



Dr.D.Radha

Assistant Professor

PGand Research Department of Mathematics

A.P.C.Mahalaxmi College for Women, Thoothukudi

Email : radharavimaths@gmail.com

Date of Appointment : 27 December 2006

Qualification : M.Sc., M.Phil., Ph.D.,

Specialization : Algebra

Education & Credentials

Degree	College / University	Specialization	Year
Ph.D	Manonmaniam Sundaranar University, Tirunelveli	Near-rings	2018
M.Phil	Manonmaniam Sundaranar University, Tirunelveli	Mathematics	1994
M.Sc	Manonmaniam Sundaranar University, Tirunelveli	Mathematics	1993
B.Sc	Madurai Kamaraj University, Madurai	Mathematics	1991

Honors / Awards :

- ❖ Secured 6th rank in M.Sc (Manonmaniam Sudaranar University)
- ❖ Secured 3rd rank in M.Phil (Manonmaniam Sundaranar University)

Research Experience

Ph.D:

- a) Topic : Some studies in Intuitionisticfuzzy soft G–Modules
- b) Name and Description of the Supervisor : Dr.G.Subbiah,
Associate Professor of Mathematics,
K.G.S College,
Srivaikundam.
- c) Name and Description of the Co - Guide : Dr.S.Navaneethakrishnan,
Associate Professor of Mathematics,
Kamaraj College,
Thoothukudi.

Project Guidance:

- a) M.Sc., - 22 students
- b) M.Phil., - 13 students

Chapters / Book Publications

S.No	Book Name	Topic	ISBN Number	Pages	Year of Publication
1.	Let Equality Flourish	Empowerment is a Process, not an end-state	978-93-89051-64-3	04-06	2019
2.	Near Rings - A Glimpse		978-81-942832-2-5		2019
3.	சமூக படைப்புகள்		978-81-94-2832-8-7		2019

Paper Publications

S.No	Title of the Paper	Name of the Journal	Level	Published Details
1	Fuzzy version of Soft Int-G-modules	International Research Journal of Pure Algebra	International	Vol 6, Issue 7, 2016(6.972), pp 348-353.
2	Fuzzy version of Soft Uni-G-modules	Advances in Fuzzy Mathematics- Algebra	National	Vol 11, Issue 2, 2016, pp 147-156
3	Fuzzy Soft Union Action on N-Module and N-Ideal Structures	International Research Journal of Pure Algebra	International	Vol 6, Issue 10, 2016(6.972), pp 422-430
4	On Flexible Fuzzy Subgroups with flexible Fuzzy Order	International Research Journal of Pure Algebra	International	Vol 6, Issue 11, 2016(6.972), pp 436-442.
5	Certain Structures of Fuzzy Soft G-modules-	International Journal of Engineering and Scientific Research	International	Vol 5, Issue 1, 2017(5.990), pp 1-17
6	Some structures of idempotent Commutative Semi group	International journal of science, Engineering and Management	International	Vol2, Issue 12, Dec 2017(2.7), pp 256 -259
7	Co – ideals in ternary gamma semi groups	Enrich	Accepted	
8	Stable and Pseudo stable gamma near rings	Proceedings on National Conference on Recent trends in Pure and applied Mathematics	National	September 14, 2017, 23 -31, 978-81-935198-1-3
9	On weakly π -sub commutative gamma near rings	Proceedings on National Conference on Innovations in Mathematics	National	Feb 9 2018-10-17, 10 -18, 978-81-935198-1-3
10	Pseudo symmetric ternary gamma semi ring	Proceedings on National Conference on Innovations in Mathematics	National	Feb 9 2018-10-17, 19 – 24, 978-81-935198-1-3
11	On Zero-Symmetric Semicentral Γ -Near Rings	International Journal of Science, Engineering and Management	International	Vol 3, Issue 4, April 2018(2.7), pp 571-575
12	Normality in Idempotent Commutative Γ -Semigroup	International Journal of Science, Engineering and Management	International	Vol 3, Issue 4, April 2018(2.7), pp 651-654
13	Left Singularity and Left	International Journal of	International	Vol 3, Issue 4,

	Regularity in Near Idempotent Γ -Semigroup	Science, Engineering and Management		April 2018(2.7), pp 667-671
14	Quasi Completely prime ideals in ternary gamma semi ring	International Journal of Science, Engineering and Management	International	Vol 3, Issue 4, April 2018(2.7), pp
15	On left bipotent gamma semi near ring		International	
16	On Quasi weak commutative semi near- ring	International Journal of Science, Engineering and Management	International	Vol 4, Issue 1, January 2019 (5.87), pp 21 - 23
17	A Study on Pseudo Commutative Seminear Rings	Journal of Emerging Technologies and Innovative Research	International	Vol 6, Issue2, February 2019 (5.87), pp 1082-1088
18	A Study on Normal Gamma Seminear Rings	Journal of Emerging Technologies and Innovative Research	International	Vol 6, Issue2, February 2019 (5.87), pp 1075-1081
19	On Two Sided Near Idempotent Gamma Semigroup (TSIN Gamma Semi Group)	Journal of Emerging Technologies and Innovative Research	International	Vol 6, Issue2, February 2019 (5.87), pp 1070-1074
20	Completely Prime Quasi ideals in Ternary Gamma Semiring	IFERP Journal	International	
21	A Study on GS-Near Ring	Journal of Emerging Technologies and Innovative Research	International	Vol 6, Issue2, February 2019 (5.87), pp 1064-1069
22	A Study on Idempotent Commutative Gamma Semigroup	Journal of Emerging Technologies and Innovative Research	International	Vol 6, Issue2, February 2019 (5.87), pp 1059-1063
23	r-Regular Gamma Near Rings	Journal of Emerging Technologies and Innovative Research	International	Vol 6, Issue2, February 2019 (5.87), pp 1054-1058
24	On S-Near Rings and S'Near Rings with Right Bipotency	Journal of Emerging Technologies and Innovative Research	International	Vol 6, Issue2, February 2019 (5.87), pp 995-1000
25	A Study on Semicentral Seminear-rings	Proceedings on National Seminar on New Dimensions in Mathematics and its	National	ISBN : 978-93-5346-948-1 pp 97-106

		applications		
26	P- Pseudo symmetric ideals in ternary semigroups	Proceedings on National Seminar on New Dimensions in Mathematics and its applications	National	ISBN : 978-93-5346-948-1 pp 8-15
27	α_1, α_2 Gamma Near-Rings	VVV Journal	Accepted	
28	A study on Primitive idempotents in Semicentral Seminear-Rings	VVV Journal	Accepted	
29	B ₂ Near Rings	Proceedings on Instructional School on Emerging Trends in Advanced Mathematics- ISETAM-2019	International	PP 136 - 143
30	A Study on P-Weakly Regular Near-ring	Journal of Emerging Technologies and Innovative Research	International	Vol 6, Issue 6, June 2019(5.87) ,pp 159 - 163
31	On Prime Semi Near Rings	Journal of Emerging Technologies and Innovative Research	International	Vol 6, Issue 6, June 2019(5.87) ,pp 488 - 493
32	A study on Quasi Weak Commutative Gamma Near Rings	Journal of Emerging Technologies and Innovative Research	International	Vol 6, Issue 6, June 2019(5.87) ,pp 494 - 499
33.	Role of α_1, α_2 near ring in Boolean S-near ring	VVV Journal	Accepted	

Papers Presented in Conferences / Seminars

S. No	Date	Name of the Program	Topic	Venue	Level
1.	03.09.2014 to 05.09.2014	Recent Advances in Pure and Applied Mathematics	On Near-triple System	St.Xavier's College, Palayamkottai	National
2.	27.03.2015	Seminar on Recent Trends in Functional Analysis, Topology and Graph Theory	Completely prime and Completely semi-prime ideals in IFP Noetherian regular delta near-rings	M.D.T.Hindu College, Tirunelveli	National
3	16.02.2017	Conference on Discrete and computational Mathematics – ICDCM 2017	On stable and pseudo stable gamma near rings	Gandhigram Rural Institute, Dindugul	International

4	28.02.2017	Mathematics and its application scenario in 21 st century	Some Structures of Idempotent Commutative semigroup	A.P.C.Mahalaxmi College for Women, Thoothukudi	National
5	28.02.2017	Mathematics and its application scenario in 21 st century	Co- ideals in ternary [- semigroup	A.P.C.Mahalaxmi College for Women, Thoothukudi	National
6	28.02.2017	Mathematics and its application scenario in 21 st century	P- Pseudo symmetric ideals in ternary semigroups	A.P.C.Mahalaxmi College for Women, Thoothukudi	National
7	28.02.2017	Mathematics and its application scenario in 21 st century	On left bipotent gamma semi near ring	A.P.C.Mahalaxmi College for Women, Thoothukudi	National
8	28.02.2017	Mathematics and its application scenario in 21 st century	On Quasi weak commutative semi near- ring	A.P.C.Mahalaxmi College for Women, Thoothukudi	National
9	09.02.2018	National Conference on Innovations in Mathematics	On weakly π -sub commutative gamma near rings	Sadakathullah Appa College, Tirunelveli.	National
10	09.02.2019	National Conference on Innovations in Mathematics	Pseudo symmetric ternary gamma semi ring	Sadakathullah Appa College, Tirunelveli.	National
11	19.04.2018 & 20.04.2018	Conference on Recent Trends in Multi – Disciplinary Research	Left singularity and left regularity in near idempotent Γ - semi group	V.O.Chidambaram College, Thoothukudi	International
12	19.04.2018 & 20.04.2018	International Conference on Recent Trends in Multi – Disciplinary Research	Normality in idempotent commutative Γ - semi group	V.O.Chidambaram College, Thoothukudi	International
13	19.04.2018 & 20.04.2018	International Conference on Recent Trends in Multi – Disciplinary Research	On Zero – Symmetric Semicentral Γ - near rings	V.O.Chidambaram College, Thoothukudi	International
14	19.04.2018 & 20.04.2018	International Conference on Recent Trends in Multi – Disciplinary Research	Quasi Completely prime ideals in ternary gamma semi ring	V.O.Chidambaram College, Thoothukudi	International
15	20.12.2018	International Conference	A study on Pseudo	A.P.C.Mahalaxmi	International

	& 21.12.2018	on Recent Trends in Multi – Disciplinary Research	commutative Seminear rings	College for Women, Thoothukudi	
16	20.12.2018 &21.12.2018	International Conference on Recent Trends in Multi – Disciplinary Research	A study on normal Gamma Seminear rings	A.P.C.Mahalaxmi College for Women, Thoothukudi	International
17	20.12.2018 & 21.12.2018	International Conference on Recent Trends in Multi – Disciplinary Research	On two sided Near Idempotent Gamma Semigroup (TSIN Gamma Semi group)	A.P.C.Mahalaxmi College for Women, Thoothukudi	International
18	20.12.2018 &21.12.2018	International Conference on Recent Trends in Multi – Disciplinary Research	Completely Prime Quasi ideals in Ternary Gamma Semiring	A.P.C.Mahalaxmi College for Women, Thoothukudi	International
19	20.12.2018 & 21.12.2018	International Conference on Recent Trends in Multi – Disciplinary Research	A study on GS – Near ring	A.P.C.Mahalaxmi College for Women, Thoothukudi	International
20	20.12.2018 & 21.12.2018	International Conference on Recent Trends in Multi – Disciplinary Research	A study on Idempotent Commutative Gamma Semigroup	A.P.C.Mahalaxmi College for Women, Thoothukudi	International
21	20.12.2018 & 21.12.2018	International Conference on Recent Trends in Multi – Disciplinary Research	r – regular Gamma Near rings	A.P.C.Mahalaxmi College for Women, Thoothukudi	International
22	20.12.2018 & 21.12.2018	International Conference on Recent Trends in Multi – Disciplinary Research	On Quasi weak commutative Semi near ring	A.P.C.Mahalaxmi College for Women, Thoothukudi	International
23	20.12.2018 & 21.12.2018	International Conference on Recent Trends in Multi – Disciplinary Research	On left bipotent Gamma seminear ring	A.P.C.Mahalaxmi College for Women, Thoothukudi	International
24	20.12.2018 & 21.12.2018	International Conference on Recent Trends in Multi – Disciplinary Research	On S – Near rings and S'-Near rings with right bipotency	A.P.C.Mahalaxmi College for Women, Thoothukudi	International
25	17.10.2018	National Seminar on New Dimensions in Mathematics and its applications	A Study on Semicentral Seminear-rings	Kamaraj College, Thoothukudi	National
26	17.10.2018	National Seminar on New Dimensions in	P- Pseudo symmetric ideals in	Kamaraj College, Thoothukudi	National

		Mathematics and its applications	ternary semigroups		
27	11.02.2019 & 12.02.2019	Instructional School on Emerging Trends in Advanced Mathematics	B_2 Near Ring	St. Mary's College, Thoothukudi	International
28	11.02.2019 & 12.02.2019	Instructional School on Emerging Trends in Advanced Mathematics	Some Results on Orthogonal elements in Semicentral Seminear-rings	St. Mary's College, Thoothukudi	International
29	11.02.2019 & 12.02.2019	Instructional School on Emerging Trends in Advanced Mathematics	α_1, α_2 Gamma Near Rings	St. Mary's College, Thoothukudi	International
30.	09.08.2019	Applications of Graph Theory in Modern Technical World	A Study on Weak Commutative Gamma Near Ring	Morappur Kongu College of Arts and Science, Morappur.	International
31.	09.08.2019	Applications of Graph Theory in Modern Technical World	Regularity in Boolean S-Near Ring	Morappur Kongu College of Arts and Science, Morappur.	International
32.	27.09.2019	Graph Theory and Vedic Mathematics	A Study on near fields	Kamaraj College, Thoothukudi	State
33.	27.09.2019	Graph Theory and Vedic Mathematics	Ideals in left weakly regular near ring	Kamaraj College, Thoothukudi	State
34.	27.09.2019	Graph Theory and Vedic Mathematics	A Study on β_1 and β_2 Near -Ring	Kamaraj College, Thoothukudi	State
35.	27.09.2019	Graph Theory and Vedic Mathematics	Completely Semi prime Ideals in α_1 near ring and α_2 near ring	Kamaraj College, Thoothukudi	State
36.	27.09.2019	Graph Theory and Vedic Mathematics	Strong S_1 -near ring with zero symmetry	Kamaraj College, Thoothukudi	State

Conferences / Seminars / Workshops Attended

S. No	Date	Name of the Program	Venue	Type of the Program	Level
1.	25.08.2007	Differential Geometry	G.V.N.College, Kovilpatti	Seminar	Regional
2.	21.09.2007	Differential Geometry	Holy Cross College, Nagercoil	Seminar	Regional

3.	04.02.2009 to 06.02.2009	Algebra, Graph Theory and its Applications	Manonmaniam Sundaranar University, Tirunelveli	Seminar	National
4.	28.09.2010	Department of IT, Govt. of India, New Delhi & Centre for Development of Advanced Computing, Hyderabad	A.P.C.Mahalaxmi College	Seminar	State
5.	22.10.2010	Recent Trends in Functional Analysis, Topology and Graph Theory	M.D.T.Hindu College, Tirunelveli	Seminar	National
6	27.01.2011	Nurturing the Spirit of Research among Undergraduate students	A.P.C.Mahalaxmi College for Women, Thoothukudi	Workshop	State
7	12.10.2011 & 13.10.2011	Recent Trends in Mathematics	A..P.C.Mahalaxmi College for Women, Thoothukudi	Seminar	National
8	10.09.2011 & 11.09.2011	e-Literacy	A..P.C.Mahalaxmi College for Women, Thoothukudi	Seminar	Regional
9	13.09.2012 & 14.09.2012	Emerging Trends in Pure and Applied Mathematics	Pope's College, Sawyerpuram	Seminar	National
10	06.09.2013	Emerging Trends in Graph Theory and Fuzzy Mathematics	A.P.C.Mahalaxmi College for Women, Thoothukudi	Seminar	State
11	14.03.2014	Dr.S.S.Pillai Memorial Lecture	M.S.University, Tirunelveli	Seminar	Regional
12	03.09.2014 to 05.09.2014	Recent Advances in Pure and Applied Mathematics	St.Xavier's College, Palayamkottai.	Conference	National
13	22.01.2015 & 23.01.2015	Advances in Fuzzy Algebra, Fuzzy Topology& Fuzzy graphs	A.P.C.Mahalaxmi College for Women, Thoothukudi	Conference	National
14	26.03.2015	Recent developments in	The M.D.T Hindu	Seminar	National

	& 27.03.2015	functional Analysis , Topology and Graph Theory	College, Tirunelveli		
15	30.09.2015	Recent Developments in Algebra & Graph Theory, Department of Mathematics	A.P.C.Mahalaxmi College for Women, Thoothukudi.	Seminar	State
16	08.09.2016 & 09.09.2016	Effect of National Education Policy 2016 in the present scenario	V.O.Chidambaram College of education, Thoothukudi	Workshop	National
17	16.02.2017 to 18.02.2017	Discrete and computational Mathematics – ICDCM 2017	Gandhigram Rural Institute, Dindugul	Conference	International
18	28.02.2017	Mathematics and its applications scenario in 21 st Century	A.P.C.Mahalaxmi College for Women, Thoothukudi	Seminar	National
19	02.03.2017	Demonetisation and cashless economy (NCDCE)	A.P.C.Mahalaxmi College for Women, Thoothukudi	Conference	National
20	14.09.2017	Graph Theory and its Applications	Sadakathullah Appa College (Autonomous), Rahmath Nagar, Tirunelveli	Seminar	National
21	14.12.2017 &15.12.201 7	Recent Advancements in Information Technology, Science and Engineering	A.P.C.Mahalaxmi College for Women, Thoothukudi	Conference	International
22	22.12.2017	Net Training Programme	A.P.C.Mahalaxmi College for Women, Thoothukudi	Conference	State
23	09.02.2018	Innovations in Mathematics (NCIM- 2018)	Sadakathullah Appa College (Autonomous), Rahmath Nagar, Tirunelveli	Conference	National
24	19.04.2018 & 20.04.2018	Recent trends in Multi- disciplinary Research	V.O.Chidambaram College, Thoothukudi	Conference	International
25	17.10.2018	New Dimensions in Mathematics and its	Kamaraj College, Thoothukudi	Seminar	National

		applications			
26	20.12.2018 &21.12.2018	Recent trends in Multi-disciplinary Research	A.P.C.Mahalaxmi College for Women, Thoothukudi	Conference	International
27	11.02.2019 & 12.02.2019	Instructional School on Emerging Trends in Advanced Mathematics	St. Mary's College, Thoothukudi	Conference	International
28	24.06.2019	Capacity Building Programme on ICT Enabled Effective Institutional Governanace	Mastersoft ERP Solutions Pvt.Ltd Tirunelveli	Workshop	University
29.	17.08.2019	The Role of Faculty in Institutional Development	V.O.Chidambaram College, Thoothukudi	Seminar	College
30.	20.08.2019 & 21.08.2019	Women Empowerment - Gender Justice	A.P.C.Mahalaxmi College for Women, Thoothukudi	Conference	International

Academic Positions

1. Internal Examiner for M.Sc project viva-voce examination
2. Examiner for M.Phil Viva-Voce examination, A.P.C.Mahalaxmi College, Thoothukudi.
3. Question Paper Setter, Sri Palani Andavar College (Autonomous), Palani.

Orientation & Refresher Programmes Attended

S.No	Name of the Programme	Name of Academic Staff College	Period
1	Orientation Course	Madurai Kamaraj University	16.02.2010 to 15.03.2010
2	Refresher Course	Madurai Kamaraj University	07.02.2012 to 27.02.2012
3	UGC Sponsored Refresher Course	Madurai Kamaraj University	03.02.2015 to 23.02.2015
4	Refresher Course	Madurai Kamaraj University	02.11.2016 to 22.11.2016

Total Teaching Experience

U.G.Level : 23 years 9 months
 P.G.Level : 13 years 6 months
 Research Level : 8 years

Participation in College Committees

- In charge of General time-table.
- Acted as NSS Programme Officer of Unit No. 47 from 2008 –2013 (For five years) and conducted Three Annual Camps at villages.
- In Charge of Student proficiency from 2012 to 2014.
- Involved in college day activities specially “Tableau” for more than 10 years.
- In charge of Students’ Council from 2013-2018.
- Along with the Department members, arranged seminars, Mathematics exhibition and Quiz programme.

Remarkable Activities

- Acted as Chief Examiner in TNPSC VAO Examination and TNPSC GROUP IV examination.
- Acted as Judge in District Level Science Exhibition held at Holy Cross Anglo Indian Girls’ Higher Secondary School, Thoothukudi.
- Acted as a Nodal Officer of A.P.C.Mahalaxmi College for Women in District election Commission.
- Served as a School Management Committee Member in Sakthi Vinayagar Hindu Vidhyalaya (CBSE), Thoothukudi.
- Acted as Judge in Student Centered Programme held on 21.02.2017, conducted by Department of Physics.
- IQAC member – Criterion VI from 2018-2019
- Co-ordinator – NIRF Ranking from 2018-2019
- Co-ordinator in Traditional Festival held on 4th, 5th, 6th October 2018.
- Acted as a Session Chair Person at International Conference on Recent Trends in Multi-disciplinary Research (ICRTMDR-18) held at A.P.C. Mahalaxmi College for Women, Thoothukudi on 20th and 21st December 2018.
- Delivered a talk on “Bipotency in Near Rings” on Research Oriented Lecture Series-2019 held at A.P.C. Mahalaxmi College for Women on February 7th, 2019.
- Co-ordinator for Life Skill Training Programme on 16.09.2019
- Acted as SPoC (Single Point of Contact) with Foundation for CSR @ Redington; No.73.2nd Floor, Janaki bhavan, Sardar patel Road, Guindy, Chennai - 600038 and as an activity of CSR of Redington Foundation and as a functional MoU activity, Skill Development Classes are organised from 13.09.2019.
- On behalf of Career Guidance Cell, acted as a Co-ordinator for the Add-on Courses for II U.G degree students, as a functional MoU activity with Sri Bagampriyal Institute, Thoothukudi during Odd sem of 2019-20.