentor- B.Sc.Mathematics TM(2024-2027 Batch	2024-2025	Department of Mathematics Queen Mary's College, Chennai
3.	Mentor- B.Sc.Mathematics TM(2019-2022) Batch	2019-2022	Department of Mathematics Queen Mary's College, Chennai
4.	Mentor- B.Sc.Mathematics EM(2016-2019) Batch	2016-2019	Department of Mathematics Queen Mary's College, Chennai
5.	IQAC- Department Representative Member	2016-2021	Queen Mary's College, Chennai

## CONFERENCES / SEMINARS/WORKSHOPS ORGANIZED

S.NO	TITLE OF THE PROGRAMME ORGANIZED and NAME OF THE ROLE	NAME OF THE ROLE	DATE OF THE PROGRAMME	DETAILS OF WHERE THE PROGRAMME WAS ORGANIZED
1.	International Seminar on Recent Advances in Mathematical and Computational Sciences	Organizing Secretary	4.2.2025	Department of Mathematics Queen Mary's College, Chennai
2.	One Day Programme on "Music and Yoga"	Organizing Member	07.01.2020	Queen Mary's College, Chennai

## PARTICIPATION AS BOARD OF STUDIES MEMBER

Board of Studies	Date and Venue
PG Board of Studies	12 <sup>th</sup> April 2021- Department of Mathematics, Queen Mary's College, Chennai 04.
UG Board of Studies	2019- - Department of Mathematics, Queen Mary's College, Chennai 04.

## *Research Experience & Contributions*

### Ph.D. GUIDESHIP DETAILS

University :	University of Madras
Guideship No.	No.RP/Guideship/Ph.D./ Approval/ 2022/865 dtd. 01 <sup>st</sup> June 2022
Specialization	Functional Analysis
Areas of Research Interest	Fixed Point Theory, Applications of Fixed Point theorems in Various fields, Graph Theory, Queuing Models, Artificial Intelligence, Machine Learning in Higher Mathematics

**Number of Research Scholars who are Pursuing Ph.D. Programme : 1**

<b>Google Scholar Link</b>	<a href="https://scholar.google.com/citations?hl=en&amp;user=X5mayiQAAAAJ&amp;view_op=list_works&amp;authuser=2&amp;sortby=pubdate">https://scholar.google.com/citations?hl=en&amp;user=X5mayiQAAAAJ&amp;view_op=list_works&amp;authuser=2&amp;sortby=pubdate</a>
<b>Publon Link</b>	<a href="https://www.webofscience.com/wos/author/record/AAA-9293-2022">https://www.webofscience.com/wos/author/record/AAA-9293-2022</a>
<b>Total Number of Publications</b>	14
<b>Total Citations</b>	67
<b>h-index</b>	4
<b>i-10 index</b>	2

**DOCTORAL COMMITTEE MEMBER : 2 Research Scholars**

**M.Phil. GUIDESHIP DETAILS**

<b>University :</b>	University of Madras
<b>Guideship No.</b>	No.D.2/M.PHIL./GUIDE/2017/ 2414 dtd. 13 Nov.2017
<b>Number of M.Phil. students Guided</b>	1

**M.Sc. PROJECTS GUIDED : 2**

***Awards and special achievements***

<b>S.No.</b>	<b>Name of the Award</b>	<b>Details of the Organization</b>	<b>Year</b>
1.	Women Researcher Award	VD Good Technology Factory	2019
2.	Dr.Radhakrishnan Teaching Excellence Award	International Association of Lions Clubs and Lions Club of Chennai Orchid, Region 9, Zone 2	2020

3.	100 % PERFORMANCE AWARD	SMK Fomra Institute of Technology, Kelambakkam, Chennai	2008,2009, 2010
4.	SUBJECT PROFICIENCY	Quaid-E-Milleth Govt.College for Women, Chennai (Affiliated to University of Madras)	1997
5.	ENDOWMENT AND MEMORIAL PRIZES	Quaid-E-Milleth Govt.College for Women, Chennai (Affiliated to University of Madras)	1997

#### ***List of Paper Publications in reputed journals***

REFER- [https://docs.google.com/document/d/1j217QufiETd0S7NxORVP0L7pO-MSOERS/edit?usp=drive\\_link&ouid=110691781270286412355&rtpof=true&sd=true](https://docs.google.com/document/d/1j217QufiETd0S7NxORVP0L7pO-MSOERS/edit?usp=drive_link&ouid=110691781270286412355&rtpof=true&sd=true)

#### ***List of Participations***

REFER-  
[https://docs.google.com/document/d/1j3ZvesDbcS5635HXjDXlvGfom29Pqu9p/edit?usp=drive\\_link&ouid=110691781270286412355&rtpof=true&sd=true](https://docs.google.com/document/d/1j3ZvesDbcS5635HXjDXlvGfom29Pqu9p/edit?usp=drive_link&ouid=110691781270286412355&rtpof=true&sd=true)