PERSONAL PROFILE

A. General Information

Name	:	Dr. V.Pandichelvi
Address (Office)	:	Assistant Professor, PG & Research Department of Mathematics, Urumu Dhanalakshmi College, Trichy-620019 Phone No: 0431- 2531966
Designation	:	Assistant Professor
Department	:	Mathematics
Date of Birth	:	09. 04. 1975
Area of Specialization	:	Number Theory

B. Academic Qualifications

Exam. Passed	Board / University	Subjects Year	Division /Grade Merit etc.
Bachelor's Degree(s) B.Sc.,	Madurai Kamaraj University	Mathematics, 1995	87.94%, First Class
Master's Degree(s) M.Sc.,	Madurai Kamaraj University	Mathematics, 1997	94.75%, University First Rank
Research Degree(s) M.Phil.,	Madurai Kamaraj University	Mathematics, 2000	70.60%, First Class
Ph.D.,	Bharathidasan University	Mathematics, 2012	Highly Commended

C. Teaching Experience & Training

Name of the Institution	Designation	Duration
Pannaikadu Veerammal Paramasivam College,Singarakoottai.	Assistant Professor	16.06.2003 to 30.04.2004
Cauvery College for Womem, Annamalai Nagar, Trichy-620018	Assistant Professor	01.07.2004- 20.03.2014
Urumu Dhanalakshmi College,Kattur, Trichy-620019.	Assistant Professor	21.03.2014 to till date

D. Training Programme

Name of the Course	Duration	University
1.Orientation Course	20.05.2014 to 16.06.2014	Bharathidasan University
2. Refresher Course	20.12.2017 to 09.01.2018	Bharathidasan University

E Research contributions

Name of the Course	Total No .of Students Registered	Total No .of Students Completed
M.Phil	26	22
Ph.D	05	01

F. Publications

S.No	Title of the paper	Name of the Journal	Volume Number	Page, Year
1	Two remarkable functions on divisibility	Acta Ciencia Indica	XXXIVM(3)	1161-1165, 2008
2	Integral solutions of $xy + 2(x+y) = x^2 - y^2$	Impact Journal of Science and Technology	2(3)	119-123, 2008
3	Integral solutions ternary quadratic equation $z(x+y) = 4xy$	Acta Ciencia Indica	XXXIVM(3)	1353-1358, 2008

4	On Ternary Quadratic Equation $x^2 + y^2 = z^2 + 1$	Impact Journal of Science and Technology	2(2)	55-58, 2008
5	On ternary quartic Diophantine equation $x^2 + ky^3 = z^4$	Pacific-Asian Journal of Mathematics	2(1-2)	57-62, 2008
6	Integral solutions of Ternary cubic equation $x^2 - xy + y^2 = (k^2 - 2k + 4)z^3$	Pacific-Asian Journal of Mathematics	2(1-2)	91-96, 2008
7	Integral solutions of $xy - 2(x + y) = x^2 - y^2$	Acta Ciencia Indica	XXXV M(1)	17-21, 2009
8	On the extendibility of the diophantine triple involving Jacobsthal numbers $(J_{2n-1}, J_{2n+1} - 3, 2J_{2n} + J_{2n-1} + J_{2n+1} - 3)$	International Journal of Mathematics & Applications	2(1)	1-3, 2009
9	On Transcendental Equation $z = \sqrt[3]{x + y\sqrt{B}} + \sqrt[3]{x - y\sqrt{B}}$	Antarctica J.Maths	6(1)	55-58, 2009
10	Observation on the cubic equation $x^2 - y^2 = z^3 + w^3$	Proceedings of National Conference on Advances in Mathematics: Scientific Development & Engineering Applications	-	31stAugust & 1st September 177-187, 2009
11	Observations on the ternary cubic equation $xy + x + y + 1 = (2a + 1)z^3$	Antarctica Journal of Mathematicss	7(3)	273-278, 2010
12	On the ternary cubic equation $y^2 + gz^2 = (k^2 + g)x^3$	Impact Journal of Science and Technology	4(4)	117-123, 2010
13	Integral solutions quadratic Equation with four unknowns $z(x + y) + w^2 = 4xy$	Archimedes Journal of Mathematics	1(1)	15-21, 2011
14	Observations on the ternary cubic equation $x^3 + y^3 + x^2 - y^2 = 4(z^3 + z^2)$	Archimedes Journal of Mathematics	1(1)	31-37, 2011.
15	Remarkable solutions on the cubic equation with four unknowns $x^3 + y^3 + z^3 = 28(x + y + z)w^2$	Antarctica Journal of Mathematicss	7(4)	393-401, 2010
16	Integral solutions ternary quartic equation $x^2 - y^2 + x + y = 2z^4$	Bulletin of Pure and Applied Sciences	29(E)(1)	143-148, 2010

17	Integral solutions of the non-homogeneous biquadratic equation with six unknowns $x^2 + xy + y^2 = (z+w)(u^3 + v^3)$	International Journal of Mathematical Sciences	9(1-2)	125-129, 2010
18	Integral solutions of quartic equation with four unknowns $x^2 + uy^3 = z^4$	Antarctica Journal of Mathematicss	7 (4)	403-411, 2010
19	On the cubic equation with four unknowns $x^2 - xy + y^2 + k^2 + 2kw = (k^2 + 3)z^3$	Impact Journal of Science and technology	6(1)	81-86, 2012
20	Integral solutions ternary quadratic equation $z(x - y) = 4xy$	Impact Journal of Science and Technology	5	01-06, 2011
21	The non-extendibility of the Diophantine Triple $(4(2m-1)^2 n^2, 4(2m-1)n+1, c)$	Impact Journal of Science and Technology	5	25-28, 2011
22	Construction of the Diophantine triple involving polygonal numbers	Impact Journal of Science and Technology	1	01-11, 2011
23	Ramanujan Type- Diophantine Equation	Bessels J.Mathematics	1(1)	09-15, 2011
24	Observations on the Transcendental Equation $z = \sqrt[2]{x} + \sqrt[3]{kx + y^2}$	Diophantine Journal of Mathematics	1(2)	59-68, 2012
25	An Exclusive Transcendental Equation $z = \sqrt[3]{X^2 + Y^2} + \sqrt[3]{Z^2 + W^2}$	International Journal of Engineering Sciences & Research Technology	2(2)	939-944, 2013
26	On the negative pell equation $y^2 = 54x^2 - 5$	International Journal of Mathematics Trends and Technology	21(1)	16-20, 2015
27	Integral solutions of the binary quadratic equation $2x^2 - 4xy - y^2 + 20x - 2y + 17 = 0$	International Journal of Engineering Sciences and Research Technology	4(7)	1089-1095, 2015
28	On ternary quadratic Diophantine equation $X^2 + Y^2 = 37Z^2$	Scholars Journal of Physics, Mathematics and Statistics	2(4)	341-348, 2015
29	Relation among some polygonal numbers and a cubical integer through the equation $X^2 + Y^2 = Z^3$	Proceedings of Regional level seminar on "Recent trends in Mathematics"	-	26th Septemper 2015
30	Integral solutions of the Binary quadratic equation $12(x + y) + 6xy = 7x^2 - 3y^2$	Jamal Academic Research Journal	-	313-316, 2016

31	Integral solutions of the bi- quartic Diophantine equation $13(x^2 - y^2) + x + y = 128z^4$	Open Journal of Applied and Theoretical Mathematics	2(2)	58-64, 2016
32	Comparison of the lateral surface area of a cube with fascinating numbers	International Journal of Innovative Research in Science, Engineering and Technology	5(6)	9485-9493, 2016
33	Construction of Euler square involving some figurate numbers	International Journal of Multidisciplinary Research and Development	3(6)	40-43, 2016
34	Correlation of cylinder and frustum of the cone with special numbers	International Journal of Multidisciplinary Research and Development	3(7)	241-242, 2016
35	Matrix representation of K-Fibonacci sequence	International Journal of Engineering Science and Computing	6(10)	2981-2985, 2016
36	An innovative approach of evaluating polygonal numbers and octahedral number	International Journal of Development Research	7(5)	12940-12943, 2017
37	Observations on the total surface area of the cuboid and polygonal numbers	International Journal of Engineering and Management Research	7(3)	10-13, 2017
38	The sequence of Diophantine triples involving half companion sequence and pell numbers	International Journal of Resent Scientific Research	8(7)	18482-18484, 2017
39	Deriving recognizable numbers using inverse Z –transforms	International Journal of Information Research and Review	4(7)	4288-4293, 2017
40	General formula for (1-2)-Fibonacci sequence	International Journal of Current Research	9(7)	54609-54611, 2017
41	Formation of triples consist some special numbers with interesting property	International Research Journal of Engineering and Technology	4(7)	2372-2374, 2017
42	Relations among some polygonal numbers and a nasty number of the form six times a perfect square	International Journal of Engineering Research and Application	7(8)	12-15, 2017
43	On the extendibility of the sequences of Diophantine triples into quadruples involving pell numbers	International Journal of Current Advanced Research	6(11)	7197-7202, 2017
44	Evaluation of some centered polygonal numbers by using the division algorithm	Journal of Mathematics and Informatics	10	83-88, 2017
45	Relations among m-gonal numbers through second order Ramanujan equation $X^2 + Y^2 = Z^2 + W^2$	International Journal of Mathematical Archive	9 (4)	15-18, 2018

46	On the bi-quadratic equation with three unknowns $xy + 6(x+y) + 4(x^2 + y^2) + 4 = 176z^4$	Asian Journal of Science and Technology	9(5)	8099-8106, 2018
47	Manifestation of two tremendous sequences Cheldhiya and Cheldhiya companion sequences	International Journal of Research in Advent Technology	Special Issue	175-180 2019
48	Fabrication of Gorgeous integer quadruples	Journal of Engineering computing and Architecture	10(4)	115-123, 2020
49	The Patterns of Diophantine Triples engross Cheldhiya Companion sequence with inspiring property	Adalya Journal	9{4}	399-404 April (2020)
50	Incredible Figurate Numbers with Charming Provision	Adalya Journal	9{4}	520-532 April (2020)

H.   Papers presented in conference

S.No	Title	Conference Title	Venue	National/ International	Date
1	Integral solutions of $z(x+y) = 4xy$	State Level Seminar on Application of Mathematical Sciences	Mahendra Arts & Science College, Salem.	State Level	1st March , 2008
2	Integral Solutions of quartic equation with four unknowns $x^2 + uy^3 = z^4$	International Conference on number Theory and modular forms	Sastra University, Kumbakonam.	International Conference	20th, 21st and 22nd December 2008
3	On the solutions of the bi-quadratic equation $(x^2 - y^2)^2 = (z^2 - 1)^2 + w^4$	UGC Sponsored International Conference on Mathematical Methods and Computations	Jamal Mohamed College, Tiruchirapalli.	International Conference	24th and 25th July 2009
4	Observation on the cubic equation $x^2 - y^2 = z^3 + w^3$	National Conference on Advances in Mathematics:Scientific Development & Engineering Applications	Kunthavai Naachiyar Govt.Arts College for Women, Thanjavur.	National Conference	31st August & 1st September 2009

5	On the ternary cubic equation $y^2 + gz^2 = (k^2 + g)x^3$	National Seminar on Applications of Algebra and Number Theory	National College, Tiruchirapalli.	National Seminar	04th and 05th December, 2009
6	Ramanujan Type-Diophantine Equation	National Level seminar on Graph Theory, Algorithms and modeling	Jamal Mohamed College, Tiruchirapalli.	National Seminar	19th March, 2010
7	Integral solutions of a Bi-quadratic Equation with six unknowns $x^4 - y + (z + w)^4 X^2 = 2Y^2(x^2 - y^2)$	National conference on Recent Advances in Pure and Applied Mathematics	Government Arts College for women, Pudukkottai.	National conference	28th and 29th January, 2011
8	Novel Approach of Existence of solutions to the exponential equation $(3m^2 + 3)^x + (7m^2 + 1)^y = z^2$	International Virtual Conference on Bridging innovative trends in Mathematics, Engineering and Technology	Bannari Amman Institute of Technology, Sathyamangalam	International	18-19, Dec,2020
9	Exploration of solutions for an exponential Diophantine equation $p^x + (p + 1)^y = z^2$	International Virtual Conference on Bridging innovative trends in Mathematics, Engineering and Technology	Bannari Amman Institute of Technology, Sathyamangalam	International	18-19, Dec,2020

I. Seminars, Conferences, Symposia Workshops etc. attended

S. No.	Name of the Seminar / Conference / Symposia Workshop etc.	Name of the sponsoring agency	Place and Date
1	Outcome Based Education-A Drive through	Srinivasan College of Arts & Science	Perambalur 15.05,2020
2	Faculty Development Programme on Learner Autonomy in ESL Classes	Dr.M.G.R. Educational and Research Institute	Chennai 16.05,2020
3	Faculty Development Programme through Google Meet Platform	KPR College of Arts Science and Research	Coimbatore 19.05,2020 to 22.05.2020
4	International Webinar on Awareness and Readiness of COVID- 19	CH.S.D.ST.Theresa's College for women	Rajamahendravaram 26.05. 2020

5	Online Faculty Development Programme on Graph Theory- A research view	Nirmala College for Women	Coimbatore 26.05. 2020
6	Webinar on CSIR/NET/SET Examination in Mathematical Sciences	Urumu Dhanalakshmi College	Trichy 27.05. 2020
7	Webinar on Application of Mathematics	ST Pious X Degree & PG College for Women	Nacharam, Hyderabad 27.05. 2020
8	Webinar on Mathematical Documentation and Computation Using online tools	St.Mary's College	Thoothukudi 28.05,2020 to 29.05.2020
9	Webinar on introduction to Machine Learning	Sacred Heart College	Tirupattur 29.05.2020
10	Online FDP on Project Proposal Preparation for Scientific Research	Nanchil catholic of Atrs and ScienceCollege	Kaliyakkavilai 29.05.2020
11	Webinar on Connections in Engineering Mathematics	Karpagam Institute of Technology	Coimbatore 30.05.2020
12	Webinar on Semi Graphs and Virus Graphs	Cauvery College for Women	Trichy 31.05.2020
13	Webinar on Waste Management Strategies	Hindustan College of Engineering and Technology	Coimbatore 31.05.2020
14	Faculty Development Programme on Transforming Education – the Google Classroom Way	Aachi Institute of Management & Entrepreneurial Development	Chennai 01.06,2020 to 07.06.2020
15	Webinar on Linear Algebra	National College	Trichy 09.06,2020 to 10.06.2020
16	Faculty Development Programme in the Pure and Applied Mathematics	Jamal Mohamed College	Trichy 1711.06,2020 to 17.06.2020
17	Webinar on Application of Mathematics in Various Disciplines	Hindustan College of Engineering and Technology	Coimbatore 16.06.2020
18	Webinar on Inner Product Space	Urumu Dhanalakshmi College	Trichy 06.07. 2020
19	Webinar on Complex Analysis	Urumu Dhanalakshmi College	Trichy 10.07. 2020

20	Short Term Training Programme on MATLAB and Mathematica for Scientific Research	Arul Anandar College (Autonomous)	Karumathur, Madurai 27.07,2020 to 29.07.2020