NEHRU MEMORIAL COLLEGE (AUTONOMOUS)

PUTHANAMPATTI-621007

STAFF PROFILE

NAME OF THE STAFF : **Dr. V. MOHANA SELVI**

DESIGNATION : **Assistant Professor**

DEPARTMENT : **Mathematics**

1. CONTACT

Address : ASSISTANT PROFESSOR

DEPARTMENT OF MATHEMATICS

NEHRU MEMORIAL COLLEGE

PUTHANAMPATTI – 621 007

TIRUCHIRAPPALLI DT., TAMIL NADU

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drmohanaselvi@nmc.ac.in

2. ACADEMIC QUALIFICATIONS

Degree	College/University/Board	Year of Passing/ Awarded
Ph. D.	Mother Teresa Women's University	10 January 2013
M. Phil.	Madurai Kamaraj University	20 October 2003
Master's Degree	Bharathidasan University	26 October 1995
Bachelor's Degree	Bharathidasan University	24 February 1994

3. TEACHING EXPERIENCE

S. No.	Institution	Duration	No. of Years UG	No. of Years PG
1	Nehru Memorial College, Puthanampatti - 621007	18-06-2014 to till date	5 yrs. 9 months	-
2	Jayaram College of Engineering & Technology, Karatampatti-621014	04-01-2011 to 24-04-2014	3 yrs. 3 months	-
3	Nehru Memorial College, Puthanampatti-621007	20-06-2004 to 31-12-2010	6 yrs. 6 months	6 yrs. 6 months

4.   RESEARCH EXPERIENCE (in years)   :   17 years 5 months (UG)
                                                                        6 years 6 months (PG)

5.   AREA OF RESEARCH   : Graph Theory (Broad Area)
                                                         Domination Theory (Specific Area)

6**.   RESEARCH GUIDANCE (In Numbers)

Program of Study		Completed	Ongoing
Research	Ph. D.	BDU-4, BU-2	3
	M. Phil.	27	-

7**.   PUBLICATION(S) (In Numbers)

Journal(s)		Proceeding(s)	
International	National	International	National
35	6	6	7

Cumulative Impact Factor (as per JCR)	129.133 (26 papers)
h-index	1
Total Citations	5

8**.   PRESENTATION(S) (In Numbers)

Events	International	National
Conference(s)	5	18
Seminar(s)	-	4

9**.   PARTICIPATION (In Numbers)

Events	International	National
Conference(s)	2	-
Workshop(s)	-	9
Symposium(s)	-	1
Webinar (s)	1	6

10**.   PROFESSIONAL DEVELOPMENT (In Numbers)

Orientation Programme(s)	Refresher Course(s)	Faculty Development Programme(s)
2	2	10

11.   DISTINCTIVE ACHIEVEMENT(S) / RECOGINITION(S) / AWARD(S)

1. Received RULA AWARD for International Innovation and Betterment Excellence in Technical Research – **Outstanding Scientist in Mathematics** in the year November 2018.
2. Received Appreciation Certificate from International Journal of Mathematics and Soft Computing (IJMSC) for the outstanding service in the Technical Committee as one of the Reviewers during the year 2016.

12. EVENT(S) ORGANIZED

S. No.	Name of the Programme	Role of Responsibility held	Date of the Event
1.	ACEM Meditation Programme	Convener	January 29, 2020
2.	One Day Workshop on Soft Skill	Coordinator	February 15, 2018
3.	An overview on Information Science	Coordinator	February 09, 2018

13. ACADEMIC / ADMINSTRATIVE RESPONSIBILITIES HELD

At Nehru Memorial College, Puthanampatti (From June 2014)

1. Member of MQAC
2. Acting as President of the Mathematics Association
3. Bridge course taken for first year Physics and Chemistry students
4. Remedial Classes were conducted for the failure students in the semester examinations.
5. Coordinate the Inter and Intra Collegiate competitions held under RAMFEST celebrations.
6. Coordinator of College Website Maintenance Team
7. Coordinator of organizing Two Day National workshop on " R Programming" (Sep 25-26, 2015)
8. Question paper setter for Government Arts College, Kumbakonam , Bishop Heber College, Trichy, Holy Cross College and Thiruvalluvar University, Vellore.
9. Member of Internal Quality Assurance Cell (IQAC) from June 2016 onwards.
10. Member of preparing Bench Mark for the NAAC Criterion I – Teaching, Learning and Evaluation.
11. Acted as a Coordinator of Golden Jubilee Alumni Meet- I on November 27, 2016.
12. Chairman of UG board of studies from 2018.
13. Member of Examination Flying Squad from November 2018.
14. Nodal Officer for NIRF from October 2019.

1. SERVED AS A RESOURCE PERSON (INVITED TALKS / GUEST LECTURES)

Guest Lecture [18]

Been a resource person and delivered a guest lecture on

1. **Stratification of Graph Theory in Research Perspective** at P.K.R. Arts College for Women, Gobichettipalayam in Webinar on 6th August 2021.

2. **Taxonomy of Mathematics on Emerging Trends in Technology of Physical Science** at Bon Secours Arts and Science College for Women, Mannargudi in the National Webinar on 19 and 20 April 2021.

3. **Discrete mathematics and its applications** at M. Kumarasamy College of Engineering in National Workshop on March 02, 2018

4. **Discrete mathematics and its applications** at K. Ramakrishna College, Samayapuram, Trichy on November 8, 2017.

5. **Taxonomy of Mathematics** at Holy Cross College in inaugural function of Mathematics Association on July 3, 2017.

6. **Domination theory in graphs** at Urumu Dhanalakshmi College in the seminar on February 22, 2017.

7. **Analytic Function** at S. Kumarasamy College of Engineering, Karur in the Student Development Training Programme on March 16, 2016.

8. **Flavours in Mathematics** at Meenakshi Chandraseker College of Atrs & Science, Thanjavur Main Road, Karambayam, Patukkottai – 614626 on February 15, 2016.

9. **Discrete Mathematics** at K. Ramakrishna College of Engineering, Samayapuram, Trichy in the Student Development Training Programme on September 12, 2015.

10. **Significance of Mathematics** at Jayaram College of Engineering and Technology, Trichy in DST Inspire Internship Science Camp on 1st October 2013

11. **Sequence and Series** at Kongu Nadu College of Engineering and Technology, Thottiyam in the Faculty Development Programme on 10th July 2013.

12. **Real Time Application of Mathematics** at Anna Science Center Planetorium, Trichy in One day workshop on 15th March 2012.

Been a resource person for the

1. Association Function organized by Sri Saradha College for Women, Perambalur-621 113 on August 18, 2018.

2. Anna University Approved Faculty Development Training Programme at Kongunadu College of Engineering and Technology, Thottiam on 18 June 2018.

3. Mathematics Association "Euler Fest 2015" organized by Paavendhar College of Arts & Science, Manivizhundhan South – 636121, Attur Tk., Salem Dt., on September 29, 2015.

4. Guest Lecture programme organized by Department of Mathematics, Srimathi Indira Gandhi College, Trichy -620002 on September 4, 2015.

5. Guest Lecture Programme organized by Dhanalakshmi Srinivasan college of arts & Science for Women, Perambalur – 621212, organized by Department of Mathematics on August 4, 2014.

6. Faculty development training programme (FDTP) organized by Kongunaddu Engineering & Technology, Trichy (DT) – 621215 on July 17,2014.

1. **DETAILS OF MEMBERSHIP**

Editorial Board	1. International Journal – Asia Mathematika
Academic Bodies (Board of studies)	1. UG Board of Study (Chairman) 2. PG Board of Study (Member)
Life Member	1. Academy of Discrete Mathematics and Applications (ADMA) – Membership ID: 56 /2008. 2. Indian Society for Education and Allied Sciences (ISEAS) –Membership ID: ISEASLM128/2014. 3. Indian Mathematical Society (IMS) 4. International Journal for Research Under Literal Access (IJRULA)– Membership ID: RULO002/ Nov. 2018

1. **EXTENSION ACTIVITIES / OUTREACH PROGRAMME**

1. Co-ordinated an extension activity program on 15.03.2016 as a part of Environmental Studies for beautifying our College Campus by Planted various plants in our campus.

2. Co-ordinated an extension activity program on 30.03.2015 as give an awareness in Health, Hygienic and Cancer for Puthanampatti Village people.

17. **DETAILS OF RESEARCH GUIDANCE**

Ph. D.			
S. No.	Name	Title of thesis	Year of award
1	S. SURESH	A study in detour radial graphs, b-radial graphs and detour b-radial graphs	2019
2	K. DEIWAKUMARI	A study on some (1,2) edge domination parameters in graphs	2019
3	P. KAVITHA	A study on some legendary domination parameters in Graphs	2019

4	V. HEMALATHA	A study on some super and radio geometric mean labeling of graphs	2019
5	R. UDHAYA KUMARI	A study on domination parameters and its applications in various fields	Pursuing
6	S. NITHYA	A study on adjacency, incidence and Laplacian matrices of some Roman domination parameters in graphs	Pursuing
7	D. ILAKKIYA	A Study On Some Domination Parameters In Matrix Approach.	Pursuing

M. Phil.			
S. No.	Name	Title of thesis	Year of award
1	E. ELAMATHI	A study on total domination in graphs	2020
2	B. GAYATHRI	A study on domination in graphs	2020
3	S. PORTIA MARY	A study on roman domination in graphs	2020
4	M. RAJESHWARI	A study on neighbourhood connected domination in graphs	2020
5	R. KANNAN	A study on accurate split and non-split domination in graphs	2020
6	R. MATHIALAGAN	A study on inverse split and non-split domination in graphs	2020
7	M. MUTHUKUMAR	A study on detour domination in graphs	2020
8	M. NAGARAJAN	A study on global accurate domination in graphs	2020
9	R.PRAKASH	A study on connected domination in regular graphs	2020
10	G. RAJA	A study on isolated domination in graphs	2020
11	M. RAMALINGAM	A study on independent domination in graphs	2020
12	S. RAMESH	A study on edge domination in connected graphs	2020
13	G. PRAMILA	The Complement Line Roman domination and Complement Line Roman Power Domination Number in Graphs	2018
14	M. NARMATHA	The Neighborhood Roman domination and Neighborhood Roman Power Domination Number in Graphs	2018
15	M. ILAKKIAH	Some locale parameters in neighborhood graphs	2018
16	M. MANOHAR	The neighborhood connected equitable	2018

		and 3 – domination number in graphs	
17	M. SANGEETHA	Some locale parameters in line graphs	2017
18	D. VIDHYA	Some locale parameters in subdivision graphs	2017
19	R. BUVANESHWARI	A study on Double Strong and Double Weak domination in Graphs	2017
20	K. SIVAN	Private domination and Internal Private domination in Graphs	2017
21	M. DURGA DEVI	Split and Non-Split Complement Line Domination in Graphs	2016
22	A. MONISHA	Some Results on Rebellion, Total Rebellion and Independent Rebellion Numbers in Graphs	2016
23	N. REVATHI	The Global, Split and Non-Split Domination in Bipolar Fuzzy Graphs	2016
24	S. GUNASELVI	The Fuzzy Graphs and its Applications	2016
25	S. DHIVYAKANNU	The Complete Complement Domination and Inverse Complete Complement Domination in Graphs	2015
26	P. NANDHINI	The Clique Complement Domination and Clique Neighbourhood Domination in Graphs	2015
27	S. NITHYA	The Global Maximal Domination and Global Maximal Neighbourhood Domination in Graphs	2015

18.   DETAILS OF PUBLICATIONS
   (a)   JOURNAL(S)

S. No.	Name of the author/s	Title of the paper with e-link	National/ International	Name of journal	Volume Page No & Year	ISSN
1.	V. Mohana Selvi R. Udhayakumari	Co – one edge isolated domination in graphs https://drive.google.com/open?id=1hqGzjXfvg5rNXRCSY7Ln3QxzyU230STl	International	Infokara Research	Vol. 9, Issue 2, pp 330-337, February 2020. (IF: 5.3)	ISSN: 1021-9056
2.	V. Mohana Selvi	Perfect edge roman dominating	International	Infokara Research	Vol. 9, Issue 1,	ISSN: 1021-

	S. Nithya	adjacency matrix and its spectrum of some graphs http://infokara.com/gallery/85-jan-3535.pdf			pp 815-829, January 2020 (IF: 5.3)	9056
3.	V. Mohana Selvi M. Suresh	Mean vertex D-distance for radial and detour radial graphs https://aip.scitation.org/doi/pdf/10.1063/1.5112314	National	AIP Conf. Proc. 2112	Vol. 2112, pp 020129-1 − 020129-5, 24 June 2019	978-0-7354-1844-8
4.	V. Mohana Selvi S. Nithya	Roman dominating adjacency matrix and its spectrum of cycle and path graphs http://www.j-asc.com/gallery/220-november-1384.pdf	International	Journal of Applied Science and Computations (JASC)	Vol. 5, Issue 11, pp 1 − 11, Nov. 2018 (IF: 5.8) (UGC Ref. No. : 41238)	ISSN: 1076-5131
5.	V. Hemalatha V. Mohana Selvi	Radio geometric mean number of shadow of star and bistar	International	International Journal for Research in Engineering Application & Management (IJREAM)	Vol-04, Issue-06, pp 531 − 534, Sep. 2018 (UGC Approved No. 64077)	ISSN: 2454-9150,
6.	V. Mohana Selvi P. Kavitha	Legendary Line Domination in L(L(G)) http://www.ijrat.org/	International	International Journal of Research in Advent Technology	Vol.6, No.8, pp 2118 − 2124, August 2018 (IF: 3.76) (UGC Approved No. 48768)	E-ISSN: 2321-9637
7.	V. Mohana Selvi K. A. Kamagnchari K. Amuthaval	The surface domination number in plane graphs	International	International Journal of Research in Advent Technology	Vol.6, No.8, pp 1872 − 1876, August 2018 (IF: 3.76) (UGC Approved	E-ISSN: 2321-9637

	li				No. 48768)	
8.	V. Hemalatha V. Mohana Selvi	Radio geometric mean number of splitting of star and bistar	International	International Journal of Research in Advent Technology	Vol.6, No.7, pp 1696 – 1700 July 2018 (IF: 3.76) (UGC Approved No. 48768)	E-ISSN: 2321-9637
9.	V. Hemalatha V. Mohana Selvi	Radio geometric mean number of some subdivision graphs http://acadpubl.eu/jsi/2017-113-pp/articles/6/40.pdf	International	Inter National Journal of Pure and Applied Mathematics	Vol.113, No. 6, pp 362-374, 2017 (IF: 7.19) (UGC Approved No. 23425)	ISSN(O): 1311-8080; ISSN(P): 1314-3395
10.	V. Mohana Selvi P. Kavitha	Domination of line neighbourhood graphs https://acadpubl.eu/jsi/2017-113-pp/issue5.html	International	International Journal of Pure and Applied Mathematics	Vol.113, No. 13, pp 343-351,2017 (IF: 7.19) (UGC Approved No. 23425)	ISSN(O): 1311-8080; ISSN(P): 1314-3395
11.	V. Mohana Selvi S. Dhivyakannu	The connected complement domination matrix and energy of graphs	International	International Journal of Pure and Applied Mathematics	Vol.113, No. 13, pp 326-333, 2017 (IF: 7.19) (UGC Approved No. 23425)	ISSN(O): 1311-8080; ISSN(P): 1314-3395
12.	V. Mohana Selvi K.Deiwakumari	(1,2)-Edge domination in product related graphs	International	International Journal of Pure and Applied Mathematics	Vol.113, No. 13, pp172 – 179, 2017 (IF: 7.19) (UGC Approved No. 23425)	ISSN(O): 1311-8080; ISSN(P): 1314-3395
13.	V. Mohana Selvi	Twain positive and twain negative edge domination in	International	International Journal of Pure and	Vol.113, No. 13, pp 129-	ISSN(O): 1311-

	S. Sivamani	bipolar fuzzy graphs		Applied Mathematics	137, 2017 (IF: 7.19) (UGC Approved No. 23425)	8080; ISSN(P): 1314-3395
14.	V. Mohana Selvi R.Udhayakumari M.Durka Devi	A study on one edge isolated domination in graphs	International	International Journal of Pure and Applied Mathematics	Vol.113, No. 13, pp 92-99, 2017 (IF: 7.19) (UGC Approved No. 23425)	ISSN(O): 1311-8080; ISSN(P): 1314-3395
15.	V. Mohana Selvi M. Suresh	A study on detour radial graph of cycle graphs, graph permutation and inversion	International	International Journal of Pure and Applied Mathematics	Vol.113, No.13, pp 39-48, May 2017 (IF: 7.19) (UGC Approved No. 23425)	ISSN(O): 1311-8080; ISSN(P): 1314-3395
16.	V. Mohana Selvi P. Shyamala Anto Mary	Accurate rebellion number in graphs https://acadpubl.eu/jsi/2017-113-pp/articles/10/1.pdf	International	International Journal of Pure and Applied Mathematics	Vol.113, No. 13, pp1-9, 2017 (IF: 7.19) (UGC Approved No. 23425)	ISSN(O): 1311-8080; ISSN(P): 1314-3395
17.	V. Hemalatha V. Mohana Selvi	Radio geometric mean labeling of star like graphs http://www.rgnpublications.com/journals/index.php/jims/article/view/1017	International	Journal of Informatics and Mathematical Sciences	Vol. 9, No. 3, PP 969-977, 2017 (Thomas Reuters)	ISSN: 0975-5748(O), 0974-875X(P)
18.	V. Mohana Selvi P. Shyamala AntoMary A. Monisha	A study on total rebellion number in graphs http://www.rgnpublications.com/journals/index.php/jims/article/view/938	International	Journal of Informatics and Mathematical Sciences	Vol. 9, No. 3, PP 765-773, 2017 (Thomas Reuters)	ISSN: 0975-5748(O), 0974-875X(P)

19.	V. Mohana Selvi P. Kavitha M. Durka Devi	The non-split complement line domination in graphs http://www.rgnpublic ations.com/journals/i ndex.php/jims/article /view/761	Internati onal	Journal of Informatics and Mathematical Sciences	Vol. 9, No. 3, PP 557-570, 2017 (Thomas Reuters)	ISSN: 0975-5748(O), 0974-875X(P),
20.	V. Mohanasel vi S. Sivamani N. Revathi	Global Domination in Bipolar Fuzzy Graphs http://www.rgnpublic ations.com/journals/i ndex.php/jims/article /view/946	Internati onal	Journal of Informatics and Mathematical Sciences	Vol. 9, No. 3, pp. 815–825, 2017	ISSN 0975-5748(nlin e); 0974-875X(print)
21.	V. Mohanasel vi P. Nandhini	The Clique Neighbourhood Domination Number in Graphs https://pdfs.semantic scholar.org/94c4/af16 06396a8092d03f61ce 9237a6ad843f38.pdf	Internati onal	International Journal of Engineering Research & Technology (IJERT)	Volume 5, Issue 04 Special Issue – 2017	ISSN: 2278-0181
22.	V. Mohana Selvi P. Shyamala Anto Mary	On independent rebellion number in graphs https://www.research gate.net/publication/ 320007234_On_inde pendent_rebellion_n umber_in_graphs	Internati onal	Asia Life Sciences, The Asian International Journal of Life Science	Suppleme nt 14, No. 1, pp 59-68, March 2017 (Scopus, SCIE)	ISSN: 0117-3376
23.	V. Mohana Selvi S. Sivamani	Twain positive and negative domination in bipolar fuzzy graphs	Internati onal	The Asian International Journal of Life Science	Suppleme nt 14, No.1, pp 43-50, March 2017 (Scopus, SCIE)	ISSN: 0117-3376
24.	V. Mohana Selvi K. Deiwakum ari	(1,2)-edge domination in cycle and path related graphs http://www.transylva nianreviewjournal.or g/index.php/TR/articl	Internati onal	Transylvania n review	Vol. XXIV, No. 10, Special Issue, 2016. (IF:	ISSN: 1581-1591

		e/view/69			0.045) (Anna Uni. Annexure -I, Scopus, UGC Approved No. 35005)	
25.	V. Mohana Selvi M. Suresh	Detour b-Radial graph	National	Scibay Journal of Mathematics	Volume1 (1), pp 1-8, 2016.	
26.	V. Mohana Selvi P. Kavitha	The split complement line domination in graphs	International	International Research Journal of Mathematics, Engineering and IT	Vol.3,Issue-10, pp 47-62, October 2016, (IF:3.563)	ISSN: 2349-0322
27.	V. Hemalatha V. Mohana Selvi	k and (k , d)- Super geometric mean labeling of some special graphs	National	Bulletin of Pure and Applied Mathematics	Volume 1 (1), pp 34-38, 2016.	ISSN :
28.	V. Mohana Selvi M. Suresh	Energy of some standardized detour radial graph	International	International Journal of Research in Engineering and Applied Sciences	Vol. 5, Issue 6, pp 258-263, June 2016 (IF: 5.981)	ISSN: 2249-3905
29.	V. Mohana Selvi S.Sivamani	Strong (Week) domination and independent strong (weak) domination in bipolar fuzzy graphs https://pdfs.semanticscholar.org/d997/640b4fa78867819ae65be158127e05ed9b0d.pdf	International	International Journal of Research in Engineering and Applied Sciences	Vol. 5, Issue 6, pp 72-77, June 2015 (IF: 5.981)	ISSN: 2249-3905
30.	V. Mohana Selvi M.Suresh	Tensor product in detour radial graphs	International	International Journal of Scientific & Engineering Research,	Volume 7, Issue 3, pp 63-68, March 2016 (IF: 3.2,	ISSN: 2229-5518

					Thomas Reuters)	
31.	V. Hemalatha V. Mohana Selvi	Super geometric mean labeling of union of graphs	International	International Journal of Scientific and Engineering Science	Volume 7, Issue 5, pp 39-41, May-2016 (IF: 3.2, Thomas Reuters)	ISSN: 2229-5518
32.	V. Mohana Selvi P.Kavitha	The legendary complement domination in graphs	National	Bulletin of Pure and Applied Mathematics	Vol.1(1), pp14-25, 2016	ISSN:
33.	V. Mohana Selvi P.Kavitha	The legendary domination in graphs	International	International Journal of Scientific & Engineering Research	Volume 7, Issue 3, pp 42-45, March 2016 (IF: 3.2, Thomas Reuters)	ISSN: 2229-5518
34.	V. Mohana Selvi K.Deiwakumari S.Divyakannu	Dual connected neighbourhood domination in graphs	International	International Journal of Scientific & Engineering Research	Volume 7, Issue 3, pp 63-68, March 2016 (IF: 3.2, Thomas Reuters)	ISSN: 2229-5518
35.	V. Mohana Selvi P.Shyamala antomary	The rebellion number in graphs https://www.ijser.org/researchpaper/The-Rebellion-Number-in-Graphs.pdf	International	International Journal of Scientific & Engineering Research	Volume 7, Issue 3, pp 56-61, March 2016 (IF: 3.2, Thomas Reuters)	ISSN: 2229-5518
36.	V. Mohana Selvi S.Sivamani	Paramount domination in bipolar fuzzy graphs	International	International Journal of Scientific & Engineering Research	Volume 7, Issue 3, pp 50-52, March 2016 (IF: 3.2, Thomas Reuters)	ISSN: 2229-5518
37.	V. Mohana Selvi S.Divya	The connected compliment domination in graphs	International	International Journal of Research in Engineering	Vol. 6 Issue 3, pp 1-17, March	ISSN(P) : 2349-6525

S. No.	Name of the author/s	Title of the paper	National / International	Place / Name of Journal	Vol./Issue	ISSN
	kannu			and Applied Sciences	2016 (IF : 6.573, Thomas Reuters)	
38.	V. Mohana Selvi P.Kavitha	The cycle neighbourhood domination in graphs	National	Jamal Academic Research Journal : an Interdisciplinary	Special Issue, pp 37-46, February 2016.	ISSN: 0973-0303
39.	V.Hemalatha V. Mohana Selvi	Super geometric of mean labeling of some cycle related graphs	International	International Journal of Scientific and Engineering Research	Vol. 6, Issue 11, pp 522-529, November 2015. (IF:3.2, Thomas Reuters)	ISSN: 2229-5518
40.	V. Mohana Selvi S. Sivamani	Perfect domination in bipolar fuzzy graphs	National	Jamal Academic Research Journal (JAJR)	Special Issue, pp 643-646, January 2015	ISSN: 0973-0303
41.	V. Mohana Selvi V.Hemalatha	On super geometric mean labeling of graphs https://apjor.com/downloads/190720149.pdf	National	Asia Pacific Journal of Research	Vol. :1, Issue XIV, pp 79-87, June 2014 (IF: 6.58)	ISSN: 2320-5504 E-ISSN: 2347-4793

(b)   PROCEEDING(S)

S. No.	Name of the author/s	Title of the paper	National / International	Place	Name of Conference	Page No & Year
1.	V. Mohana Selve M. Suresh	Some Graph Operations in Multiplicative Zagreb Indices https://doi.org/10.1063/5.002	International	SRM University, Katangkulathur	AIP Conference Proceedings **2277**, 150004 (2020) ISSN: 150004	Vol.2277 November 2020

		5250				
2.	V. Mohana Selvi S. Nithya	An introduction to domination matrix of a Graph	International	MK University, Madurai	International Conference on Algebra and Discrete Mathematics(ICADM)	MK University, Madurai, 2018
3.	V. Mohana Selvi M. Suresh	Mean vertex D-distance for radial and detour radial graphs	National	SRM University, Chennai	The 11th National Conference on Mathematical Techniques and Applications AIP Conf. Proc. 2112	pp 020129-1 – 020129-5, 978-0-7354-1844-8, 24 June 2019
4.	V. Hemalatha V. Mohana Selvi	Radio Geometric Mean Number Of Some Special Graphs	International	MK University, Madurai	International Conference on Algebra and Discrete Mathematics(ICADM)	Vol.1, pp 307- 313, 2018
5.	V. Mohanaselvi P. Nandhini	The Clique Neighbourhood Domination Number in Graphs	International	Kongunadu College Of Engineering and Technology, Thottiyam, Tiruchirappalli-621 007.	NCETCPM – 2017 Conference Proceedings	Volume 5, Issue 04 Special Issue – 2017
6.	V. Mohanaselvi S. Sivamani N. Revathi	Global Domination in Bipolar Fuzzy Graphs	National	Kongunadu Arts and Science College (Autonomous) Coimbatore, Tamil Nadu, India	Proceedings of the Conference Current Scenario in Pure and Applied Mathematics	Vol. 9, No. 3, pp. 815–825, December 22-23, 2016
7.	V. Mohana Selvi M. Suresh	A Study on Detour Radial Graph and b-Radial Graph	International	Academy of Discrete Mathematics and Applications (ADMA) & Department of Mathematics, Siddaganag	Three Day International Conference on "Discrete Mathematics-2016 (ICDM-2016) and Graph Theory Day – XII	June 9-11,2016

				a Institute of Technology, Tumukkur-572103, Karnataka		
8.	V. Mohana Selvi P. Kavitha	The Cycle Complement Domination in Graphs	National	Mannar Thirumalai Naicker College, Madurai	One Day National Seminar on Recent Trends in Applied Mathematics (RTAM-2015)	August 2015
9.	V. Mohana Selvi P. Kavitha	The Clique Complement Domination in Graphs	National	Mannar Thirumalai Naicker College, Madurai	One Day National Seminar on Recent Trends in Applied Mathematics (RTAM-2015)	August 2015
10.	V. Mohana Selvi S. Nithya	The Maximal Global Domination in Graphs	National	Mannar Thirumalai Naicker College, Madurai	One Day National Seminar on Recent Trends in Applied Mathematics (RTAM-2015)	August 2015
11.	V. Mohana Selvi S. Dhivyakannu	The Connected Complement Domination in Graphs	National	Mannar Thirumalai Naicker College, Madurai	One Day National Seminar on Recent Trends in Applied Mathematics (RTAM-2015)	August 2015
12.	V. Mohana Selvi P. Shyamala Antomary	Accurate Alliance in Graphs	National	National Institute of Technology, Trichy	National Conference on Analysis and Applied Mathematics (NCAAM'14)	pp 77-84, Bonfring, December 2014
13.	V. Mohana Selvi	Edge Domination in Bipolar	International	University College of Engineerin	International Conference on Mathematics	pp 702-706, December

	S. Sivamani	Fuzzy Graphs		g, Villupuram -603103	and its applications (ICMAA)	2014

19. DETAILS OF PRESENTATION(S)
(Conference(s) / Seminar(s))

S. No.	Name of the Paper	Name of the Conference / Seminar	National/ International	Place	Duration/ Date
1.	A Study on Accurate Independent Defensive Alliance Number in Graphs	International Conference on Artificial Intelligence and Information Technology ICAIIT'21	International	Hindustan College of Arts and Science, Coimbatore	September 29,2021
2.	An introduction to domination matrix of a Graph	Intenational Conference On Algebra And Mathematics - ICADM 2018	International	Madurai Kamaraj University, Madurai-625021	January 08-10, 2018
3.	Radio Geometric Mean Number Of Some Special Graphs	Intenational Conference On Algebra And Mathematics - ICADM 2018	International	Madurai Kamaraj University, Madurai-625021	January 08-10, 2018
4.	(1,2) – edge domination in product related graphs	National Conference on Mathematical Techniques and their Applications (NMCTA-2017)	National	Department of Mathematics, SRM University, Chennai	January 27, 28 2017
5.	A Study on Detour Radial Graph of Cycle Graphs, Graph Permutation and inversion	National Conference on Mathematical Techniques and their Applications (NMCTA-2017)	National	Department of Mathematics, SRM University, Chennai	January 27, 28 2017
6.	Radio	9 th National Level	National	Department of Mathematics,	January 27 -

	Geometric Mean Number Of Some Subdivision Graphs	Conference On Mathematical Techniques and Their Applications (NCMTA-2017)		Faculty of Science and Humanities, SRM University, Kattankulathur - 603 203.	28, 2017
7.	The complement line domination in graphs	Two Day National Seminar on Topology and its applications in various fields	National	Department of Mathematics, Seethalakshmi Ramasamy College, Trichy, Tamilnadu.	February 9-10, 2017
8.	The line complement domination in graphs	Two Day National Seminar on Topology and its applications in various fields	National	Department of Mathematics, Seethalakshmi Ramasamy College, Trichy, Tamilnadu.	February 9-10, 2017
9.	Radio Geometric Mean Labeling Of Star Like Graphs	National Level Conference On Current Scenario in Pure and Applied Mathematics (NCCSPAM 2016)	National	PG and Research Department of Mathematics, Kongunadu Arts and Science College, Coimbatore - 641 029.	December 22 - 23, 2016
10.	Green Environment – a Global Perspective	International Seminar on Green Management	International	PG & Research Department of Mathematics, Nehru Memorial College (Autonomous), Puthanampatti - 621007	August 12, 2016
11.	k & (k,d)- Super Geometric Mean Labeling of some special graphs	National Conference on Bridging Innovative Trends in Pure & Applied Mathematics (BITPAM-	National	Department of Mathematics, Bannari Amman Institute of Technology, Sathamangalam - 638401	July 15-16, 2016.

		16)			
12.	The legendary complement domination in graphs	National Conference on Bridging Innovative Trends in Pure & Applied Mathematics (BITPAM-16)	National	Department of Mathematic, Bannari Amman Institute of Technology, Sathamangalam - 638401	July 15-16, 2016.
13.	(1,2) Edge Domination in Cycle and Path related Graphs	National Conference on Bridging Innovative Trends in Pure & Applied Mathematics (BITPAM-16)	National	Department of Mathematics, Bannari Amman Institute of Technology, Sathamangalam – 638401	July 15-16, 2016.
14.	Detour b-radial graph	National Conference on Bridging Innovative Trends in Pure & Applied Mathematics (BITPAM-16)	National	Department of Mathematics, Bannari Amman Institute of Technology, Sathamangalam – 638401	July 15-16, 2016.
15.	Independent Rebellion Number in Graphs	National Conference on Bridging Innovative Trends in Pure & Applied Mathematics (BITPAM-16)	National	Department of Mathematics, Bannari Amman Institute of Technology, Sathamangalam – 638401	July 15-16, 2016.
16.	Twain positive and negative domination in Bipolar Fuzzy Graphs	National Conference on Bridging Innovative Trends in Pure & Applied Mathematics (BITPAM-16)	National	Department of Mathematics, Bannari Amman Institute of Technology, Sathamangalam – 638401	July 15-16, 2016.

17.	A study on Detour Graph and b-Radial Graph	International Conference on Discrete Mathematics-2016 and Graph Theory Day-XII	International	Department of Mathematics, Siddaganga Institute of Technology, Tumakuru-572 103, Karnataka.	June 9-11 2016.
18.	Super Geometric Mean Labeling of some Union related Graphs	National Conference on Energy of Graphs (NCEG – 2016)	National	Department of Mathematics, Maharani's Science College for Women, J.L.B. road, Mysuru – 570005, Karnataka.	March 11-12, 2016
19.	The Legendary Domination in Graphs	National Conference on Energy of Graphs (NCEG – 2016)	National	Department of Mathematics, Maharani's Science College for Women, J.L.B. road, Mysuru – 570005, Karnataka.	March 11-12, 2016
20.	Dual Connected Neighbourhood Domination in Graphs	National Conference on Energy of Graphs (NCEG – 2016)	National	Department of Mathematics, Maharani's Science College for Women, J.L.B. road, Mysuru – 570005, Karnataka.	March 11-12, 2016
21.	Tensor Product in Detour Radial Graphs	National Conference on Energy of Graphs (NCEG – 2016)	National	Department of Mathematics, Maharani's Science College for Women, J.L.B. road, Mysuru – 570005, Karnataka.	March 11-12, 2016
22.	Paramount Domination in Bipolar fuzzy graphs	National Conference on Energy of Graphs (NCEG – 2016)	National	Department of Mathematics, Maharani's Science College for Women, J.L.B. road, Mysuru – 570005,	March 11-12, 2016

1				Karnataka.	
23.	Rebellion Number in Graphs	National Conference on Energy of Graphs (NCEG – 2016)	National	Department of Mathematics, Maharani's Science College for Women, J.L.B. road, Mysuru – 570005, Karnataka.	March 11-12, 2016
24.	The Cycle Complement Domination in Graphs	National Seminar on Recent Trends in Applied Mathematics (RTAM – 2015)	National	Department of Mathematics, Mannar Thirumalai Naicker College, Pasumalai, Madurai - 625004	August 14, 2015
25.	The Clique Complement Domination in Graphs	National Seminar on Recent Trends in Applied Mathematics (RTAM – 2015)	National	Department of Mathematics, Mannar Thirumalai Naicker College, Pasumalai, Madurai - 625004	August 14, 2015
26.	The Connected Complement Domination in Graphs	National Seminar on Recent Trends in Applied Mathematics (RTAM – 2015)	National	Department of Mathematics, Mannar Thirumalai Naicker College, Pasumalai, Madurai - 625004	August 14, 2015
27.	The Maximal Global Domination in Graphs	National Seminar on Recent Trends in Applied Mathematics (RTAM – 2015)	National	Department of Mathematics, Mannar Thirumalai Naicker College, Pasumalai, Madurai - 625004	August 14, 2015

20.   DETAILS OF PARTICIPATION

(Conference(s) / Seminar(s) / Workshop(s) / Symposium(s))

S. No.	Name of the event(s)	Sponsored by	Conducted by	Place	Duration/ Date
Conference(s)					
1	International Virtual Conference on Applied	IEEE, ICI & etc.,	SONA College of	Salem 636 005	December 11 & 12

	science, Technology Management, Language Studies – ASTMLS 2020		Technology		2020
2	International Conference on Algebra And Mathematics - ICADM 2018	Department of Mathematics, Madurai Kamaraj University	Madurai Kamaraj University	Madurai-625021	December 27, 2018
Workshop(s)					
1	One Day Workshop on "Outcome Based Education"	The Ages of UGC Autonomous Grant	Nehru Memorial College	Puthanampatti-621007	August 25, 2018
2	Workshop on "Soft Skills"	PG and Research Department of Mathematics, NMC	Abel Interdisciplinary Research Cell	Puthanampatti-621007	February 15, 2018
3	Workshop on "GST	PG and Research Department of Mathematics, NMC	Abel Interdisciplinary Research Cell	Puthanampatti-621007	February 6, 2018
4	Two day Workshop on "Innovative curriculum design"	PG and Research Department of Mathematics, NMC	Abel Interdisciplinary Research Cell	Puthanampatti-621007	November 24-25, 2017
5	Two day Workshop on "Soft Skill"	PG and Research Department of Mathematics, NMC	Abel Interdisciplinary Research Cell	Puthanampatti-621007	February 11-12, 2017
6	Two day Workshop on "LATEX"	PG and Research Department of Mathematics, NMC	Abel Interdisciplinary Research Cell	Puthanampatti-621007	January 30-31, 2017
7	Two day National Workshop on "R Programming"	PG and Research Department of Mathematics, NMC	Abel Interdisciplinary Research Cell	Puthanampatti-621007	September 25-26, 2015
8	Two day Workshop on	PG and	Abel	Puthana	July 18-19,

	"LATEX"	Research Department of Mathematics, NMC	Interdisciplinary Research Cell	mpatti-621007	2014
9	Two day ICMR sponsored Lecture Workshop on " Need Based Value added Research Proposal Writing"	ICMR	Nehru Memorial College	Puthana mpatti-621007	September 25-26, 2014
Symposium(s)					
1	One Day Symposium on "Mathematical Modelling"	PG and Research Department of Mathematics, Nehru Memorial College	Abel Interdisciplinary Research Cell	Puthana mpatti-621007	September 11, 2015
Webinar(s)					
1.	One day International webinar on " Mathematical Analysis and Recent Trends in Career Opportunities"	Department of Mathematics	Shrimatshi Devkunvar Nanalai Bhatt Vaishnav college for Women	Madras	March 10, 2021
2.	"One day national webinar on Graph Theory"	PG & Research Department of Mathematics	Government Arts college (Grade - 1)	Chidamb aram	June 12,2020
3.	One day webinar on " Spanning Trees & Colorings"	Department of Mathematics & IQAC	The Quaide Milleth College for Men	Chennai	June 15, 2020
4.	Two day National webinar on " Online Education in the changing times : Problems & Prospects"	Teachers Association VUTA	Vidhyasagar University	West Bengal, India	July 7 & 8 2020
5.	One day National level Webinar on " Enhancing the Concepts of Sequence"	Ramanujan Research Centre in Mathematics	Saraswathi Narayanan College	Madurai	July 20, 2020
6.	One day National webinar on " How to stay	Department of Chemistry & KMC	NMC	Puthana mpatti -	July 22, 2020

S. No.	Name of the events	Sponsored by	Conducted by	Place	Duration/ Date
	safe during Corona times"			621007	
7.	Five Day National level E-Quiz on " Basic Mathematical Methods"	Department of Economics	Muqyyath Sha Siguro Wakf Board College	Madurai	July 27-31, 2020

21. DETAILS OF PROFESSIONAL DEVELOPMENT
(Orientation / Refresher Course / FDP / Short Term Course / Online Course)

S. No.	Name of the events	Sponsored by	Conducted by	Place	Duration/ Date
Orientation Programme					
1	Faculty Orientation Programme for Teachers	UGC Autonomous Grant	NMC	Puthanam patti	13-06-2016 to 14-06-2016 (2 Days)
2	Orientation Programme	UGC	Bharathida san University	Trichy	05-11-2014 to 02-12-2014 (28 Days)
Refresher Course					
1	Refresher Course	UGC	Bharathiar University	Coimbatore	04.12.2019 to 17.12.2019 (14 Days)
2	Refresher Course	UGC	Bharathiar University	Coimbatore	05-07-2017 to 25-07-2017 (21 Days)
Faculty Development Programme					
1.	Applications of Mathematics and Statistics	Department of Mathematics	Vivekanandha College of Technology for Women	Elayam palayam -637 205	24 – 29 March 2021
2.	Online Teaching, Learning And Evaluation	The aegis of UGC Autonomous Grant	Nehru Memorial College	Puthana mpatti-621007	10 August 2020
3.	Faculty Development Programme on "Student Skills, Mentoring and Counselling"	The aegis of UGC Autonomous Grant	Nehru Memorial College	Puthana mpatti-621007	30 May 2019
4.	Two Day Faculty Development Programme	The aegis of UGC Autonomous Grant	Nehru Memorial College	Puthana mpatti-621007	11 & 12 June 2018.
5.	Faculty Development Programme on "Effective Teaching"	The aegis of UGC Autonomous	Nehru Memorial College	Puthana mpatti-621007	12 June 2017

		Grant			
6.	Faculty Development Programme on "Soft Skills"	The aegis of UGC Autonomous Grant	IQAC in Nehru Memorial College	Puthanampatti-621007	27 December 2016
7.	Faculty Development Programme on "Revisiting Examination System in the Current Scenario"	The aegis of UGC Autonomous Grant	Nehru Memorial College	Puthanampatti-621007	19 March 2016
8.	Faculty Development Programme on "Sustenance/Enhancement of Quality in Higher Education"	The aegis of UGC Autonomous Grant	Nehru Memorial College	Puthanampatti-621007	5 August 2015
9.	Faculty Development Programme on "Analysis"	The aegis of UGC Autonomous Grant	ABEL Interdisciplinary Research Cell, PG & Research Department of Mathematics, Nehru Memorial College	Puthanampatti-621007	29 October 2014
10	Faculty Development Programme on "Impact of Research on Teaching in Higher Education"	The aegis of UGC Autonomous Grant.	Internal Quality Cell of Nehru Memorial College	Puthanampatti-621007	11 June 2014