



Dr Seema Mehra
Professor
Department of Mathematics
Maharshi Dayanand University
Rohtak-124001 India
sberwal2007@gmail.com
sberwal2007.math@mdurohtak.ac.in

Name: Dr Seema Mehra
Husband's Name: Mr Chandra Pal
Current Position: Professor
Department of Mathematics
Maharshi Dayanand University
Rohtak-124001
Date of Birth and Nationality: (02.10.1980) Indian
Permanent Address: H.No. 22, 9J, University Campus, M. D.
University, Rohtak

Educational Background:

Ph.D	Mathematics	MDU, Rohtak	2010
M.Sc.	Mathematics	MDU, Rohtak	2003
B.Ed	Mathematics, Science	MDU, Rohtak	2001
B.Sc	Physics, Chemistry, Mathematics	MDU, Rohtak	2000

Date of Joining: 11-07-2006.

Fellowship Awarded: JRF awarded by UGC-CSIR, New Delhi.

Language Proficiency : English, Hindi

Positions held in Department of Mathematics:

Assistant Professor(AGP 6000) Department of Mathematics (11.07.2006- 06.12. 2011)
Maharshi Dayanand University
Rohtak-124001

Assistant Professor(AGP 7000) Department of Mathematics (07.12.2011- 06.12.2015)
Maharshi Dayanand University
Rohtak-124001

Assistant Professor(AGP 8000) Department of Mathematics (07.12.2015-06.12.2018)
Maharshi Dayanand University
Rohtak-124001

Associate Professor(AGP 9000) Department of Mathematics (07.12.2018-06.12.2021)
Maharshi Dayanand University
Rohtak-124001

Professor(AGP 10000)

Department of Mathematics (06.12.2021-continuing)
Maharshi Dayanand University
Rohtak-124001

Research Project:

- Minor research project on Fuzzy Sets and Fuzzy Logic: Theory and Applications from **University Grants Commission, New Delhi. 2012-2014**(Rs. 1,60,000).

Research Experience and Theme of Research (16 Years: 2006 to continuing):

a) Common Fixed Point Theorems in Intuitionistic Fuzzy Metric and Normed Spaces (2006-2023):

31 papers are published in this field in national and international journals and 02 in Proceedings

b) Graph Labeling, Set Indexers of Graphs, Labeling of Fuzzy Graphs, Domination Sets, Domination Polynomial of Graphs(2012 continuing):

22 papers are published in this field in national and international journals and 02 in Proceedings .

Academic Teaching & Research at Department of Mathematics, New Delhi(2006-2016 continuing):

Teaching Experience : 17 years 4 months

Post Graduate Supervision :

- Teaching two courses at M.Sc. Level- **Subjects Taught**
Functional Analysis
Real Analysis
Advanced Discrete Mathematics
Fuzzy Mathematics
Graph Theory
- Supervised M.Phil dissertations of 17 students and Ph.D thesis of 4 students(currently supervising 4 Ph.D students)
- Topics of Ph.D. Students under my supervision

LIST OF Ph.D. STUDENTS

S.No.	Title of the Thesis	Name of the Candidates	Registered and Awarded
1	On Labeling of Graphs with Certain Conditions	Neelam Kumari	Registered-12-12-2012 Awarded – 2018
2	Labeling of Fuzzy and Intuitionistic Fuzzy Graphs	Manjeet Singh	Registered-16-12-2013
3	Advanced Studies on Set Indexers of Graphs- Topological Approach	Puneet	Registered-16-05-2014 Awarded – 2018

4	Existence Of Fixed Points For Mappings In Various Spaces Endowed With Graphs	Anuradha	Registered- 01-03-2017 Awarded – 11-08-2021
5	A Study of Dominating sets and Domination Polynomial of graphs	Jyoti	Registered-03-01-2019
6	On Fixed Point Results for Graphical Mappings in Normed Linear and Metric Spaces	Neeraj	Registered-03-01-2020
7.	On Matching and Domination Sets in Graphs	Arvind	Registered-02-12-2021
8.	Domination and Dominator Coloring of Graphs	Dipshi	Registered-02-12-2021
9.	On The Convergence of Iterative Algorithms for Solutions of Fixed Point and Monotone Inclusion Problems	Anjali	Registered-02-12-2021
10.	Labeling of Various Graphs of Some Algebraic Structures	Usha Kumari	Registered

LIST OF M.PHIL STUDENTS

S.NO	TITLE OF THE DISSERTATION	NAME OF THE CANDIDATES	Degree Awarded
1.	On Stability of Some Fixed Point Iteration Procedures	Jagjeet	2011
2.	Studies On Iteration Procedures And Their Convergence	Ritika	2011
3.	Fixed Point Theorems and Convergence Theorems For Various Mappings In $Cat(0)$ Spaces	Sonu Mehla	2013
4.	A Study on Coupled And Tripled Common Fixed Point heorems For Pair Of Various Mappings In G-Metric Spaces	Suman	2013
5.	A Study of Magic Graphs	Balraj	2013
6.	Coupled Fixed Point Theorems in Partially Ordered Metric And Partially Ordered Cone Metric Spaces	Sonu	2013
7.	Fixed Point and Coupled Fixed Point Theorems In b- Metric Spaces	Menka	2014

8.	A Study of Some Results on Tripled Fixed Points For Mappings	Jyoti	2014
9.	A Study on Set-Indexers Of Graphs	Pinki	2014
10	On Coupled Fixed Point Theorems in Fuzzy Metric Spaces	Udaibhan	2016
11	Quadruple Fixed Point Theorems in Metric and Partially Ordered Metric Spaces	Sukanya	2017
12	Some Results on Fixed Points and Coupled Fixed Points in Dislocated Metric Spaces	Chandni	2017
13	Fixed Point Theorems for Mappings in Metric Spaces Endowed With a Graph	Anita	2017
14	A Study On Fuzzy Graphs And Bipolar Fuzzy Graphs	Umesh Kumari	2017
15	A Study on Types of Single Valued Neutrosophic Graphs	Monia	2018
16	A Study on Domination in Graphs	Deepak	2019
17	A Study on Neutrosophic Metric Spaces and Fixed Point	Krishan	2020
18	Study of Mathematical Techniques of Face Recognition	Archana	2022

Contribution in Departmental Committees:

- Convenor, Committee for Maintenance & Updation of Records related to Students and Research Activities of the Department
- Member of Committee for Framing and Updation of Syllabi
- Member, Departmental NAAC Committee, Department of Mathematics, MDU, Rohtak.
- Member of Committee of Cultural Programme on the occasion of Welcome / Farewell

Party of the students.

- Convenor, Committee of Parent-Teacher's Meet (2011-12).
- Time Table Incharge of Department of Mathematics, MDU, Rohtak(2006-09)
- Member of Committee of Parent – Teacher's Meet (Students' support Activity).
- Member of Time Table Committee from 2015-2016.
- Member of Admission Committee for M.Sc. Mathematics/M.Sc. Mathematics with Computer Science/ 5-Year Integrated M.Sc. Maths (Hons.).
- Member of Merit list preparation Committee for M.Sc. Mathematics/M.Sc. Mathematics with Computer Science/ 5-Year Integrated M.Sc. Maths (Hons.)
- Member of Merit Preparation Committee for M.Phil Mathematics
- Teacher In-charge for M.Sc. Mathematics
- Member of one day trip organized by the Department (Session 2015-2016).
- Member of Committee to Provide Information under RTI Act.
- Convenor, Committee to prepare Annual Report of Department of Mathematics, M.D.U.Rohtak.
- Member, Departmental NAAC Committee, Department of Mathematics, M.D.University, Rohtak.
- Member, Departmental NIRF Committee, Department of Mathematics, M.D.University, Rohtak.
- Member, Departmental Annual Report of Department Committee, Department of Mathematics, M.D.University, Rohtak.
- Member, Departmental SAP Committee, Department of Mathematics, M.D.University, Rohtak.
- Member, University NAAC Committee, Criterion III, M.D.University, Rohtak.
- IQAC Officer, Departmental level, M.D.University, Rohtak.
- Acted as a **member of the organising team** of the Blood Donation Camp & Eye Donation Pledge Camp organized by the Department of Mathematics, Maharshi Dayanand University, Rohtak on Sept. 16, 2015 in Department of Mathematics, Maharshi Dayanand University, Rohtak.
- Acted as **secretary** in the National workshop on "Communication and Soft Skills", financed out of Dr Radha Krishnan Foundation Fund, Maharshi Dayanand University, Rohtak, Oct 16 , 2015.
- Attended National workshop as **member of organization team** on "All India Survey on Higher Education Cell", Maharshi Dayanand University, Rohtak, Nov 20 , 2015.
- Acted as **secretary** a one day workshop on "Mathematics : Recent Developments and Scope" in the Department of Mathematics, M.D.U.,Rohtak on October 21, 2016 out of Radha Krishnan fund of University.
- Acted as **secretary** in a national seminar on Recent Developments in Mathematical Sciences(NRDMS-2017) from March 07-08, 2017 sponsored by UGC(SAP)).
- Awarded as **Guest of Honour in the** workshop on "Gender Sensitization and Women Safety at Workplace" organized by SCSHVW, Maharshi Dayanand University, Rohtak, Feb. 09-10, 2016.
- Acted as Judge/ Member organizing committee in Painting/ Poster Making/ Slogan Writing Competition/ Blood Donation Camp/Eye Donation Pledge Camp held on September 16, 2019 at the Department of Mathematics, MDU, Rohtak.
- Acted as Judge in Model Exhibition and Paper Reading in One day Sankul Maths

Science fair under the roof of Hindu Shiksha Samiti, Kurukshetra on 12th Oct.2019 held in Shiksha Bharti Vidyalaya, Rohtak.

- Acted as **secretary** in a national seminar on Mathematical Sciences and Applications (NSMSA-2017) organized by Department of Mathematics, Maharshi Dayanand University, Rohtak, in commemoration of 132nd birthday of Mathematician Srinivasa Ramanujan, National Science Day, Dec. 22, 2019.
- Acted as **Co-ordinator** in a one day Workshop on “MATLAB and LATEX” organized by Department of Mathematics, Maharshi Dayanand University, Rohtak, held on Jan 25, 2020.
- Acted as **secretary** in e-Milan Samaroh on Mathematics in COVID- organized by Department of Mathematics, Maharshi Dayanand University, Rohtak, held on May 02, 2020.
- **Member** of Organizing Committee of One Day Exhibition of Poster & Models on Mathematics and Post Graduate Level Mathematical Quiz Competition held on 28.02.2020.
- **Team in-charge** of One Day Exhibition of Poster & Models on Mathematics and Post Graduate Level Mathematical Quiz Competition held on 28.02.2020.
- **Member** of Organizing Committee of Online International Conference on ‘History and Development of Mathematics’ held on 22.12.2020.
- **Organizing Secretary** of ATAL(Academy) Online Faculty Development Programme on “Advanced Mathematical Techniques in Engineering & Technology” from Oct. 18-22, 2021.

Professional Recognition and Membership :

- Member of U.G. Board of Studies
- Member of Academic Council of MDU, Rohtak
- Member of Departmental Research Committee
- Member of P.G. Board of Studies
- Member of Faculty of Physical Sciences
- Life Member, Indian Society of Information Theory & Applications
- Life Member, Neutrosophic Sciences International Association.
- Member, Grievance Redressal Committee, Maharshi Dayanand University, Rohtak.(12.06.2020)

Refresher/ Orientation Courses/Conferences/Seminars/Workshops Attended 50

Sr. No.	Programme	Duration	Organized by
1	Refresher Course	18.12.2013-09.1.2014	B.P.S. Mahila Vishwavidyalaya, Khanpur, Sonapat
2	Refresher Course	22.12.2010-12.1.2011	B.P.S. Mahila Vishwavidyalaya, Khanpur, Sonapat
3	Orientation Course	7.12.2009-3.1.2010	B.P.S. Mahila Vishwavidyalaya, Khanpur, Sonapat
4	One Week Short Term Course	15.01.2018-20.01.2018	NIT, Kurukshetra

5	Faculty development Program	25.11.2018-30.11.2018	B.P.S. Mahila Vishwavidyalaya, Khanpur, Sonapat
6.	Faculty development program through online mode on LATEX & SCILAB	09-06-2020 to 15.06.2020	University of Rajasthan, Jaipur
7.	National Level Online Workshop on "Mastering Mathematical Concepts with Python Programming	17.09.2023 to 18.09.2023	Indian Mathematics Professors Association (INMPA) and Infinity Research and Development Institute(Online)
8.	Workshop on AI Tools for Mastery in Modern Teaching	02.09.2023 to 03.09.2023	Indian Mathematics Professors Association (INMPA) and Infinity Research and Development Institute(Online)
9.	A Two-Day National -Level Online Hands-On Workshop on AI Tools for Advanced Research and Modern Teaching & Learning	04.11.2023 to 05.11.2023	Indian Mathematics Professors Association (INMPA) and Infinity Research and Development Institute (Online)
10.	A Five Days Faculty Development Program on "Recent Advancement in Mathematical Sciences (RAIMS)"	06.11.2023 to 10.11.2023	Department of Mathematics, SBU, Ranchi (Hybrid)
11.	Two-Day National Faculty Development Programme on Research Writing & Publication Process	25.11.2023 to 26.11.2023	Centre for Research & Training, National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu (Online)

Published Papers in Journals:

Papers in Journals

1. Jyoti Rani and Seema Mehra, Pendant total domination polynomial of some families of standard graphs, *Communications in Mathematics and Applications*, 2023,14(2), 647-654. ISSN: 0975-8607 (online); 0976-5905 (print)
2. Dipshi and Seema Mehra, The Arrow Domination of Some Generalized Graphs, *Communications in Mathematics and Applications*, 2023,14(1), 333-347. ISSN: 0975-8607 (online); 0976-5905 (print)
3. Jyoti Rani and Seema Mehra, Pendant total domination number of some Generalized graphs, *Advances and Applications in Discrete Mathematics*, 2022, 33(3), 19-26, ISSN: 0974-1658.
4. Anjali, Seema Mehra, Renu Chugh , Salma Haque and Nabil Mlaiki, Iterative algorithm for solving monotone inclusion and fixed point problem of a finite family of demimetric mappings, *AIMS Mathematics*, 2023,8(8), 19334-19352. ISSN 2473-6988 (Online).
5. Anuradha, Seema Mehra, Laxmi Rathour and Lakshmi Narayan Mishra, Complete orthogonally modular metric space and fixed point results for orthogonal generalized F-contraction mappings, *Advanced Studies: Euro-Tbilisi Mathematical Journal*, 2023, 16(2), 115-136. ISSN: 2667-9930(O)
6. Usha Kumari, Renu Yadav, Amit Sehgal and Seema Mehra, The extreme vertices of the power graph of group S_n , *Journal of Applied Mathematics and Computing*, 2023, 69, 3835–3849. ISSN: 1865-2085(O), 1598-5865(P).
7. Arvind and Seema Mehra, Regnant and Captive Domination in Some Generalized Graphs, *Advances and Applications in Discrete Mathematics*, 2022, 34, 87-99. ISSN: 0974-1658.
8. Neeraj Kumar and Seema Mehra, Fixed Point of Mappings in G-Dualistic Partial Metric Space Endowed with a Graph, *International Journal of Intelligent Systems and Applications in Engineering*, 2022, 10(1S), 363–375, ISSN: 2147-6799.
9. Neeraj Kumar and Seema Mehra, Generalized Contractions on Extended b-Metric Space Endowed with a Graph, *Communication in Mathematics and Applications*, 2022, 13(3), 955-971, ISSN: 0975-8607, 0976-5905.
10. Anuradha and Seema Mehra, Some Fixed Point Results for Meir-Keeler Contraction Version in Modular Metric Spaces Endowed with Graph and in Fuzzy Metric Space, *Int. J. Appl. Comput. Math*, 2022, 8(50),1-17. ISSN : 23495103, 21995796.
11. Anuradha and Seema Mehra, ϵ -Compatible Map and New Approach for Common Fixed Point Theorems in Partial Metric Space Endowed with Graph, *Mathematics and Statistics*, 2020, 8(3), 254-261. ISSN: 2332-2144(O) 2332-2071(P)
12. Seema Mehra and Manjeet Singh, Intuitionistic fuzzy signed graphs of the second type, *Bull. Pure Appl. Sci. Sect. E Math. Stat.* 39E(2), 257–264 (2020). ISSN: 2320-3226(O) 0970-6577(P)
13. Anuradha and Seema Mehra, On Neutrosophic Triplet quasi–dislocated-b-metric space, *Neutrosophic Sets and Systems*, 2020,38, 119-134. ISSN: 2331-608X(O) 2331-6055(P)
14. Jyoti Rani and Seema Mehra, Total Domination Polynomial of Some Graphs, *Advances and Applications in Discrete Mathematics*, 2020, 25(2),161-171. ISSN: 0974-1658
15. Seema Mehra and Anuradha, Some Common Fixed Point Theorems for Generalized Weakly g- Contractive Mappings in Metric Spaces Endowed with Reflexive Digraph, *Far East Journal of Mathematics*, 2019, 114(2), 167-203. ISSN: 0972-0871
16. Anuradha, Seema Mehra , Said Broumi, Non-Archimedean Fuzzy M-Metric Space and Fixed Point Theorems Endowed with a Reflexive Digraph, *Mathematics and Statistics*, 2019,7(5), 229-238. DOI: 10.13189/ms.2019.070509. ISSN: 2332-2144(O) 2332-2071(P)
17. Seema Mehra and Neelam Kumari, A Survey of E- Super Vertex Magic Labelingness and V- Super Vertex Magic Labelingness, *Aryabhata Journal of Mathematics and Informatics*, 2018, 10(1), 77-82. ISSN: 2394-9309(O) 0975-7139(P).
18. Seema Mehra, Weakly Compatible Maps and Common Coupled Fixed Point Theorems in Generalized Fuzzy Metric Spaces, *Aryabhata Journal of Mathematics and Informatics*,2018, 10(1),151-158. ISSN: 2394-9309(O) 0975-7139(P)
19. Seema Mehra, Weak Compatible mappings in Intuitionistic Fuzzy 3- Metric Space, *Journal of Basic and Applied Engineering Research*, 5(5)(2018), 396-399. ISSN: 2350-0077(P), ISSN: 2350-0255(O).
20. Seema Mehra and Monia, Strong Signed Degrees in Single Valued Neutrosophic Signed Graphs, *Journal of*

- Basic and Applied Engineering Research, 5(5)(2018), 424-432. ISSN: 2350-0077(P), ISSN: 2350-0255(O).
21. Seema Mehra and Anuradha, Vector Valued Generalized Partial b-Metric Space and Some Common Fixed Point Theorems Endowed With a Graph, International Journal of Management, Technology and Engineering, vol. 8, issue X, October 2018, 2783-2793. ISSN: 2249-7455.
 22. Seema Mehra and Deepak, Secure Regular Set Domination in Graphs, International Journal of Management, Technology and Engineering, vol. 8, issue X, October 2018, 2663-2666. ISSN: 2249-7455.
 23. Seema Mehra and Puneet, A Characterization for Topologically Integer Additive Set-Indexers of Graphs II, International Journal of Applied Engineering Research Vol 13, Number 13 (2018) pp. 11330-11335. ISSN 0973-4562.
 24. Seema Mehra and Neelam Kumari, Weakly Integer Additive Set Indexers of Cartesian Product of Graphs, International Journal of Applied Engineering Research, 2018, 13(10), 8601-8605. ISSN 0973-4562.
 25. Neelam Kumari and Seema Mehra, On Vertex Product Cordial Labeling, International Journal of Pure and Applied Mathematics, 2017, 114(3), 553-570. ISSN: 1311-8080 (P); ISSN: 1314-3395 (O)
 26. Seema Mehra And Manjeet Singh, Single Valued Neutrosophic Signed Graphs, International Journal of Computer Applications, 2017, 157(9), 31-34. ISSN 0975 – 8887.
 27. Seema Mehra and Manjeet Singh, Some Results on Intuitionistic Fuzzy Magic Labeling Graphs, Aryabhata Journal of Mathematics and Informatics Vol.09 Issue-01, (2017), 931-938. ISSN: 2394-9309 (E) / 0975-7139 (P).
 28. Seema Mehra and Puneet, A Characterization of Topogenic Integer Additive Set- indexers of Graphs, Far East Journal of Mathematical Sciences”10(11), 2017, 2349-2370. (Indexed: Scopus) ISSN:0972-0871.
 29. Seema Mehra and Puneet, On Topological Strong Integer Additive Set-Indexers of Graphs, International Journal of Mathematical Sciences, 16(2), 2017. (UGC-Listed) ISSN-0972-754X.
 30. Seema Mehra and Puneet, A Characterization for Topologically Integer Additive Set-Indexer of Graphs, Discrete Mathematics, Algorithms and Applications , 2016, 8 (1), 165001201- 165001210. ISSN (P): 1793-8309 | ISSN (O): 1793-8317
 31. Seema Mehra and Manjeet Singh, Complementary Nil Domination in Intervalvalued Intuitionistic Fuzzy Graph, Gen. Math. Notes, 2015, 31 (1), 61-71. ISSN 2219-7184
 32. Seema Mehra and Puneet, On Topological Integer Additive Set- Graceful Graphs, Interational Journal of Mathematical Sciences, 2015, 35(2), 1780-1784. ISSN-2051-5995.
 33. Seema Mehra, Anju Panwar and Renu Chugh, Common Fixed Point Theorems in Cone G- Metric Space with W- Distance, International Journal of Mathematical Archive, 2014, 5(3), 283-289. ISSN: 2229-5046.
 34. Neelam Kumari and Seema Mehra, New Construction on Complementary Super Edge Magicness of Graphs, International Journal of Advances In Engineering & Technology, 2014, 6 (6), 2791-2794. ISSN: 2231-1963.
 35. Neelam Kumari and Seema Mehra, E-Super Vertex Magic Labeling and V-Super Vertex Magic Labeling, International Journal of Scientific & Engineering Research, 2014, 5 (1), 210-213. ISSN: 2229-5518.
 36. Savita Rathee, Seema Mehra and Anju Panwar, Fixed Points of Mappings in Fuzzy Normed Spaces, International Journal of Computer Applications , 2013, 62(21), 8-10. ISSN: 0975 -8887.
 37. Neelam Kumari and Seema Mehra, 1-Edge Magic Labeling for Some Class of Graphs, International Journal of Computer Engineering & Science, 2013, 3(2), 87-90. ISSN: 2231-6590.
 38. Anju Panwar , Renu Chugh and Seema Mehra, Some Fixed Point Theorems For T-Kannan Contractions and Weakly Compatible Pairs of mappings in G-cone Metric Spaces, Scientific Studies and Research Series Mathematics and Information , 2013, 23(2), 87-114. ISSN: 2067-3566.
 39. Seema Mehra and Neelam Kumari, Complementary Super Edge Magic Labeling of Some Graphs, International Journal of Applied Science and Technology Research excellence, 2013, 3(4), 20-24. ISSN: 2250-2718.
 40. Neelam Kumari and Seema Mehra, Further Results on Complementary Super Edge Magic Graph Labeling, International Journal of Innovative Research in Science, Engineering and Technology, 2013, 2(9), 4596-4601. ISSN: 2319-8753.
 41. Neelam Kumari and Seema Mehra, Some Graphs with n- Edge Magic Labeling, International Journal of Innovative Research in Science, Engineering and Technology, 2013, 2(10), 5633-5640. ISSN: 2319-8753.

42. Renu Chugh, Anju Rani*, and Seema Mehra, On Some Fixed Point Iteration Procedures with Errors for Quasi Non Expansive Mappings, *Asian Journal of Current Engineering And Maths*, 2012, 64 – 68. ISSN: 2277-4920.
43. Seema Mehra, Common Coupled Fixed Point Theorems of Contractive Mappings in Q-Fuzzy Metric Spaces , *International Journal of Mathematical Archive*, 2012, 3(10), 3826-3835. ISSN: 2229-5046.
44. Seema Mehra, Fixed Point Theorems in Non-Archimedean Fuzzy Metric Spaces, *International Journal of Applied Mathematical Research*, 2012, 1 (2), 220-233. ISSN: 2227-4324.
45. Seema Mehra, Common Fixed Points of Weakly Compatible Mappings in \square -Chainable Intuitionistic Fuzzy Metric Spaces, *International Journal of Engineering and Technology*, 2012, 1 (1) , 14-25. ISSN: 2227-524X.
46. Seema Mehra, Common Fixed Point Theorem in Sequentially Compact Intuitionistic Fuzzy Metric Spaces under Implicit Relations, *International Journal of Computer Applications* , 2012,55(15), 18- 25. ISSN:0975 – 8887.
47. Seema Mehra, Renu Chugh and Anju Rani, Generalized E-metric Spaces and Fixed Points, *Global Journal of Theoretical and Applied Mathematics Sciences*, 2012, 2(3), 151-156. ISSN : 2248-9916.
48. Seema Mehra and Renu Chugh, Semi-compatibility in Non-Archimedean Fuzzy Metric spaces, *International Journal of Computer Applications* (0975 – 8887), 2012, 41(8), 12-17. ISSN 0975 – 8887.
49. Seema Mehra and Renu Chugh, Fixed point theorems in fuzzy metric spaces through weakcompatibility, **Scientific studies and Research series and informatics**, 2012, 22(1), 31-40. ISSN 2067-3056
50. Renu Chugh and Seema Mehra, On the Theory of Intuitionistic Fuzzy N-Inner Product Spaces with Applications, **Journal of Mathematics and Statistics**, 2012, 8 (2), 198-210.ISSN(P): 1549-3644, ISSN(O): 1558-6359.
51. Anju Rani and Seema Mehra, Common Fixed Point Theorem for Compatible Mappings Satisfying General Contractive Type Conditions in Intuitionistic Fuzzy Metric Spaces, **International Review of Applied Engineering Research** (IRAER), 2011, 1(3), 201-209.ISSN: 2248-9967.
52. Anju Rani , Seema Mehra, Savita Rathee, Common fixed point theorem for Rweakly commutativity of type (Ag) satisfying general contractive type condition, **International Journal of Applied Engineering Research**, Dindigul,2011,1(4), 830-839.ISSN: 0976-4259.
53. Seema Mehra and Renu Chugh, Semi-Compatible Maps in a Non-Archimedean Generalized Fuzzy Metric Space, **Global Journal of Mathematical Sciences: Theory and Practical** (GJMS),2010,2(1-2), 75-82.ISSN: 0974-3200.
54. Anju Rani , Renu Chugh and Seema Mehra, Fixed Points of Absorbing Maps in Fuzzy Metric Space, **International Mathematical Forum**, 4, 2009, no. 32, 1591 - 1601.ISSN:1314-7536.
55. Seema Mehra and Meenakshi Gugnani, A common fixed point for six mappings in an intruitionisti M-fuzzy metric space. **Indian Journal of Mathematics**, Vol. 51 No. 1, (2009) 23-47.ISSN: 0019-5324.
56. Renu Chugh and Seema Mehra, Fixed points in intuitionistic generalized fuzzy metric spaces, **Journal of Fuzzy Mathematics**,2009,15(4),931.ISSN: 1066-8950
57. Seema Mehra and Renu Chugh, Fixed Points in Intuitionistic Generalized Fuzzy Metric Space Through Semi-compatibility, **Journal of the Indian Math. Soc.** , 2008,75(1 - 4), 105-124.ISSN(P) : 0019-5839, ISSN(O): 2455-6475
58. Renu Chugh, Seema Mehra and Meenakshi Gugnani, Round Intuitionistic Fuzzy Metric Spaces, **Advances in Fuzzy Mathematics** (AFM),2007,2(1-2). ISSN(P) :0973-533X, ISSN(O): 0974-0201.
59. Renu Chugh and Seema Mehra, On the Existence of a Fixed Point for Mutually Contractive Self-Mappings in Intuitionistic Generalized Fuzzy Metric Spaces, **International Mathematical Forum**,2007,2(58), 2875 - 2888. ISSN:1314-7536.

Papers in the Proceedings of the Conferences

1. Neeraj Kumar and Seema Mehra “On Common Fixed-Point for Weakly Compatible Mapping using (CLR) Property on Quasi-Partial Metric Space Endowed with a Graph” in 2023 2nd International

Conference on Computational Modelling, Simulation and Optimization (ICCMO) held in Bali, Indonesia, 23-25 June 2023, Organized by Innovative Research Foundation (IRF) ISBN : 979-8-3503-2666-6/23/\$31.00 ©2023 IEEE DOI 10.1109/ICCMO59960.2023.00026

2. Manjeet Singh and Seema Mehra “Survey on Intuitionistic Fuzzy Graph” in International Conference on “Innovative Trends in Computing Technology & Mathematica” held on Mar. 14, 2015, organized by Department of Computer Science & Engineering and Mathematics, Delhi Institute of Technology & Management Sonapat. ISBN : 978-81-929035-0-7.
3. Said Broumi, Mohamed Talea, Assia Bakali, Florentin Smarandache, Seema Mehra and Manjeet Singh, Strong Degrees in Singlevalued Neutrosophic Graphs, Future of Information and Communication Conference (FICC) 2018: **Advances in Information and Communication Networks**, 221-238. ISBN: 978-1-5386-2056-4/18/\$31.00©2018 IEEE.
4. Seema Mehra, “ Common Fixed Point Theorems for Generalized Fuzzy Homotopic Mappings in Q-Fuzzy Metric Space" in International Conference on " **International Conference On Applied Analysis And Mathematical Modeling**, (ICAAMM-2018)" jointly organized by Istanbul Gelisim University, Putra University, Malaysia and Malaysian Mathematical Sciences Society on 20-24 June 2018 in ISTANBUL, TURKEY. ISBN: 978-9944-5868-8-7.
5. Seema Mehra and Anuradha, Fixed point results for multivalued mappings in triangular fuzzy metric space, 4th International Conference on "Computational Mathematics and Engineering Sciences, (CMES-2019) on April 20-22, 2019 in Antalya, Turkey. ISBN:77733.

Conference/Seminar/ Workshop Attended:

1. Attended and presented a paper entitled “Development in Fuzzy Set Theory-A Historical Review” in National Conference on History of Mathematics and Recent Developments, Department of Mathematics, M. D. University, Rohtak during December 20-22, 2006.
2. Attended International Conference Operator Theory and Related Areas, Department of Mathematics, University of Delhi, Delhi during January 9-12,2008.
3. Attended and presented a Paper entitled “ Absorbing maps in Intuitionistic fuzzy metric spaces” in International Conference on Recent Trends in Mathematics and its Applications(ICRTMA-09) on March 30-31, 2009 held at Jamia Millia Islamia.
4. Attended and presented a paper entitled “ An Extension of Banach Contraction Principle Intuitionistic Fuzzy Normed spaces” in **International Conference on Mathematics and Soft Computing (Applications in Engineering)** NC College of Engineering , Israna (Panipat), 4-5 December 2010.
5. Attended and presented a paper entitled “On Fixed and Coincidence Points under Contractive Mappings in Non-Archimedean Fuzzy Metric Spaces” in International Colloquium on History of Mathematical Sciences and Symposium on Nonlinear Analysis from May 16-19,2011.
6. Attended and presented a paper entitled “Common Fixed Point Theorem in Fuzzy Metric Space” in National Seminar on Recent developments in Mathematics and its Applications held on Feb 3, 2012 in Govt. Post Graduate College, sector 9, Gurgron(HR).
7. Attended and presented a paper entitled “Coupled Fixed Point of Weakly Compatible Mappings in Fuzzy Metric Spaces” in National Conference on Spectrum of Information Technology Developments at India’s Perspective SIT@IP-2012 held on Feb 17-18, 2012 in Baba Budha College, Bir Sahib, Tarntaran.
8. Attended and presented a paper entitled “The Quadruple Fixed Point in Fuzzy Metric Spaces” in National Seminar on Applications of Mathematics in Engineering Sciences held on March 17, 2012 in NC College of Engineering , Israna (Panipat).

9. Attended and presented a paper entitled “Fixed Points of Weakly Compatible Maps in Intuitionistic Generalized Fuzzy Metric Spaces” in National Seminar on Mathematics and its Applications held on March 27-28, 2012 in Vaish College, Rohtak.
10. Attended and presented a paper entitled “Fuzzy Metric Spaces and Common Coupled Fixed Point Theorems of Contractive Mappings” in International Conference on History and Development of Mathematical Sciences and Symposium of Nonlinear Analysis, Department of Mathematics, M.D.U. Rohtak during Nov. 21-24, 2012
11. Attended and presented a paper entitled “New Construction of 1-Edge Magic Labeling for Some Classes of Graphs” in National Conference on Advances in Mathematical Sciences & their Applications, Department of Mathematics, Hindu Girls College, Sonapat & The Global Society of Mathematical & Allied Sciences during Mar. 28-30, 2014.
12. Attended and presented a paper entitled “Forth Domination Numbers as Regular Graphs” in National Seminar on Application & Role of Mathematics in Engineering & Social Sciences, BLJS College, Tosham during Mar. 26-27, 2014.
13. Attended and presented a paper entitled “Survey on Intuitionistic Fuzzy Graph” in International Conference on Innovative Trends in Computing Technology & Mathematica, Delhi Institute of Technology & Management Sonipat, Haryana during Mar. 14, 2015.
14. Acted as a **member of the organising team** of the Blood Donation Camp & Eye Donation Pledge Camp organized by the Department of Mathematics, Maharshi Dayanand University, Rohtak on Sept. 16, 2015 in Department of Mathematics, Maharshi Dayanand University, Rohtak.
15. Acted as **secretary** in the National workshop on “Communication and Soft Skills”, financed out of Dr Radha Krishnan Foundation Fund, Maharshi Dayanand University, Rohtak, Oct 16, 2015.
16. Attended National workshop as **member of organization team** on “All India Survey on Higher Education Cell”, Maharshi Dayanand University, Rohtak, Nov 20, 2015.
17. Attended a workshop on “Sexual Harassment and Violence against Women at Workplace” held on Feb. 10, 2016 Maharshi Dayanand University, Rohtak.
18. Acted as **secretary** a one day workshop on "Mathematics : Recent Developments and Scope" in the Department of Mathematics, M.D.U., Rohtak on October 21, 2016 out of Radha Krishnan fund of University.
19. Acted as **secretary** in a national seminar on Recent Developments in Mathematical Sciences (NRDMS-2017) from March 07-08, 2017 sponsored by UGC(SAP).
20. Awarded as **Guest of Honour in the** workshop on “Gender Sensitization and Women Safety at Workplace” organized by SCSHW, Maharshi Dayanand University, Rohtak, Feb. 09-10, 2016.
21. Attended and presented a paper entitled, “Common Fixed Point of Semi Weakly Compatible Mappings in Generalized M-Fuzzy 2 Metric Space” in international conference on Mathematics and Applications, at Ramjas College, University of Delhi, April 26-28, 2017.
22. Attended a national workshop on “E-Governance in India: Issues and Challenges”, conducted by Department of Public Administration, Maharshi Dayanand University, Rohtak, October 05, 2016.
23. Attended a “One-day Author Workshop” conducted by Vivekaanda Library in

- association with Elsevier at Radhakrishnan Auditorium, Maharshi Dayanand University, Rohtak, November 18, 2016.
24. Attended a workshop on “All India Survey on Higher Education”, conducted by AISHE cell of Maharshi Dayanand University, Rohtak, March 17, 2017.
 25. Attended and presented a paper entitled “ Fixed Point Theorem in Intuitionistic Fuzzy 3- Metric Space Through Weak Compatibilty” in National Conference on "Mathematics and its Applications in Science & Technology" organized by Department of Mathematics, GJUS & T, Hisar, Nov., 09-10, 2016.
 26. Attended and presented a paper entitled, "Intuitionistic Fuzzy Signed Graphs of Second Type" in 21st International Conference of International Academy of Physical Sciences (CONIAPS XXI) on “Symbiotic Development of Mathematical, Physical, Chemical & Computational Sciences” & Symposium on “Recent Advances and Future Directions on Mathematics in Bio-Sciences” organized by Department of Mathematics, GJUS & T, Hisar , on October 28-30, 2017.
 27. Attended and presented a paper entitled, “ **Common Fixed Point Theorems for Compatible Mappings of Type A-1 and Type A-2 in** Intuitionistic Fuzzy Metric Space" in International Conference on "Recent Advances in Mathematics(ICRAM-2018)" organized by "Department of Mathematics" on February 17-18, 2018 in Aggarwal College Ballabgarh, Faridabad(Haryana),India.
 28. Attended and presented a paper entitled, “ Common Fixed Point Theorems for Generalized Fuzzy Homotopic Mappings in Q-Fuzzy Metric Space" in International Conference on " International Conference On Applied Analysis And Mathematical Modeling, (ICAAMM-2018)" jointly organized by Istanbul Gelisim University, Putra University, Malaysia and Malaysian Mathematical Sciences Society on 20-24 June 2018 in ISTANBUL, TURKEY
 29. Attended and presented a paper entitled, “ **Weak Compatible mappings in** Intuitionistic Fuzzy 3- Metric Space" in International Conference on "Modern Research in Physical, Chemical Science, Mathematics, Statistics and Emerging Energy Technology(PCMSET-2018)" organized by "Krishi Sanskriti" on September 09, 2018 in Jawaharlal Nehru University, New Delhi.
 30. Member of the Organising team, Workshop on Women Safety and Gender Sensitive Issues at Workplace organized by Committee to Check Menace of Sexual Harassment and Violence Against Women at Workplace(SCSHVW), M.D.University, Rohtak held on February 07, 2019.
 31. Attended an International Workshop on Intellectual Property Rights organized by Centre for Medical Biotechnology in collaboration with IPR Cell, M.D.University, Rohtak held on February 11, 2019.
 32. Attended and presented a paper entitled, “ **Fixed Point Results For Multivalued Mappings In Triangular Fuzzy Metric Spaces"** in 4th International Conference on "Computational Mathematics and Engineering Sciences, (CMES-2019) on April 20-22, 2019 in Antalya, Turkey.
 33. Attended a Workshop on Publishing in Academic Journals: An Authors Workshop organized by Vivekananda Library, Dept. of Library & Information Science, M.D.University, Rohtak and Taylor & Francis Group held on September 16, 2019.
 34. Acted as Judge/ Member organizing committee in Painting/ Poster Making/Mehandi Competition/Slogan Writing Competition/ Blood Donation

- Camp/Eye Donation Pledge Camp held on September 16, 2019 at the Department of Mathematics, MDU, Rohtak.
35. Member organizing committee in Mathematics Enrichment Programme held on September 27, 2019 at the Department of Mathematics, MDU, Rohtak.
 36. Member organizing committee in Swachhta Hi Sewa Programme held on September 27-Oct. 02, 2019 at the Department of Mathematics, MDU, Rohtak.
 37. Member organizing committee in Mathematics Premiere League(Season-I) held on October 12-13, 2019 at the Department of Mathematics, MDU, Rohtak.
 38. Attended two days National Seminar on Data Analysis Using Software(R & SPSS) organized by Department of Statistics, M.D.University, Rohtak held on October 17-18, 2019.
 39. Attended and presented a paper entitled, "**On Neutrosophic Labeling Graphs**" in National Conference on "Recent Developments in Mathematical Modeling and Fuzziology-III(M² FZY-III)" organized by Mathematics Division of University Institute of Sciences, Chandigarh University, held on November 13, 2019 at Chandigarh University, Gharuan, Mohali.
 40. Attended Indian Workshop on Applied Deep Learning (IWADL 2019) organized by Birla Institute of Technology & Science, Pilani, Department of Computer Science and Information Systems,Pilani Campus, Jhunjhunu-333031, Rajasthan held on December 15-18, 2019.
 41. Attended and presented a paper entitled, "**Coupled Coincidence and Coupled Fixed Point Results in Extended Fuzzy Metric Space Endowed with Directed Graph**" in National Seminar on " Mathematical Sciences and Applications" organized by Department of Mathematics,Mahrashi Dayanand University,Rohtak held on December 22, 2019.
 42. Member of Organizing Committee in Under Graduate Level Mathematics Quiz Contest to celebrate National Mathematics Day on December 21-22, 2019, sponsored by HSCST and Dean Students Welfare Office, organized by Department of Mathematics, Mahrashi Dayanand University,Rohtak.
 43. Member of Organizing Committee in National Seminar on " Mathematical Sciences and Applications" organized by Department of Mathematics,Mahrashi Dayanand University,Rohtak held on December 22, 2019.
 44. Attended and Co-chaired a session in National Seminar on " Mathematical Sciences and Applications" organized by Department of Mathematics,Mahrashi Dayanand University,Rohtak held on December 22, 2019.
 45. Member of Organizing Committee in Exhibition of Posters/ Models/ Post Graduate Level Mathematics Quiz Competition to celebrate National Science Day organized by Department of Mathematics, Mahrashi Dayanand University,Rohtak held on February 28, 2020.
 46. Coordinator, e-Milan Samaroh on Mathematics in COVID-19 held on May 02,2020 on the MDU Virtual Platform organized by Department of Mathematics, Mahrashi Dayanand University,Rohtak.
 47. Participated in Two Days International Workshop(Online) "Rejuvenation through Yoga during COVID" organized by Department of Physical Education on 1st-2nd June 2020.

48. Participated in One Week Online Workshop on Recent Trends in Domination in Graphs: Algorithms, Complexity and Applications(WRTDG 2020), organized by Department Of Computer Science And Engineering In Association With Centre For Continuing Education, National Institute of Technology Warangal from 15th-19th June,2020.
49. Participated in Six Day National Webinar Series on Applications of Mathematics, conducted by Department of Mathematics KPRIET held from 06-07-2020 to 11-07-2020.
50. Participated in 5 Days National online Workshop on ONLINE PLATFORM FOR TEACHING AND RESEARCH, organized by University Library, The Tamilnadu Dr. Ambedkar Law University, Chennai-600113 held from 20-07-2020 to 24-07-2020.