Faculty Profile
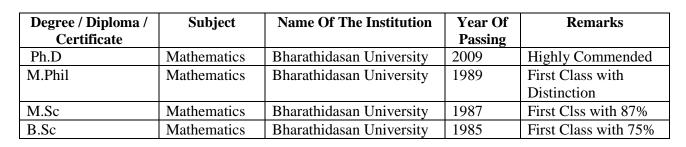

Name   : Dr.R.Anbuselvi

Designation   **:** Associate Professor of Mathematics

Department   : Mathematics

Age & DOB   : 05.03.1965   & 56 yrs

Date of first appointment   : 15.02.1989

Date of joining in govt. service **:** 15.02.1989

Educational Qualification

Degree / Diploma / Certificate	Subject	Name Of The Institution	Year Of Passing	Remarks
Ph.D	Mathematics	Bharathidasan University	2009	Highly Commended
M.Phil	Mathematics	Bharathidasan University	1989	First Class with Distinction
M.Sc	Mathematics	Bharathidasan University	1987	First Clss with 87%
B.Sc	Mathematics	Bharathidasan University	1985	First Class with 75%

Academic/Teaching Experience

S. NO.	INSTITUTION	FROM – TO
1.	A.D.M.College for Women(Autonomous), Nagapattinam	From 15.02.1989 to till date

Area of specialization **:** Number Theory

*Area of Research Interest***:Number Theory**

Research Guidance **:** Guiding M.Sc ,M.Phil& Ph.D Students

Guided 135M.Sc Students

50M.Phil Students and

Ph.D 8 Students

Seminars/Conferences/Workshops Organized

S. NO.	PROGRAMMES	ORGANIZED BY	DATE
1.	**Member**, a two day **NationalSeminar on "Mathematical Modeling to Social and Managerial Problems"**	ADM College, Nagapattinam,	24,25th September2004
2.	**Member,** a Two-day **National Seminar** on **"The Strategic Role ofMathematical and Statistical Models"**in collaboration with CSIR Institute, Jharkhand,	ADM College, Nagapattinam,	4,5th July 2013.

Membership in Academic/Professional Bodies **:**

- ➢ Referee, International Journal of Applied Mathematics and Information Sciences, Egypt.
- ➢ Research advisor, M.Phil& PhD degree programmes, Bharathidasan,University
- ➢ University Representative for Board of Studies, Mathematics Board, SengamalaTayaar Educational Trust, Sundarakkottai.
- ➢ Member – Board of Studies – PG Mathematics, Bharathidasan University, Tiruchirappalli.
- ➢ Member, Doctoral Committee, PhD candidates of various Research Supervisors, Bharathidasan University, Tiruchirapalli.
- ➢ Examiner, PG and M.Phil Mathematics Board, Bharathidasan University, Tiruchirapalli.
- ➢ Member, Question Paper Setter's Board of various Autonomous Colleges. Board of studies Chairman, Mathematics Board, A.D.M.College,Nagapattinam
- ➢ Member, Scrutiny Board,Government College for Men,Kumbakonam.
- ➢ Judge, Inspire Exhibition organized by TamilNadu State Council for Science and Technology, Chennai Conducted by CEO, Nagapattinam at N.D.H.S.School,Nagapattinam,
- ➢ Subject expert, Interview board of nearby Schools and Colleges.

Campus Leadership :

- Coordinator NSS   1989 – 1991
- Coordinator Alumnae   1996 – 2013
- UGC Scholarship   2009 – 2017
- Coordinator-General(Triennial) Inspection Commission 2012 and 2015
- Quiz Club   2013 – 2017
- Autonomous Coordinator - Extension of Autonomous Status 3rd Cycle, 2015
- NAAC Coordinator – 3rd Cycle , 2016
- Vice Principal, 2017-2020
- Ambassador, PARAMARSH scheme 2018
- Principal i/c – 2020 till date

Seminars/Conferences/Workshops Attended

S.NO.	PROGRAMMES	ORGANIZED BY	DATE
1.	*Regional Seminar on "A*lgebra andNumber Theory"	Department of Mathematics, SrimatiIndhra Gandhi College	26.09.15, Trichy.
2.	Participated in a one day seminar on "Mathematical Modelling "	T.B.M.L.College	22ndMarch1997
3.	Participated in the UGC sponsoredseminar on "Contemporary Issues in Human Rights"	A.D.M.College for Women, Nagapattinam	September 10 & 11, 2004.
4.	Participated in a Two day State level Workshop on "Women's Education for Equality and Empowerment "		3-4thMarch2006.
5.	Participated in a Workshop on"Educational Technology and E- content Development"	A.D.M.College for Women, Nagapattinam	20-12-2006& 21.12.2006.
6.	Participated in the UGC Sponsored Regional workshop on "Strategies and Techniques of Teaching Communication Skills to the Rural Learners"	A.D.M.College,Nagapattinam.	23rdand 24thJuly 2007
7.	A UGC sponsored National Seminar on "Remote sensing and Digital Image processing"**.**	A.D.M.College,Nagapattinam.	3,4th July2009

8.	A National seminar on Applications of Algebra and Number Theory.	NationalCollege, Trichy.	December 4-5, 2009
9.	National Seminar on " Renewable Energy – an Amazing Resource" sponsored by UGC and organized by the Department of Physics.	A.D.M.College for Women, Nagapattinam.	20,21st January 2011.
10.	National Conference on Green Chemistry and its Global Perspectives sponsored by UGC and CRSI organized by the Department of Chemistry.	A.D.M.College, Nagapattinam.	8th& 9th March 2013
11.	National Seminar on The Strategic Role of Mathematical and Statistical Models sponsored by UGC and Central Institute of Mining and Fuel Research, (CSIR), Jharkhand organized by the Department of Mathematics.	A.D.M.College for Women, Nagapattinam.	4th& 5th July, 2013.
12.	CSI & ISTE Sponsored National Conference organized by the Departmentof Research & Development	E.G.S.Pillai Engineering College, Nagapattinam	28th September2013.
13.	Participated in the UGC sponsored National Seminar on "EnvironmentalConcerns reflected in Indian Writing in English"	atA.D.M.College for Women,Nagapattinam.	10th and 11thApril 2014
14.	International conference on "Advancesin Engineering, Science and Management" organized by the Department of Research & Development.	E.G.S.Pillai Engineering College,Nagapattinam.	08,09thMay2015.

15.	Regional Seminar on "Algebra andNumber Theory"organized by the Department of Mathematics,	SrimatiIndhra Gandhi College,Trichy.	26.09.2015,

Orientation/Refresher Courses

S. NO.	PROGRAMMES	THEME	ORGANIZED BY	YEAR
1.	Refresher Courses	-	Academic Staff College, Bharathidasan University, Tiruchirappalli	1994
2	Orientation Courses	-	Academic Staff College, Bharathidasan University, Tiruchirappalli	1997
3	Refresher Courses	-	Academic Staff College, Pondicherry University, Pondicherry	2000
4	Refresher Courses	-	Academic Staff College, Bharathidasan University, Tiruchirappalli	2002

Papers Presentation

S. NO.	NAME OF THE PAPER	ORGANIZED BY	DATE
1	A Special Pythagorean Triangle in the national level seminar on Recent Trend.	Research in Mathematics and its Application at A.V.V.M. Sri Pushpam College, Poondi	Feb.1 & Feb.2,2004.
2	"On Ternary Quadratic Homogeneous Diophantine Equation $X^2 \square PXY \square Y^2 \square Z^2$ " in the UGC Sponsored national level seminar on Mathematical Modelling to Social and Managerial Problems	A.D.M.College for Women, Nagapattinam	September 24 & 25,2004.
3	Presented a paper entitled "Integral Solutions of $X^2 \square PXY \square Y^2 \square 4N$ " in the State level seminar on Stochastic Processes and its Applications.	A.V.V.M. Sri Pushpam College, Poondi	Mar.16 & 17,2006
4	Presented a paper entitled "Integral Solutions of Ternary Cubic Diophantine Equation $X^2 \square Y^2 \square 4N \square ZXY$ " in the	Shrimati Indira Gandhi College, Trichy	23rd& 24thFebruary 2007.

	national level seminar on Emerging Trends of Mathematical Techniques and their applications in Computer Science.		
5	Presented a paper entitled "On the System of equations $XY \Box\Box^2\Box, 2X \Box Y \Box\Box XY \Box\Box^2$" in the national conference on Applications of Mathematics.	Periyar E.V.R. College, Trichy	March 22-23, 2007.
6	Presented a paper entitled "Integral Solutions of $X^2 \Box XY \Box Y^2 \Box Z \Box X \Box Y \Box$ "in the national seminar on Intellectual Perspectives of Mathematics	5. Cauvery College for Women, Trichy.	5^{th}April 2007
7	Presented a paper entitled "Integral Solutions of Ternary Quadratic equation $x^2 \Box 3xy \Box y^2 \Box z^4$ in the International Conference on Number Theory and Modular Forms	Sastra University, Kumbakonam.	20-22 December 2008
8	Presented a paper entitled "Integral Solutions of $x^3 \Box y^3 \Box\Box x \Box y \Box^4$ in the national level seminar on Applications of Algebra and Number Theory.	National College,Trichy.	December 4-5, 2009
9	Presented a paper entitled "On Sedan Sets" in the UGC Sponsored national level seminar on "The Strategic Role of Mathematical and Statistical Models"	A.D.M.College for Women, Nagapattinam	$04,05^{th}$July 2013.
10	Presented a paper entitled Ranking Fuzzy numbers with Maximum and Minimum sets on "CSI & ISTE Sponsored National Conference organized by the Department of Research & Development".	E.G.S.Pillai Engineering College, Nagapattinam	28^{th}September 2013
11	Presented a paper entitled On the ternary quadratic Diophantine equation $4x^2 \Box 5\Box y^2 \Box 21 \Box z^2$ in the "Regional Seminar on Algebra and Number Theory organized by the Department of Mathematics" .	Srimati Indhra Gandhi College, Trichy.	26.09.15

Papers Publications

S.No	Article	Name of the Journal	Year
1.	A Special Pythagorean Triangle	Acta Ciencia Indica, Vol.XXXI M, No.1,	2005
2.	A Remarkable observation on $x^2+xy+y^2=N$	Acta CienciaIndica, Vol.XXXI M, No.4	2005
3.	On Ternary Quadratic Homogeneous Diophantine Equation $x^2+pxy+y^2=z^2$	Bulletin of Pure and Applied Science, Vol.24E, No.2	2005.
4.	On the system of equations $xy = \alpha^2$, $2(x+y)+xy=\beta^2$	, Bulletin of Pure and Applied Sciences, Vol.25E.No.2	2006
5.	Integral solutions of $x^2\pm xy+y^2=(x-my)^4$	Acta Ciencia Indica, Vol.XXXII,	2006
6.	Integral Solutions of $x^2+pxy+y^2=4N$,	Proceedings of the National .Academic .Science India Vol.77(A), III	2007
7.	On the Diophantine equation $x^2+bxy+cy^2=1$	Acta Ciencia Indica, Vol.XXXIII.M.No.4,	2007
8.	Integral Solutions of $a(x^2-kx+1)-b(y^2-ky+1)=0$,	Impact of Science Technology Vol.No.2,pp.35 – 40	2007.
9.	Integral solutions of ternary cubic Diophantine equations $x^2+y^2+4N = zxy$	Pure and Applied Mathematics Sciences, Vol.1, LXVII.No.1-2	2008
10.	Integral solutions of ternary quartic Diophantine equation $x^2+y^2=z^4$,	Acta Criencia Indica Vol.XX XIV M, No.1	2008.
11.	Integral solutions of $4\alpha y^2-(\alpha-1)x^2=3\alpha+1$	Acta Ciencia Indica, Vol.X XXIV M, No.1	2008.
12.	Integral solutions of $X^2-Y^2=(X-MY)^4$	pure and Applied Mathematika Sciences, Vol.LXVIII, No. 1 -2,	2008.
13.	Integral Solutions of $x^3+y^3 =(x-y)^4$	Reflections des ERA Journal of Mathematical Sciences,	
14.	A Remarkable Pythagorean Triangle	Acta Ciencia Indica, Vol.XXXV M, No.1	2009

15.	Integral Solutions of ternery cubic Diophantine equation $x^2+y^2-4N = zxy$, Impact.	Journal of Science and Technology.	
16.	Integral Solutions of Binary Quadratic Diophantine Equation $x^2+pxy+y^2=N$,	The Science, Volume 3, Issue 6, ISSN (e) : 2319 – 1813.	June 2014
17.	On the ternary quadratic Diophantine equation $(2k+2)(x^2+y^{2)}-(4k-1)xy=8(k+1)z^2$	Indian Journal of Applied Research Volume 5, Issue 7, ISSN : 2249 – 55X Impact factor : 3.6241	July 2015
18.	On the ternary quadratic Diophantine equation $3(x^2+y^{2)}-5xy=11z^2$	The International Journal of Engineering and Science Volume 4, Issue 7, Pages 26 -30,ISSN(e) : 2319 – 1813.	July 2015
19.	"On Ternary Quadratic Equation, $5x^2-2y^2=3z^{2}$"	International Journal of Applied Research (IJAR), 1(11), Page 179-181. Impact factor: 5.2 UGC approved journal.	September 2015
20.	On the Non-Homogeneous Ternary Quadratic Equation, $x^2+xy+y^2=12z^{2}$",	International Journal of Scientific Research (IOSR), 1(12), Page 75-77, . Impact factor:1.759.	January-February 2016
21.	"On the Ternary Quadratic Equation, $x^2+3xy+y^2=z^{4}$"	Indian Journal of Research (Paripex), 3(5), Impact factor: 5.215, IC Value: 77.65, UGC approved journal	March 2016.
22.	"Integral Solutions of the Ternary Cubic Diophantine Equation $5(x^2 + y^2) – 9xy + x + y + 1 = 28z^{3}$",	International Education and Research Journal (IERJ), 11(2), Page 8-10. Impact factor:3.563**UGC** approved journal.	November 2016
23.	"Integral Solutions of the Homogeneous Ternary Quadratic Diophantine Equation $z^2 = 21x^2+y^{2}$", Impact factor 3.508, IC value 78.46, UGC approved journal.	International Journal and Scientific Research, 12(5), Page: 695-698,	December 2016,
24.	"Integral Solutions of the Ternary Quadratic Diophantine Equation $2y^2+xy=4z^{2}$"	Indian Journal of Research (Paripex), 5(6), Page 629-632, Impact factor: 5.761, IC Value: 79.96, UGC	May 2017.

25.	"On the Ternary Cubic Equation With Four Unknowns $x^3 + y^3 = 24zw^2$"	Global Journal for Research Analysis(GJRA), 11(6), Page 276-280, Impact Factor: 4.547, IC value: 80.26, UGC approved journal.	November 2017
26.	On Homogeneous Ternary Quadratic Diophantine Equation $z^2 = 45x^2 + y^2$", Int.	Journal of Engineering Research and Applications (IJERA), 11(7), value: 80.85, UGC approved journal.	November 2017
27.	"On non-homogeneous Sextic equation with five unknowns $(2x+2y)(2x^3-2y^3)=32(2z^2-2w^2)T^4$"	International Journal of Research in Advent Technology(IJRAT), 3(6), March 2018, Impact factor – 5.153, UGC Approved Journal	
28.	"On non-homogeneous Sextic equation with five unknowns $2(x+y)(x^3-y^3)=31(z^2-w^2)T^4$",	International Journal of Current Advanced Research (IJCAR), 7(5), ISSN No: O:2319-6475, ISSN : P:2319-6505, Impact factor – 6.614, UGC Approved Journal.	May 2018
29.	"On the homogeneous Bi-quardratic equation with five unknowns $x^4-y^4=26(2z^2-2w^2)T^2$"	Indian Journal of Research – Paripex , Volume -7, Issue-5, ISSN No:1991, Impact factor – 6.761, IC Value -86.18, UGC Approved Journal.	May 2018,
30.	On the Heptic Diophantine Equation with three unknowns $7(x^2+y^2)-13xy=28z^7$",	International Journal of Engineering Research and Application (IJERA) , Volume -8, Issue-5(IV), ISSN No:2248-9622, UGC Approved Journal.	May 2018
31.	On the Cubic equation with four unknowns $2(x^3+y^3)=57(k^2+35^2)zw^2$,	International Journal of Research in Engineering Application and Management (IJREAM), ISSN: 2454-9150,Vol-04, issue-05,	Aug-2018
32.	"Observation on the Bi-Quadratic equation $xy+(k^2+1)z^2 = 17w^4$,	International Journal of Analytical and experimental modal analysis, ISSN: 0886-9367, Vol-XII, Issue I,	January 2020.
33.	On ternary cubic equation with four unknowns $3x^3+3y^3 = 38zw^2$,	Journal of information and computational science, ISSN: 1548-7741, Vol-10, Issue 3	January 2020

34.	The research paper entitled " Integral solutions of Ternary Quadratic Diophantine Equation $11x^2-3y^2=8z^2$ "has published in	Journal of " International Journal of Advanced Research in Education and Technology(IJARET)",Volume 3, Issue 1, Ver. I e-ISSN: 2394-2975, p-ISSN: 2394-6814,Impact Factor : 3.6241	Jan – Mar 2016
35.	The research paper entitled " Integral solutions of Ternary Quadratic Diophantine equation $x^2+xy+y^2=7z^2$ "	Global journal for Research Analysis (GJRA) ",UGC Approved journal : 49177 , Volume 5, Issue 3, ISSN: 2277-8160,Impact Factor : 3.62	March 2016,
36.	The research paper entitled " Integral Solutions of Ternary Quadratic Diophantine equation $7(x^2+y^2)-13xy=27z^2$ "	Journal of Mathematics(IOSR-JM)",Volume 12, Issue 4 ,Ver.IV PP 05- 09 . e-ISSN: 2278-5728, p-ISSN: 2319-765X,Impact factor: 1.759	July-Aug 2016
37.	The research paper entitled "Integral solutions of Ternary Cubic Diophantine equation $8\alpha^2-5\beta^2 = 3\gamma^3$	journal of "International Journal of Innovative Research in Computer and Communication Engineering", Volume 4, Issue 12, p-ISSN: 2320-9798, e-ISSN:2320-9801,Impact Factor : 6.577	December 2016
38.	The research paper entitled "Integral Solutions of Ternary Cubic Diophantine equation $x^2-xy+y^2 = 4z^3$ "	journal of "PARIPEX-Indian Journal of Research ", UGC Approved journal : 47432 , Volume 6, Issue 3, ISSN: 2250-1991,Impact Factor : 5.761 (SJIF-2016)	March 2017
39.	The research paper entitled "Integral solutions of Homogenous Biquadratic Diophantine Equation $x^4 - y^4 = 40\,(z + w)p^3$ with five unknowns "	journal of " International Journal of Emerging Technology and Advanced Engineering" (IJETAE)", UGC Approved Journal : 44256,Volume 7, Issue 8, ISSN: 2250-2459,Impact Factor : 4.027	August 2017
40.	The research paper entitled "Integral solutions of Non-Homogenous Biquadratic Diophantine equation $x^4 - y^4 = 34(z + w)p^2$ with five unknowns "	journal of " International Journal of Engineering Science Invention (IJESI) ", UGC approved Journal : 43302,Volume 6, Issue 9, p-ISSN: 2319-6726, e-ISSN: 2319-6734, Impact Factor : 4.027	September 2017
41.	The research paper entitled "Integral solutions of Quadratic	journal of " International Journal of Engineering Research and	September 2017

	Diophantine equation $10w^2 - x^2 - y^2 + z^2 = t^2$ with five unknowns	Development (IJERD) ", UGC approved Journal : 48012,Volume 13, Issue 9, p-ISSN: 2278-800X, e-ISSN: 2278-067X, Impact Factor : 4.027	
42.	The research paper entitled " Integral solutions of Cubic Diophantine equation with four unknowns $x^3 + y^3 = 16(k^2 + 3s^2)zw^2$"	journal of "International Journal of Current Advanced Research (IJCAR)", UGC approved Journal : 43892, Volume 6, Issue 12, p-ISSN:2319-6505 e-ISSN:2319-6475,Pp:7937-7939	December 2017
43.	The research paper entitled "Integral solutions of binary Quadratic Diophantine equation $x^2 - 3xy + y^2 + 12x = 0$"	journal of " International Journal of Engineering Sciences & Research Technology (IJESRT) " , Volume 07, Issue 02, p-ISSN:2277-9655.Impact factor : 5.164	February 2018,
44.	The research paper entitled "Integral Solutions of Cubic Diophantine equation $x^3 + y^3 = 62zw^2$ with four unknowns "	journal of " International Journal for Research in Engineering Application & Management (IJREAM) ", Volume 04, Issue 08,	November 2018
45.	The research paper entitled " Integral solutions of Quadratic Diophantine equation $4w^2 - x^2 - y^2 + z^2 = 16t^2$ with five unknowns "	journal of " International Journal of Research in Advent Technology (IJRAT) " , Volume 6, No 11, e-ISSN: 2321-9637	November 2018
46.	Integral Points on the Hyperbola $3x^2 - 4y^2 = 3$"has published in	International Journal of Engineering Research and Application(IJERA)", ISSN: 2248-9622(online), Volume 7, Issue 12,(part-2) Page 59-61. Impact Factor 5.179, IC Value 5.09, UGC Approved Journal	December 2017
47.	Integral Points on the Homogeneous Cone $4x^2 + 5y^2 = 189z^2$"	"International Journal for Research in Engineering Application & Management (IJREAM)", Volume 4, Issue 12, Page 233-235, ISSN: 2454-9150, Impact Factor 5.834, UGC Approved Journal.	March 2019
48.	Non Homogeneous Cubic Equation With Three Unknowns $6(x^2 + y^2) - 11xy + 3(x + y) + 9 = 192z^2$"	Journal of Emerging Technologies and Innovative Research (JETIR)", Volume 6, Issue 5, Page 555-558, ISSN: 2349-5162. Impact Factor	May 2019

		5.87, UGC Approved Journal.	
49.	On The Cubic Equation With Four Unknowns $x^3 + 25z^3 = y^3 + 25w^3 + 21(x - y)^3$"	International Journal of Research in Advent Technology(IJRAT)", Volume 7,No. 5, Page 507-512, ISSN: 2321-9637(online). Impact Factor 5.153.	May 2019
50.	On the non-homogeneous sextic equation with five unknowns $6(x + y)(x^3 - y^3) = 147(z^2 - w^2)P^4$"	The International Journal of Analytical and Experimental Model Analysis", Volume XII, Issue I, Page 659-665, ISSN: 0886-9367. Impact Factor 6.3, UGC-CARE Approved Group II Journal.	January 2020
51.	Homogeneous Bi-quadratic Equation With Five Unknowns $x^4 - y^4 = 122(z^2 - w^2)T^2$"	"Journal of Information and Computational Science", Volume 9, Issue 12, Page 564-570, ISSN: 1548-7741, UGC-CARE Approved Group II Journal.	Dec 2019
52.	Homogeneous Bi-Quadratic Equation With Four Unknowns $(x + y)(x^3 + y^3) = 124z^2w^2$"	Journal of Xidian University", Volume 14, Issue 4, Page 753-759,ISSN: 1001-2400, UGC-CARE Approved Group II Journal(Scopus).	Apr 2020
53.	On The Non-Homogeneous Ternary Quintic Equation $x^2 - xy + y^2 = 103z^5$"	"Aegaeum Journal", Volume 8, Issue 4, Page 2268-2272, ISSN: 0776-3808, Impact factor 6.1, UGC-CARE Approved Group II Journal.	Apr 2020,
54.	Observations On The Quintic Equation With Five Unknowns $x^4 - y^4 = 101(z^2 - w^2)p^3$"	"Journal of Interdisciplinary Cycle Research" Volume XII, Issue V, Page 168-172, ISSN NO: 0022-1945, UGC-CARE Approved Group II Journal.	May 2020
55.	Applications of Diophantine Equations in Chemical Equations"	"Alochana Chakra Journal" Volume IX, Issue V, Page 1969-1973, ISSN: 2231-3990, Impact factor 6.3, UGC-CARE Approved Group I Journal**.**	May 2020
56.	On the non-homogeneous Heptic Equation with Five Unknowns $(x^3 - y^3) - (x^2 + y^2) + z^3 - w^3 = 2 + 99(x - y)(z - w)^2P^4$"	journal "Infokara Research" UGC-CARE Approved Group II Journal.	

57.	Integral solutions of the Octic Equation with Five Unknowns $(x-y)(x^3+y^3)=84(w^2-p^2)T^6$"	journal "Science, Technology and Development Multidisciplinary Journal" UGC-CARE Approved Group II Journal.	
58.	On Homogeneous Ternary Quadratic Diophantine equation $z^2=15x^2+y^2$"	IOSR Journal of Mathematics(IOSR-JM), Volume 12, Issue 1,Ver.III PP 78-82, e-ISSN: 2278-5728, p-ISSN: 2319-765X, Impact factor: 1.759.	Jan-Feb 2016
59.	Quadratic Diophantine Equations with Four Unknowns $(x^2-y^2)^2+(z^2-8)^2=w^4$"	Indian Journal of Research (PIJAR) Volume 5, Issue 3, ,PP 456-458, e-ISSN: 2250-1991 , Impact factor: 5.215,IC Value:77.65-UGC Approved Journal	March 2016
60.	On Homogeneous Ternary Quadratic Diophantine equation $z^2=47x^2+y^2$"	International Education and Research journal(IERJ) . Volume 3, Issue 1 ,PP 127-129, E-ISSN: 2454-9916, Impact factor: 3.563	Jan 2017
61.	On the Homogeneous Bi-Quadratic equation with Five Unknowns $x^4-y^4=37(z^2-w^2)T^2$"	International Journal of Science and Research (IJSR)".Volume 6, Issue 9, PP 201-205, ISSN(Online): 2319-7064, Impact factor: 6.391, IC Value:78.96- UGC Approved Journal	Sep 2017
62.	On the Homogeneous Bi-Quadratic equation with Five Unknowns $x^4-y^4=37(z^2-w^2)T^2$"	International Journal of Science and Research (IJSR)".Volume 6, Issue 9, PP 201-205, ISSN(Online): 2319-7064, Impact factor: 6.391, IC Value:78.96- UGC Approved Journal	Sep 2017
63.	On the Cubic Diophantine Equation with five unknowns $x^3+y^3+(x+y)(x-y)^2=32(z+w)\mathbf{p^2}$	International Journal Of Mathematics Trends and Technology (IJMTT). Volume58, No 4, PP 221-225, ISSN 2231-5373.	June 2018
64.	On the homogeneous Bi-quadratic Diophantine Equation with five unknowns $[2k(x^2+y^2)-(4k-1)xy](x^2-y^2)=8k(z^2-w^2)T^2$"	International Journal for Research in Engineering Applications & Management (IJREAM). Volume 4, Issue 5, PP 521-525, E-ISSN: 2454-9150, Impact factor: 5.684- UGC Approved Journal	Aug 2018
65.	On the Bi-quadratic Equations with five unknowns $(x-y)(x^3+y^3)=(1+12k^2)(X^2-Y^2)w^2$	International Journal of Research in Advent Technology" (IJRAT), Vol. 6, No 9, E-ISSN 2321-9637- UGC Approved Journal**.**	September 2018

66.	On the non-homogeneous Sextic Equation with six unknowns $x^6-y^6-2z^3=10^{2n}T^{2m}(w^2-p^2)$ "	International Journal of Scientific Research and Reviews" (IJSRR), 7(4), Pp 112-118, ISSN 2279-0543-UGC Approved Journal	Oct-Dec 2018
67.	Integral solutions of non-homogeneous Heptic equation with Five unknowns $x^3-y^3-(x^2+y^2)+z^3-w^3=2+31p^7$"	International Journal of Research and Analytical Reviews (IJRAR), Volume 6, Issue 1, E-ISSN 2348-1269, P-ISSN 2349-5138.	February 2019
68.	The research paper entitled "On the ternary Quadratic Equations $x^2+4y^2=40z^2$"	Global Journal of Applied Research, Vol. 5 issue 8 No.51 ISSN 2277-8160	August 2016
69.	The research paper entitled "On the ternary Quadratic Equations $2y^2+xy=4z^2$"	Indian Journal of Applied Research, Vol. 6 issue 9 No.51 ISSN 2249-555X	September 2016
70.	The research paper entitled has published in the"International journal of scientific research Engineering and Technology (IJSRET) " Vol. 6 issue ISSN 2278-0882	International journal of scientific research Engineering and Technology (IJSRET) " Vol. 6 issue ISSN 2278-0882	10 October 2017
71.	The research paper "On the cubic Equations with four unknowns $3x^2+3y^2-2xy=24z^2$"	International journal of *Engineering*, Research and Applications (IJERA)" Vol. 7 issue 10(Part6) pp 01-03 ISSN 2248-9622	October 2017
72.	The research paper entitled On the ternary cubic Diophantine Equations x3 + y3 = 2(z + w)2 (z – w)On with four unknowns " $2x^3+8z^3=2y^3+8w3+12(x-y)^3$	journal of " International journal of scientific research Engineering and Technology (IJSRET) " Vol. 7 issue 11(Part1) pp 01-06 ISSN 2248-9622	November 2017
73.	The research paper entitled "On the cubic Equations with four unknowns $x^2+y^2-xy=3z^2$" is published in the reputed	journal "International Education and Research journal of Engineering, Research and Applications (IERJ) " Vol. 3 issue 1 pp 01-03 E-ISSN 2454-9916	January2017
74.	The research paper entitled "On the Biquadratic Equations with four unknowns $x^4-y^4=10(z+w)p^2$" is	International journal of Emerging Technologies in computational and Applied Sciences" 25(1), –pp 13-16 E-ISSN 2279-0055	June August, 2018

	published in the reputed journal "		
75.	The research paper entitled "On the Biquadratic Equations with five unknowns $x^4 - y^4 = 2(z+w)p^2$" is published in the reputed journal "	Journal of Applied Science and Computations " Vol. 5 issue 8 p 388-390 ISSN 1076-5131	August 2018
76.	The research paper entitled "On the Biquadratic Equations with five unknowns $x^4 - y^4 = (k^2 + 9)(z^2 - w^2)$ "	Journal of Applied Science and Computations " Vol. 5 issue 10 pp 1385 ISSN 1076-5131	October 2018
77.	Application of Diophantine Equations in Chemical Equations, Vol.6 issue 6, (ISSN – 2349 – 5162) June 2019.	Application of Diophantine Equations in Chemical Equations, Vol.6 issue 6, (ISSN – 2349 – 5162)	June 2019.
78.	Application of Higher Degree Diophantine Equations in Back tracking method of artificial intelligence,	international journal of analytical and experimental modal analysis, ISSN No : 0886 – 9367.	
79.	Usage of Applications of Diophantine Equations in Chemistry and Computer Science in the Real World Problem,	Journal of Information and Computer Science, Volume No 10, Issue 7 – 20, ISSN : 1548 – 7741, Page No 201 – 208	
80.	Application of Diophantine Equations on Artificial	Intelligence in Computer Science, Alochana Chakra Journal, ISSN No : 2231 - 3990	
81.	On Ternary Quadratic Equation $7x^2 - 3y^2 = z^2$ Paripex–	Indian Journal of Research –(IJR) ISSN: 2250-1991, 2016.	
82.	Integral Solutions of the Ternary Quadratic Equation $5(x^2+y^2)-9xy = (k^2+19)z^2$	Asia Pacific Journal of Research ISSN: 2320-5504,	2016
83.	On Ternary Quadratic Diophantine equation $6(x^2+y^2)-11xy = 23z^2$	Asia Pacific Journal of Research ISSN: 2320-5504, 2017	
84.	Observations On the Ternary Cubic Diophantine Equation $x^2+y^2-xy = 52z^3$,	International Journal of Scientific Development and Research ISSN: 2455-2631,	2018
85.	Observations On the Homogeneous Biquadratic	International Journal For Research in Engineering Application &	

	Equation with Four Unknowns $x^4+y^4+y^4 = 288w^4$	Management ISSN : 2454-9150,2018	
86.	Integer Solutions of non-homogeneous Quintic Equation $4(x^4-y^4) = 50(z^2-w^2)m^3$	International Journal of Innovative Research in Engineering &Multidisciplinary Present-day Sciences ISSN : 2349-7300, 2019	
87.	Integral Solutions of non-homogeneous Ternary Cubic Equation $[2(x+y)]^2-15xy = 64z^{3,}$	International Journal of Innovative Research in Science, Engineering and Technology ISSN : 2347-6710, 2019	
88.	Research Article on the non-homogeneous Heptic Equation with Five Unknowns $(x^3-y^3)-(x^2+y^2)+z^3-w^3 = 2+11(x-y)(z-w)^2p^4$	Journal of Emerging Technologies and Innovative Research ISSN: 2349-5162 , 2019	
89.	Article on the non-homogeneous Sextic Equation with Five Unknowns $3(x^3+y^3)(x-y) = 103(z^2-w^2)T^{4,}$	International Journal of Advanced Scientific Research and Management ISSN:2455-6378, 2019	
90.	On Ternary Quadratic Equaion $11(x^2+3y^2) = 14z^2$	Indian Journal of Research – Paripex (IJR) ", volume 5, Issue 2, , pg 321 – 324, ISSN : 2250 – 1991. Impact Factor 5.215, IC Value 77.65, UGC Approved Journal	feb 2016
91.	R.Anbuselvi, K.Kannaki " On Cubic Diophantine Equation $3(x^2+y^2)-5xy+x+y+1 = 15 z^3$	International Journal of Scientific Research (IJSR)", Volume 5, Issue 9, , Pg 369 – 375, ISSN : 2277 – 8179. Impact Factor 3.508, IC Value 69.48. UGC Approved Journal.	Sep 2016
92.	On Ternary Quadratic Diophantine Equation 7 $(x^2+y^2)-13xy+x+y+1=31z^2$	IERJ International Education & Research Journal ", Volume 3, Issue 2, Pg 64 69, E- ISSN : 2454 – 9916. Impact Factor 4.064.	Feb 2017
93.	on the Heptic Diophantine Equations with three unknowns $5(x^2+y^2) – 9xy = 35z^7$"	– Indian Journal of Research (PIJAR)" Volume 6, Issue 5, Pg 622 – 624, E- ISSN : 2250 – 1991. Impact factor : 5.761, IC value : 79.96 – UGC Approved Journal.	May 2017,
94.	On Homogeneous Biquadrate Equations with four unknowns $x^4+y^4+y^4 = 98w^4$	journal " International Global Journal for Research Analysis (GJRA)", volume 6, Issue 10, , Pg 92 – 93, E-	October 2017

		ISSN : 2277 – 8160, Impact factor : 4.547 IC Value 80.26	
95.	On the Heptic Diophantine Equation with three unknowns 5 $(x^2-y^2)-9xy=35z^7$"	International Journal of Recent Scientific Research (IJRSR)", volume9, Issue 4(I), Pg No. 26179 – 26180, ISSN (Online) : 0976 – 3031, UGC Approved Journal.	April 2018,
96.	on the sextic Diophantine equation with three unknowns $x^2-xy+y^2=12z^6$"	" International Journal of Research in Engineering Applications & Managements (IJREAM)", Volume 4, Issue 6, , Pg No. 577 – 579, ISSN (Online) : 2454 – 9150, Impact Factor 5.684 – UGC Approved Journal.	September 2018
97.	On the Homogeneous Bi-Quadratic Equation with five unknowns $x^4+y^4=17(z^2-w^2)R^2$"	International Journal of Research and Analytical Reviews (IJRAR)" Volume 5, Issue 4, Pg No. 888 – 893,E- ISSN (Online) : 2348 – 1269, P – ISSN : 2349 -5138 Impact Factor 5.75 – UGC Approved Journal.	December 2018,
98.	" On the Integral Solutions of the Octic Equation with Five unknowns (x-y) $(x^3+y^3)=12(w^2-p^2)T^6$" has been published in reputed journal "	International Journal of Scientific Research and Reviews" (IJSRR) Volume 8(1), Pg No. 1509 – 1513, P-ISSN : 2279 – 0543 – UGC Approved Journal.	March 2019
99.	On the Cubic Equation with Six Unknowns $x^3+y^3=57(h^2+3p^2)zw^2$"	journal "Global Journal of Research Analysis" (GJRA) Volume8, Issue 4, ,P – ISSN : 2277 -8160 – UGC Approved Journal.	April 2019
100.	On Ternary Quadratic Equation with three unknowns $x^2+xy+y^2=36z^2$	journal "International Journal of Applied Research " (IJAR) Volume 5, Issue 5, Pg No 1-5, E-ISSN (Online) : 2394 – 5869, P – ISSN : 2394 – 7500 – UGC Approved Journal.	April 2019

Any Other–

UGC Sponsored Seminar, FDTP Programs Organized:

❖ Organized a two dayNationalSeminar on "Mathematical Modeling to Social and Managerial Problems" ADM College, Nagapattinam, 24,25th September2004.

- ❖ Organized a Two-day National Seminar on "The Strategic Role of Mathematical and Statistical Models"in collaboration with CSIR Institute, Jharkhand,ADM College, Nagapattinam, 4,5th July 2013.

Academic responsibilities held:

- ❖ Referee, International Journal of Applied Mathematics and Information Sciences, Egypt.
- ❖ Research advisor, M.Phil& PhD degree programmes, Bharathidasan,University
- ❖ University Representative for Board of Studies, Mathematics Board, SengamalaTayaar Educational Trust, Sundarakkottai.
- ❖ Member – Board of Studies – PG Mathematics, Bharathidasan University, Tiruchirappalli.
- ❖ Member, Doctoral Committee, PhD candidates of various Research Supervisors, Bharathidasan University, Tiruchirapalli.
- ❖ Examiner, PG and M.Phil Mathematics Board, Bharathidasan University, Tiruchirapalli.
- ❖ Member, Question Paper Setter's Board of various Autonomous Colleges.
- ❖ Board of studies Chairman, Mathematics Board, A.D.M.College,Nagapattinam
- ❖ Member, Scrutiny Board,Government College for Men,Kumbakonam.
- ❖ Judge, Inspire Exhibition organized by TamilNadu State Council for Science and Technology, Chennai Conducted by CEO, Nagapattinam at N.D.H.S.School,Nagapattinam,
- ❖ Subject expert, Interview board of nearby Schools and Colleges.

Other responsibilities held:

- ❖ N.S.S. Programming Officer(1989-1991)

- ❖ Coordinator –Alumnae Association,1996-2009
- ❖ Coordinator -Quiz Club, 2009-2013

- ❖ Coordinator -UGC Scholarship 2009 - 2017