



## **Dr.V.Mahalakshmi**

Assistant Professor

PG Department of Mathematics

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

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**Date of Appointment** : 24, August, 2017

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

**Specialization** : Algebra – Near Subtraction Semigroups

### **Education & Credentials**

<b>Degree</b>	<b>College / University</b>	<b>Specialization</b>	<b>Year</b>
<b>Ph.D</b>	Manonmaniam Sundaranar University,Tirunelveli	Near Subtraction Semigroups	2017
<b>M.Phil</b>	Manonmaniam Sundaranar University, Tirunelveli	Mathematics	2009
<b>M.Sc</b>	Manonmaniam Sundaranar University, Tirunelveli	Mathematics	2008
<b>B.Sc</b>	Sri Parasakthi College for Women, Courtallam	Mathematics	2006

### **Research Guidance Offered**

➤ Research Experience : 10 years

- Title of Thesis : A Study on Regularities in Near Subtraction Semigroups
- Project undertaken (PG Level) : 18 Students
- Project undertaken (M.Phil Level) : 3 Students

## Paper Publications

S.No	Title of the paper	Name of the journal	National/ international	year of publication	Impact factor	Issn.no
1	On Bi ideals of Near-Subtraction semigroup	Advances in Algebra	International	2013	-	ISSN 0973-6964
2	Strongly regular and Bi-ideals of Near-Subtraction Semigroup	IJMS	International	2013	-	ISSN 0972-754X
3	On Bi-bi ideals of Bi-Near rings	Advances in Algebra	International	2013	-	ISSN 0973-6964
4	On Quasi-Bi ideals of Bi-Near rings	GJAMMS	International	2013	-	ISSN 0973-5518
5	On Bi-bi-ideals of Bi-Near Subtraction Semigroup	Advances in Algebra	International	2014	-	ISSN 0973-6964
6	On strong bi-ideals and weak k-regular in near subtraction semigroups	IJMM	International	2016	-	ISSN 0974-2883
7	On weak bi-ideals in near subtraction semigroups	IJCR	International	2016	7.086	ISSN 0975-833X
8	On strong B(m,n) in near subtraction semigroups	IJOER	International	2016	4.349	ISSN 2321-7758
9	Structure theorem on B(1,2) bi near-ring	Sohang journal of mathematics	International	2016	1.232	ISSN 2375-2874
10	Characterization of weak Bi-ideals in Bi-near rings	IJIR	International	2016	-	ISSN 2454-1362
11	Bi-ideals and Quasi ideals in Bi-near	Enrich - A Multi Disciplinary	Regional	2017	-	ISSN 2319-6394

	Rings	Research Journal				
<b>12</b>	IFP Ideals in Near Subtraction Semigroups	JETIR	International	2019	5.87	ISSN 2349-5162
<b>13</b>	Characterization of Weak Bi-Ideals in Near Subtraction Semigroups	JETIR	International	2019	5.87	ISSN 2349-5162
<b>14</b>	On Quasi-ideals and K-Regular in Near Subtraction Semigroups	JETIR	International	2019	5.87	ISSN 2349-5162
<b>15</b>	On Generalized (m,n) Bi-ideals in Near Subtraction Semigroups	JETIR	International	2019	5.87	ISSN 2349-5162
<b>16</b>	Structure Theorem for B(1,2) S Near Subtraction Semigroups	JETIR	International	2019	5.87	ISSN 2349-5162
<b>17</b>	Fuzzy Weak Bi-ideals in Near Subtraction Semigroups	JETIR	International	2019	5.87	ISSN 2349-5162
<b>18</b>	Anti Q-fuzzy Bi-ideals in Near-Rings	JETIR	International	2019	5.87	ISSN 2349-5162

## Papers Presented in Conferences / Seminars

S.No	Title of the Paper	Name of the Programme	Date & Venue	Level
<b>1</b>	On Bi-ideals in Near Subtraction Semigroups	A review of the recent trends in lattices and closed sets organized	12.02.2014 Sri Parasakthi College for women, Courtallam	State
<b>2</b>	Fuzzy Strong Bi-Ideals and Regularity in Near-Rings	Conference on “Emerging Trends in Mathematical Strategies”	26.02.2018 Sarah tucker College, Tirunelveli	International
<b>3</b>	Weak Prime Bi-	Conference on “Recent	27 <sup>th</sup> and 28 <sup>th</sup> August	International

	ideals and Weak Prime Fuzzy Bi-ideals in Near-Rings	Advances in Pure and Applied Mathematics”	2019, PG & Research Department of Mathematics, Raja Doraisingam Government Arts College, Sivagangai.	
4	Interval Valued Fuzzy ideals in Near Subtraction Semigroups	Conference on “Recent Advances in Pure and Applied Mathematics”	27 <sup>th</sup> and 28 <sup>th</sup> August 2019, PG & Research Department of Mathematics, Raja Doraisingam Government Arts College, Sivagangai.	International

### **Papers Published in Conferences / Seminars**

S.No	Title of the Paper	Name of the Programme	Date & Venue	Level
1	IFP Ideals in Near Subtraction Semigroups	ICRTMDR - 18	20.12.2018 & 21.12.2018	International
2	Characterization of Weak Bi-Ideals in Near Subtraction Semigroups	ICRTMDR - 18	20.12.2018 & 21.12.2018	International
3	On Quasi-ideals and K-Regular in Near Subtraction Semigroups	ICRTMDR - 18	20.12.2018 & 21.12.2018	International
4	On Generalized (m,n) Bi-ideals in Near Subtraction Semigroups	ICRTMDR - 18	20.12.2018 & 21.12.2018	International
5	Structure Theorem for B(1,2) S Near Subtraction Semigroups	ICRTMDR - 18	20.12.2018 & 21.12.2018	International

## Conferences / Seminars / Workshops Attended

S.No	Name of the Programme	Name of the Venue	Period	Level
1	National conference on “Algebra, Graph theory and its applications”	Manonmaniam Sundaranar University, Tirunelveli.	05.12.2007 to 07.12.2007	National
2	Seminar on “Algebra, Graph Theory and its applications”	Manonmaniam Sundaranar University, Tirunelveli.	04.02.2009 to 06.02.2009	National
3	Seminar on “The unexplored in the view of mathematics”	Sri Parasakthi College for women, Courtallam.	2011	National
4	Seminar on “Question Paper Setting”	IQAC, Sri Parasakthi College for women, Courtallam.	28.02.2011	State
5	Conference on “Quality Enhancement in Teaching and Learning Evaluation Process through Information and Communication on Technology in HEIs”	IQAC, Sri Parasakthi College for women, Courtallam.	28.07.2011 & 29.07.2011	National
6	Seminar on “Applications of Modern Topology”	Sri Parasakthi College for women, Courtallam.	24.01.2012	National
7	Seminar on “Contemporary mathematics”	Sri Parasakthi College for women, Courtallam.	2012	State
8	Seminar on “The Abode of Ram Nabi in Tonight’s environment”	Sri Parasakthi College for women, Courtallam.	19.10.2013	International
9	Seminar on “Quality enhancement in higher education”	IQAC, Sri Parasakthi College for women, Courtallam.	2014	National
10	Seminar on “A Recent Trends in Topology and Graph Theory”	Sri Parasakthi College for women, Courtallam.	07.01.2015	State
11	Seminar on “Quality Assurance Process as Assessment and Accreditation at higher educational Levels”	IQAC, Sri Parasakthi College for women, Courtallam.	28.08.2015	National
12	Seminar on “A Realistic Approach”	Sri Parasakthi College for women, Courtallam.	2016	National
13	Workshop on “Matlab and Latex”	Sri Parasakthi College for women, Courtallam.	23.02.2017 & 24.02.2017	National
14	Seminar on “Transcendental and Net based Problems”	Sri Parasakthi College for women, Courtallam.	27.03.2017	National

<b>15</b>	Workshop on “NET Training Programme”	A.P.C.Mahalaxmi College for Women, Thoothukudi	22.12.2017	State
<b>16</b>	Conference on “Emerging Trends in Mathematical Strategies”	Sarah tucker College, Tirunelveli	26.02.2018	International
<b>17</b>	Two day International Conference on Recent Trends in Multi- Disciplinary Research(ICRTMDR-18)	A.P. C Mahalaxmi College for Women, Thoothukudi	20.12.2018 &21.12.2018	International
<b>18</b>	Seminar on “The Role of Faculty in Institutional Development”	IQAC, V. O. Chidambaram College, Thoothukudi.	17.08.2019	State

### **Academic Positions**

- Recognized as Research Guide in Mathematics of Manonmaniam Sundaranar University.

### **Orientation & Refresher Programme Attended**

<b>S.No</b>	<b>Name of the Programme</b>	<b>Name of Academic Staff College</b>	<b>Period</b>
1	Orientation	Bharathiyar University	13.02.19 to 12.03.19

### **Total Teaching Experience**

U.G.Level : 8 years 7 months

P.G.Level : 8 years 7 months

### **Participation in College Committees:**

- Member of “Fine Arts Association”