

### **Conferences/Seminars Attended and Special Lectures Delivered**

1. All India Level Summer Institute in Algebra at Ramanujan Institute for Advanced Study in Mathematics from May 8 to June 15, 1972.
2. All India Level Summer Institute in Analysis at Ramanujan Institute for Advanced Study in Mathematics during May 2-31, 1973.
3. Workshop in Geometry at Madurai Kamaraj University from May 12 to June 17, 1975.
4. Workshop in Analysis and Applications at Madurai Kamaraj University from May 3 to June 5, 1976.
5. Summer Institute in Topics in Number Theory at Madurai Kamaraj University from May 7 to June 2, 1979.
6. Summer Institute in Functional Analysis and Applications at Madurai Kamaraj University from May 25 to June 20, 1981.
7. All India Summer Institute on Probability and Stochastic Process at Annamalai University from November 26 to December 26, 1981.
8. Lectures on *Graph Theory* at G.V.N. College, Kovilpatti during January 9-15, 1982.
9. 48<sup>th</sup> Annual Conference of the Indian Mathematical Society at Bahalpur University during December 26-28, 1982.
10. 49<sup>th</sup> Annual Conference of the Indian Mathematical Society at I.I.T., Madras during December 26-28, 1983.
11. All India Summer Institute on Number Theory at Ramanujan Institute for Advanced Study in Mathematics from May 28 to June 26, 1984.
12. Certificate Course in Computer Systems and Programming Languages at Tamil University, Thanjavur during March 1-28, 1985.
13. First Annual Conference of the Ramanujan Mathematical Society at Karanataka University, Dharwad during June 5-27, 1986.
14. Course on Mathematical Structures in Computer Science and Data Structure at I.I.T., Delhi during December 2-20, 1986.
15. Fourth Annual conference of the Ramanujan Mathematical Society at Alagappa University, Karaikudi during May 20-22, 1989.
16. Lectures on *Functional Analysis* at the U.G.C. Sponsored Refresher Course on Functional Analysis and Applications at St. Joseph's College, Trichy during May 23-27, 1989.
17. National Seminar on Current Trends in Graph Theory and Its Applications at Annamalai University during February 21-28, 1990.
18. Symposium on Trends in Algebra and Topology at Madurai Kamaraj University during December 18-22, 1991.
19. Invited talk on *Applications of Algebra to Graph Theory* in the National Seminar on Algebra and Applications at Ramanujan Institute for Advanced Study in Mathematics during January 27-29, 1992.

20. Invited talk on *Topological Projective Planes* in the Symposium on Algebra and Topology at Madurai Kamaraj University during December 18-22, 1992.
21. National Seminar on Graph Theory and Its Application at Annamalai University during January 5-7, 1993.
22. Invited talk on *Matrix Algebra* in the First Refresher Course in Mathematics at Bharathidasan University, Trichy during December 14-16, 1993.
23. One-day Seminar on Mathematical Methods and Applications at I.I.T., Madras on December 22, 1993.
24. Invited talk on *Domination in Graphs* in the One-day Seminar on Recent Trends in Mathematics at Loyola College, Madras on February 25, 1994.
25. Invited talk on *Bipartite Graphoidal Graphs* in the National Workshop on Graph Theory and Its Applications held at Manipal Institute of Technology during April 4-11, 1994.
26. National Seminar on Pedagogic Mathematics organized by the Calcutta Mathematical Society, Calcutta during September 6-8, 1994.
27. Invited talk on *Functions of Several Variables* in the Third Refresher Course in Mathematics at Bharathidasan University, Trichy during October 2-4, 1994.
28. Invited talk on *Graph Theory and Its Applications* in the Fourth Refresher Course in Mathematics at Bharathidasan University, Trichy from November 14, 1994 to December 15, 1994.
29. Invited talk on *Partially Ordered Sets and Graphs* in the Fourth Ramanujan Symposium on Algebra and Its Applications at Ramanujan Institute for Advanced Study in Mathematics during February 1-3, 1995.
30. Invited talk on *Graph Labelling Problems* in the One-day Seminar on Recent Trends in Graph Theory and Its Applications at Loyola College, Madras on March 3, 1995.
31. Popular lecture on *Domination in Graphs* organized by the School of Mathematics, Madurai Kamaraj University on March 11, 1995.
32. Tenth Annual Conference of the Ramanujan Mathematical Society at P.T.L.M.S. Government College, Rishikesh during May 25-27, 1995.
33. Invited talk on *Decompositions into Minimum Path Covers and Difference Labelings of Graphs* in the International Conference on Number Theory and Discrete Mathematics held at Trichy during January 3-6, 1996.
34. Special lecture on *Graphoidal Covers and Graphoidal Graphs* in the National workshop on Graph Theory and its Applications at Manonmaniam Sundaranar University, Tirunelveli during February 21-27, 1996.
35. Invited talk on *Randomly Packable Graphs* in the One-day Seminar on Graph Theory and its Application held at MEPCO Schlenk Engineering College on July 20, 1996.
36. Invited talk on *Applications of Graph Theory to Real Life Problems* in the National Seminar on Mathematical Modeling and Computer Simulation for Real Life Situations held at St. Xavier's College, Palayamkottai during August 27-29, 1996.

37. Invited talk on *Domination Parameters of Graphs* in the refresher course for College Teachers held at Madurai Kamaraj University during September 13-14, 1996.
38. Invited talk on *Applications of Graph Theory* in the Two-day Seminar on Recent Developments and Applications in Mathematics held at Seethalakshmi Ramasamy College, Trichy during January 24-25, 1997.
39. Invited talk on *Graphoidal Covers of a Graph and its Applications* in the Two-day Seminar on Mathematical Modelling held at St. Joseph's College, Trichy during January 30-31, 1997.
40. Lectures on *Graph Theory* in the UGC sponsored Refresher Course for College Teachers at S.B.College, Chenganacherry, Kerala from February 27, 1997 to March 1, 1997.
41. Invited talk on *Graphoidal Covering Number of a Graph* in the National Seminar on Graph Theory and its Applications at University of Bombay, Mumbai during April 23-25, 1997.
42. Twelfth Annual Conference of the Ramanujan Mathematical Society at JNN College, Shimoga during May 22-24, 1997.
43. Conference on Fuzzy sets and their Applications at I.I.T., Chennai during June 9-10, 1997.
44. Invited talk on *Tree t-spanners* in the National Seminar on Combinatorial Mathematics and its Applications at Karantak University, Belgaum Campus, Belgaum during September 25-27, 1997.
45. Invited talk on *Graphoidal Graphs* in the International Seminar on Discrete Mathematics and Related Topics organized by Academic Forum at New Delhi during November 10-13, 1997.
46. Lead talk on *Graphoidal Covers of a graph* in the Project Monitoring Committee meeting of Department of Science and Technology at University of Mysore during December 1-5, 1997.
47. Lectures on *Domination parameters of a Graph* in the UGC sponsored Refresher Course for College Teachers at Mahatma Gandhi University, Kottayam during January 19-20, 1998.
48. Invited talk on *Three domination related Parameters of a Graph* in the National Seminar on Graph Connections at Cochin University of Science and Technology, Cochin during January 28-31, 1998.
49. Invited talk on *Applications of Graph Theory* in the Department of Mathematics, Bangalore University, Bangalore on February 11, 1998.
50. Invited talk on *Graph Coloring Problems and Algorithms* at Karnatak University, Belgaum Campus, Belgaum during February 12-13, 1998.
51. Lecture on *Number Theory and Graph Theory* in the UGC sponsored Refresher Course for College Teachers at Pondicherry University on March 9, 1998.
52. Lectures on *Applications of Graph Theory to Chemistry and Social Sciences* in the UGC sponsored Refresher Course for College Teachers at Bharathidasan University, Trichy during March 20-21, 1998.
53. Lectures on *Applications of Graph Theory* in the UGC sponsored Refresher Course for College Teachers at Mahatma Gandhi University Kottayam during March 27-28, 1998.
54. Lectures on *Applications of Graph Theory* in the UGC sponsored Refresher Course for College Teacher at Bharathiar University, Coimbatore during July 30-31, 1998.

55. Invited talk in the One-day Workshop on Intelligence Quotient, Mepco Schlenk Engineering College, Sivakasi, October 15, 1998.
56. Invited talk in *Equality of Edge Domination Parameters in Graph* in the International Conference on Combinatorics, Statistics Pattern Recognition and related areas at University of Mysore during December 28-30, 1998.
57. UGC South Zone Workshop on Mathematics at Bangalore University during May 17-20, 1999.
58. Lectures on *Graph Theory* in the UGC sponsored refresher course at Mahatma Gandhi University, Kottayam during April 16-17, 1999.
59. D.S.T Sponsored Group Monitoring Workshop on Mathematical Sciences, University of Pune, September 2, 1999.
60. Invited talk on *Recent Developments in Graph Theory* in the UGC sponsored refresher course at University of Kerala, Thiruvananthapuram, January 11, 2000.
61. Invited talk on *Equivalent Formulations of Four Color Theorem* in the Annual conference of Kerala Mathematical Association, January 19, 2000.
62. National Seminar on "Examination reforms in Tamil Nadu Universities", Mother Teresa Women's University, Kodaikanal, March 21, 2000.
63. D.S.T Sponsored Project Review Committee meeting on "Semigraphs and their Applications", at University of Mysore, Mysore, May 24-30, 2000.
64. Invited talk on *A Generalisation of Edge Chromate number using acyclic graphoidal covers* in the Ninth Quadrennial International Conference on Graph Theory, Combinatorics, Algorithms and Applications at Western Michigan University, Kalamazoo, USA during June 4-9, 2000.
65. Invited talk on *Randomly Packable Graphs – A survey*, in the National Conference on Graph Theory and its Applications at Anna University, Chennai during March 14-16, 2001.
66. Invited talk on *Number Theory in Graphs* in the National Conference on Number Theory and its Applications at Sri Venkateswara University, Tirupathi during March 22-24, 2001.
67. Invited talk on *Applications of Graph Theory to Social Science* in R. Balakrishnan Endowment lectures at Annamalai University, Annamalainagar on March 02, 2001.
68. Invited talk on *Applications of Graph Theory to Social Sciences* in the One-day Seminar on Applications of Mathematics and Statistics at Madurai Kamaraj University, Madurai on March 16, 2001.
69. Invited talk on *Equivalent Formulations of Four Color Theorem – Ramanujan Endowment Lecture* at Alagappa University, Karaikudi on May 08, 2001.
70. National Seminar on "Technology Enabled flexible education and Development" at Punjab University, Chandigarh, December 5-8, 2001.
71. Invited talk on *Applications of Graph Theory* in the One-day seminar on Applications of Mathematics at Vivekananda College, Tiruvedagam West, Madurai, January 22, 2002.

72. Invited talk on *Applications of Graph Theory* in the State level Conference on "Challenges in Research and Teaching of Mathematics" at Stella Mary's College, Chennai, 31<sup>st</sup> January and 1<sup>st</sup> February 2002.
73. Invited talk on *Cayley Graphs* in the State level Conference on Applications of Mathematics at G.V. College for Women, Udumalpet, 2<sup>nd</sup> February 2002.
74. Invited talk on *Graph Algorithms and NP-Complete Problems* in the UGC sponsored Refresher Course, Holy Cross College, Nagercoil, November 5-6, 2001.
75. Invited talk on *Graph Theory and its Applications* as a UGC visiting fellow at Sri Padmavathi Mahila Vidyalaya, Tirupathi, February 25- March 2, 2002.
76. Invited talk on *Asteroidal sets in Graphs* in the National Conference on Algebra and Discrete Mathematics" at University of Kerala, Thiruvananthapuram, October 23-25, 2002.
77. Invited talk on *Measure Theory* in the UGC sponsored refresher course at Holy Cross College, Nagercoil, November 11, 2002.
78. Presented a paper on *Asteroidal Chromatic Number of a Graph* in the R.C.Bose Centenary Symposium on Number Theory and Discrete Mathematics, Indian Statistical Institute , Kolkata, December 19-23, 2002.
79. Invited talk on *Path decompositions of a graph- A survey* in the National Seminar on Discrete Mathematics and its Applications and Annual Conference of Kerala Mathematical Association, January 9-11, 2003.
80. Gave three lectures on Trees and its Applications in the Instructional and institutional programme on Discrete Mathematics, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai, February 6-8, 2003.
81. Invited talk on *Asteroidal sets-Algorithmic Aspects* in Seminar in Mathematics at Cochin University of Science and Technology on May 30 and 31, 2003.
82. Guest Lecture on *Cayley Graphs and its Applications to parallel Computing* on 27-9-2003 at SFR College, Sivakasi under the Virudhunagar District cluster College Joint faculty Programme.
83. Invited talk on *Sports Psychology* in the Asia-specific International Conference for sports Administrators at Kanyakumari on 28-9-2003, organized by the Department of Physical Education and Sports, Manonmaniam Sundaranar University, Tirunelveli.
84. Popular Lecture on *Applications of Graph Theory* at Arulmigu Kalasalingam College of Arts and Science, September 11, 2003.
85. Invited talk on *Fractional Graph Theory* in the Research Oriented Lecture Series in Mathematics at Manonmaniam Sundaranar University, Tirunelveli, September 13, 2003.
86. Invited talk on *Fractional Domination* in the Research Oriented Lecture Series in Mathematics at Manonmaniam Sundaranar University, Tirunelveli, October 11, 2003.

87. Invited talk on *Fractional Graph Theory* in the UGC Sponsored Refresher Course in Mathematics for College Teachers at Bharathiar University, Coimbatore on October 17 and 18, 2003.
88. Invited talk on *Fractional Graph Theory* in the UGC Sponsored Refresher Course in Mathematics for College Teachers at Ayya Nadar Janaki Ammal College, Sivakasi on November 1 and 3, 2003.
89. Invited talk on *Fractional Colorings* in the Research Oriented Lecture Series in Mathematics at Manonmaniam Sundaranar University, Tirunelveli, November 8, 2003.
90. Invited talk on *Fractional Graph Theory* in the UGC Sponsored Refresher Course in Mathematics for College Teachers at Holy Cross College, Nagercoil on November 17, 2003.
91. Invited talk on *Fractional Isomorphism* in the Research Oriented Lecture Series in Mathematics at Manonmaniam Sundaranar University, Tirunelveli, on December 13, 2003.
92. Invited talk on *Research Methodology* organized by ISTE-AKCE CHAPTER at Arulmigu Kalasalingam College of Engineering, Krishnankoil, on January 1, 2004
93. Invited talk on *Matroid Theory* in the Research Oriented Lecture Series in Mathematics at Manonmaniam Sundaranar University, Tirunelveli, January 10, 2004.
94. Invited talk on *Improving the quality of teaching calculus* in the International conference on Teaching of Calculus at University of Kerala, Thiruvananthapuram, January 12-14, 2004.
95. Invited talk on *Rational approach to Graph Theory* in the National Seminar on Graph Theory and Applications at Government College, Kottayam, Kerala, February 19 and 20, 2004.
96. Invited talk on *Graph Theory and its Applications* in the UGC sponsored Refresher Course, University of Kerala, Thiruvananthapuram, February 20-21, 2004.
97. Invited talk on *Fractional Graph Theory* in the Seminar on Recent Trends in Graph Theory at School of Mathematics, Madurai Kamaraj University, March 5, 2004.
98. Invited talk on *Fractional Graph Theory* in the National Seminar on Recent Trends and Applications of Mathematics in Engineering at Mepco Schlenk Engineering College, Sivakasi, March 6, 2004.
99. Invited talk on *Graph Theory and Computers* in the National Seminar on Interdependence of Mathematics and Computer Science at Fatima College, Madurai, March 11, 2004.
100. Invited talk on *Interconnection Networks and Parallel Computing* in the UGC Sponsored State Level Conference on Graph Theory and its Applications at Lady Doak College, Madurai, August 2-3, 2004.
101. Invited talk on *Cayley Graphs* at VVV College, Virudhunagar, August 9, 2004.
102. Invited talk on *Partially ordered sets and Graphs* in the UGC Sponsored state level seminar on Topics in algebra at RDM College Sivagangai, 15-October, 2004.
103. Invited talk on *Domination chain in graphs* in the DST Sponsored Group discussion on Domination in Discrete structures at EMG Yadhava womens college, Madurai, November 14-16, 2004.

104. Invited talk on *Basic dominating functions* in the National Conference on Graphs, Combinatorics, Algorithms and Applications at Arulmigu Kalasalingam College of Engineering, Krishnankoil during November 25-29, 2004.
105. Invited talk on *Cayley graphs and interconnection Networks* in the UGC Sponsored refresher course organized by Academic staff college, University of Pune at New Arts Commerce and Science college at Ahmednagar during December 2-4, 2004.
106. Lectures on *Applications of Graph theory to Interconnection Network and Parallel computing* in the ISTE-Sponsored Short term training programme at Algorithms and Applications at Arulmigu Kalasalingam College of Engineering, Krishnankoil during December 06-12, 2004.
107. Invited talk on *Research Methodology* in the ISTE-Sponsored Short term training programme on Research methods in Business at Arulmigu Kalasalingam College of Engineering, Krishnankoil, 08- December 2004.
108. Invited talk on *Intersection Graphs* in One day Seminar on Discrete and Stochastic Structures at Alagappa University, Karaikudi on December 20, 2004.
109. Invited talk on *Independence Saturation and Knockout number of a Graph* in the National Conference on The Emerging Trends in Pure and Applied Mathematics at St. Xavier's College, Palayamkottai, Tirunelveli during January 27-29, 2005.
110. Invited talk on *Convexity Graphs* in Brainstorming Session on Product Graphs and their Applications at Bishop Heber College, Tiruchirappalli during February 21-22, 2005.
111. Invited talk on *Applications of Graph Theory to Parallel Computing* at Marthoma College, Kerala on February 28, 2005.
112. Invited talk on *Applications of Graph Theory to Parallel Computing* in The Annual Conference of Kerala Mathematical Society at Rajagiri College of Engineering, Cochin during March 11-13, 2005.
113. Invited talk on *Cayley Graphs* in the Ramanujan Memorial seminar at Annamalai University, Annamalai Nagar on 18<sup>th</sup> April, 2005.
114. Invited talk on *Quivers* in the National Conference on the Sprit, Culture and Relevance of Mathematics at Saraswathi Narayanan College, Madurai during May 27-28, 2005.
115. First Graph Theory day at Christ College, Bangalore on 10<sup>th</sup> June 2005.
116. Invited talk on *Signed graph and its Applications* in the UGC sponsored National Conference on Discrete Mathematics and Graph Theory at Sri Narayana College, Punalur during July 7-8, 2005.
117. Invited talk on *Dominating Functions* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Saraswathi Narayanan College, Madurai on August 13, 2005.
118. Invited talk on *Minimal Dominating Functions* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Alagappa University, Karaikudi on August 27, 2005.

119. Invited talk on *Universal Dominating Functions* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Arts and Science, Krishnankoil on September 10, 2005.
120. Invited talk on *Graphs and Partially Ordered Sets* in State Level Conference on Recent Development in Applied Mathematics at Jayaraj Annapackiam College for Women, Periyakulam on September 21, 2005.
121. Invited talk on *Singed Graphs and its Applications* in UGC (COSIP) sponsored state level seminar on Recent Development in Graph Theory at A . P. C. Mahalaxmi College for Women, Tuticorin on September 23 , 2005.
122. Invited talk on *Fractional Independent Functions* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Lady Doak College, Madurai on October 8, 2005.
123. Invited talk on *Domination related Functions in Graphs* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Alagappa University, Karaikudi on October 22, 2005.
124. Special lecture on *Analysis and Topology* at Christ College, Bangalore on November 10, 2005.
125. Invited talk on *Signed graph and Matrices* in DST sponsored Group Discussion on Signed Discrete Structures and Applications at Regional Institute of Education, Mysore during November 15-17, 2005.
126. Invited talk on *Simple Path Covers in a Graph* in 30<sup>th</sup> Australasian Conference on Combinatorial Mathematics and Combinatorial Computing at University of Queensland, Brisbane, Australia during December 5 – 9, 2005.
127. Invited talk on *Simple Path Covers in a Graph* and “Domination Related Functions in Graphs” at University of Malaya, Kula Lumpur on 12-12-2005.
128. Invited talk on *Domination Related Functions in Graphs* in Third National Conference on Mathematical and Computational Models at PSG College of Technology, Coimbatore on 15-12-2005.
129. International Conference on “Emerging Adaptive Systems and Technologies (EAST -2005) at Noorul Islam College of Engineering, Kumaracoil – 629 180, December 16-17, 2005.
130. Invited talk on *Graph theoretic techniques in Data Mining* in the UGC Sponsored National Conference on Mobile Computing and Data Mining, at EMG Yadava Women’s College, Madurai on 23<sup>rd</sup> December, 2005.
131. CARDMATH Core Project Formulation Meeting of DST at University of Mysore, Mysore during December 28-30, 2005.
132. Invited talk (Three lectures) on *Simple Path Covers in a Graph*, National Workshop on Decompositions of Graphs and Product Graphs, at Annamalai University, Annamalai Nagar during January 3-7, 2006.



133. Invited talk on *Sets of Permutations that Generate the Symmetric Group Pairwise*, DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Manonmaniam Sundaranar University Schaffter Hall, Tirunelveli on 21-01-2006.
134. Invited talk on *Graphs and Designs* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Engineering, Krishnankoil on 28-01-2006.
135. Invited talk on *Dominating Functions in Trees* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at K.L. N. College, Pottapalayam on 11-02-2006.
136. Invited talk on *Graph Algorithms and Designs* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Alagappa University, Karaikudi on 25-02-2006.
137. Invited talk on *Convexity of Minimal Dominating Functions of Trees- I* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Engineering, Krishnankoil on 11-03-2006.
138. Invited talk on *Convexity of Minimal Dominating Functions of Trees- II* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Engineering, Krishnankoil on 08-04-2006.
139. Invited talk on *Domination, Independence and Irredundance* in the Instructional Workshop on Applications of Graph Theory in Chemistry at Department of Mathematics, Karnatak University, Dharwad, Karnataka during 27<sup>th</sup> -31<sup>st</sup> March 2006.
140. Invited talk on "Domination in Fuzzy Graphs" in the National Seminar on Frontiers of Discrete and Fuzzy Mathematics at Department of Mathematics, S.B. College, Changanacherry, Kottayam, Kerala during 16<sup>th</sup> – 18<sup>th</sup> February, 2006.
141. Invited talk (Five Lectures) on "*Common Weight Decomposition Into Minimum Acyclic Graphoidal Covers*" in the *n*-CARDMATH Group Discussion on Labelings of Discrete Structures and Applications at Department of Mathematics, Mary Matha Arts and Science College, Mananthavady, Kerala during 19<sup>th</sup> – 28<sup>th</sup> April 2006.
142. Invited talk on *Some Conjectures on Path Decomposition of a Graph* in the National Seminar on Graph Theory and Algorithms at PESIT, Bangalore during 10<sup>th</sup> – 12<sup>th</sup> June 2006.
143. Invited talk on *Total Dominating Functions* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Engineering, Krishnankoil on 24-06-2006.
144. Invited talk on *Existence of Universal Minimal Total Dominating Functions* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Engineering, Krishnankoil on 08-07-2006.
145. Invited talk (Two lectures) on *Universal Minimal Total Dominating Function in a Graph* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Thiagarajar College, Madurai on 22-07-2006.

146. Invited talk on *Algebraic Structures* in the Two day workshop on Discrete Mathematics at Jamal Mohammed College, Tiruchirappalli on 23-07-2006.
147. Invited talk on *Domination Related Functions in Graphs* in the UGC sponsored State level conference on Recent Advancements in Graph Theory and its Applications held at SFR College, Sivakasi during 18<sup>th</sup> August 2006 to 19<sup>th</sup> August 2006.
148. Invited talk on *Convexity of Minimal Total Dominating Functions in Graphs* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Engineering, Krishnankoil on 12-08-2006.
149. Invited talk on *Universal Minimal Total Dominating Functions in Trees* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Engineering, Krishnankoil on 26-08-2006.
150. Invited talk on *Topological Projective Planes* in the Workshop on Geometry and Its Applications held at School of Mathematics, Madurai Kamaraj University, Madurai on 8<sup>th</sup> September 2006.
151. Invited talk on *Minimality and Convexity of Domination and Related Functions in Graphs* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Engineering, Krishnankoil on 09-09-2006.
152. Invited talk on *A Linear Algorithm for Universal Minimal Dominating Functions in Trees* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Engineering, Krishnankoil on 23-09-2006.
153. Invited talk on *Path Covers in a Graph* in the National Workshop on Graph Theory and Applications held at NERIST, Nirjuli, Itanagar, Arunachal Pradesh during 09<sup>th</sup> October to 14<sup>th</sup> October, 2006.
154. Invited talk on *Convexity of Minimal Dominating Functions and Universals in Graphs* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Engineering, Krishnankoil on 28-10-2006.
155. Invited talk on *Probability Theory* in the FDTP on Probability Theory and Random Process held at Sree Sowdambika College of Engineering, Aruppukottai during 06<sup>th</sup> November 2006 to 18<sup>th</sup> November 2006.
156. Invited talk on *Graph Theory and its Applications* in the UGC sponsored Refresher Course, University of Kerala, Thiruvananthapuram, November 20-21, 2006 .
157. Invited talk on *Maximal Irredundant Functions* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Engineering, Krishnankoil on 25-11-2006.
158. Invited talk on *p-norm fractional domination in graphs* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Arts and Science, Krishnankoil on 09-12-2006.
159. Invited talk on *Chromatic Edge Stability Number of a Graph* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Arulmigu Kalasalingam College of Engineering, Krishnankoil on 23-12-2006.

160. Invited talk on *Independent Domination and Graph Colorings* in the International Conference on Discrete Mathematics held at Indian Institute of Science, Bangalore during December 15-18, 2006.
161. Invited talk on *Fractional Coloring Parameters of a Graph* in the National Symposium on Combinatorics, Number Theory and Geometry held at University of Mumbai, Mumbai during January 15-20, 2007.
162. Invited talk on *Cayley graphs, Inerconnection Networks an Parallel Computing* in the National Seminar on Discrete Structures and Computer Applications held at PES Institute of Technology, Bangalore during January 18-19,2007.
163. Invited talk on *Fractional Hamiltonian Graphs* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Mannar Thirumalai Naickar College, Madurai on 27-01-2007.
164. Invited talk on *Fractional Hamiltonian Graphs-II* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Kalasalingam University, Krishnankoil on 10-02-2007.
165. Invited talk on *Domination Related Functions in Graphs* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at V.V. Vaniaperumal women College, Virudhunagar on 24-02-2007.
166. Invited talk on *Domination Related Functions in Graphs* in the 19<sup>th</sup> International Conference on The Jangjeon Mathematical Society held at Bangalore University, Bangalore during February 22-24, 2007.
167. Invited talk on *Domination Related Functions in Graphs* in the State Level workshop on Recent Developments in Graph Theory held at St. Xavier's College, Palayamkottai on 26<sup>th</sup> February 2007.
168. Invited talk on *Fractional Graph Theory* in International Conference on Mathematics and Computer Science held at Loyola College, Chennai during March 01-03, 2007.
169. Invited talk on *Fractional Graph Theory* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Alagappa University, Karaikudi on 11-03-2007.
170. Invited talk on *Some conjecture on Path Decomposition of a graph* in the National Conference on Analysis and Graph Theory held at Bharathidasan University, Trichy during March 9-10,2007.
171. Invited talk on *Basic Graph Theory* in the National conference on Combinatorics and Graph Theory held at Saurashtra University, Rajkot during March 10-12, 2007.
172. Invited talk on *Fractional Colorings* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Kalasalingam University, Krishnankoil on 24-03-2007.
173. Invited talk on *Graph Algorithms* in the Two Day National conference on Applications of Graph Theory held at R.V. College of Engineering, Bangalore during April 12-13, 2007.

174. Invited talk on *Path Covering Problems* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Kalasalingam University, Krishnankoil on 21-04-2007.
175. Invited talk on *Path Covering Problems-II* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at M.T.N. College, Madurai on 28-04-2007.
176. Invited talk on *Some Conjectures on Path Decomposition of a Graph* in Graph Theory Day III, International Conference on Recent Developments in Combinatorics and Graph held at Kalasalingam University, Krishnankoil during June 10-14, 2007.
177. Invited talk on *Generalized Wheland Polynomials* in the Second Indo-US Lecture Series on Discrete Mathematical Chemistry held at Mary Matha Arts and Science College, Mananthavady during June 20-25, 2007.
178. Invited talk on *Convexity of Minimal Total Dominating Functions in Graphs* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at S.N. College, Madurai on 04-08-2007.
179. Invited talk on *A Linear Algorithm for Universal Minimal Dominating Functions in Trees* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Kalasalingam University, Krishnankoil on 06-10-2007.
180. Invited talk on *Total Dominating Functions in Trees : Minimality and Convexity* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at S.F.R. College, Sivakasi on 13-10-2007.
181. Invited talk on *Convexity of Minimal Dominating Functions of Trees* in the DST sponsored Research Oriented Lecture Series in Mathematics and Applications to Engineering at Kalasalingam University, Krishnankoil on 03-11-2007.
182. Invited talk on *Perfect orderable Graphs* in the Group Discussion on Perfect Graphs and their Applications held at Regional Institute of Education, Mysore during November 15-24, 2007.
183. Invited talk on *Domination Chain and Fractional Parameters* in the National Conference on Algebra, Graph Theory and Their Applications held at Manonmaniam Sundaranar University, Tirunelveli during December 5-7, 2007.
184. Invited talk on *Finite Geometries* in the National Work Shop on Uniform Hyper Graphs and their Applications held at Sir CRR Institute of Mathematics, Sir CRR Autonomous College, Eluru-534007, AP during 30<sup>th</sup> January to 5<sup>th</sup> February , 2008.
185. Invited talk on *Domination in Graphs* in the DST sponsored National Workshop Some Recent Research Directions in Graph Theory held at Dept. of Mathematics, IIT, Kharagpur, during 26-30 May 2008.
186. Invited talk on *Neighborhood Connected and Neighborhood Total Domination in Graphs* in International Conference on Discrete Mathematics held at University of Mysore, Mysore during June 06-10, 2008.

187. Invited talk on *Labelings, Decompositions and Embedding Problem* in the National Seminar on Discrete Mathematics and its Applications held at Department of Mathematics St. Pauls College, Kalamassery during June August 07-09, 2008.
188. Guest lecture on *Domination and Graph Colorings* in Department of Mathematics, at Cochin University of Science and Technology, Cochin on August 07, 2008.
189. Invited talk on *Domination and Colorings*, in the International Conference on Graph Theory and its Applications at Amrita School of Engineering, Coimbatore during December 11-13, 2008.
190. V. Ramasamy Ayier Memorial Award Lecture on *Coloring and Domination in Graphs* in the 74<sup>th</sup> Annual Conference of Indian Mathematical Society at University of Allahabad, Allahabad during December 27-30, 2008.
191. Invited talk on *Fuzzy Graphs and Applications* in the National Conference on Fuzzy Theory and Applications at St. Xavier's College, Palayamkottai during January 22-24, 2009.
192. Invited talk on *Convexity Graphs* in the National Conference on Algebra, Graph Theory and their Applications at Manonmaniam Sundarnar University, Tirunelveli during February 04-06, 2009.
193. Invited talk on *Dom-Color number of a graph*, in the National Seminar on Discrete Mathematics and Applications at Ayya Nadar Janaki Ammal College, Sivakasi during 18<sup>th</sup> -19<sup>th</sup> March 2009.
194. Invited talk on Min-Max and Max-Min Graph Saturation Parameters, in the National Conference on Discrete Mathematics at Marthoma College, Tiruvalla, Kerala 23-25, March 2009
195. *Invited talk on Dom-Color number of a graph - Complexity Issues in the National Conference on Recent Trends in Applicable Mathematics for Engineering & Technology* at K.L.N.College of Engineering, Pottapalayam during 2<sup>nd</sup> and 3<sup>rd</sup> April 2009.
196. Invited talk on *Min-Max and Max-Min Graph Saturation Parameters* in the National Conference on Fuzzy Mathematics, Graph Theory and Applications at Mepco Schlenk Engineering College, Sivakasi during 17-18, April 2009.
197. Invited talk on *Fractional Domination in Graphs* in the Workshop on GraphTheory at University of Pune, Pune during 28<sup>th</sup> -29<sup>th</sup> April 2009.
198. Gave Ten Lectures on *Basic Graph Theory* in the Advanced Instructional School (AIS), an activity sponsored by the National Board for Higher Mathematics at Bhaskaracharya Pratishthan, Pune during 8<sup>th</sup> May – 15<sup>th</sup> May 2009.
199. Participated in the 20<sup>th</sup> International Workshop on Combinatorial Algorithms (IWOCOA 2009) at Hradec Nad Moravici, Czech Republic during June 28- July 2, 2009 and gave a talk on Equitable Domination in Graphs. He has also submitted the proposal for organizing this workshop at Kalasalingam University in 2012.
200. Participated in the 22<sup>nd</sup> British Combinatorial Conference (BCC 2009) at University of St. Andrews, St. Andrews, Scotland, UK during July 5-10, 2009 and delivered a talk on Maximal Independent sets in Minimum Colorings.

201. Invited talk on *Metric Dimension of a Graph* in the National seminar on Graph Theory, Networks and Algorithms at Sankara University, Kanchipuram during July 20-21, 2009.
202. Endowment Lecture on *Finite Groups and Cayley Graphs* at St. Joseph's College, Trichy on 9<sup>th</sup> October 2009.
203. Invited talk on "Component-Complete Sets in Graphs" in the India-Taiwan Conference on Discrete Mathematics at National Taiwan University, Taipei , Taiwan during November 9-12, 2009.
204. Invited talk on "Domination in Graphs" in the National Conference on Research Trends in Applications of Mathematics at UC College, Aluva during November 19-21, 2009.
205. Invited talk on "Algebra and its Applications" in the UGC sponsored National Seminar on Applications of Algebra and Number Theory at National College, Trichy during December 4-5, 2009.
206. *Invited talk on "Graph Colorings " in the Instructional Workshop on Graph Theory at Annamalai University, Annamalai Nagar, during 29<sup>th</sup> December 2009- 11<sup>th</sup> January 2010.*
207. Invited talk on "Applications of Algebra to Graph Theory" in the National Conference on Research Trends in Applications of Mathematics at Dr. M.G.R. Janaki College of Arts and Science for Women, Chennai during January 29-30, 2010.
208. *Invited talk on "Applications of DFS and BFS" in the Instructional Workshop on Introduction to Graph Algorithms at Kalasalingam University, Krishnankoil during Feb 3-6, 2010*
209. *Invited talk on "Split Graphs and Comparability Graphs " in the Instructional Workshop Graph Algorithms at Kalasalingam University, Krishnankoil during Feb 17-24, 2010*
210. *Invited talk on "Dominator Coloring and Four Color Theorems " in the Instructional Workshop on Graph Colorings at Kalasalingam University, Krishnankoil during March 10-15, 2010*
211. *Invited talk on " Graphs and Posets " in the Instructional Workshop on Algebraic Graph Theory at Manonmaniam Sundaranar University, Tirunelveli during March 17-21, 2010*
212. *Invited talk on "Visual Cryptographic Schemes for Black and White Images – A brief Survey " in the Sixth Annual Conference of ADMA at College of Engineering, Pune during June 8-10, 2010*
213. Invited talk on "Graph Labeling Problems" in the UGC Sponsored refresher course at University of Mysore, Mysore during June 28-29, 2010.
214. Invited talk on "Applications of Graph Theory to Visual Cryptography" at Liverpool Hope University, Liverpool, UK during July 29-30, 2010
215. Invited talk on "On Dominator Colorings in Graphs" in the International Workshop on Graph Colorings at Bharathidasan University, Trichy during August 7-9, 2010.
216. Invited talk on "Fractional Metric Dimension of Graphs" in the International Conference on Recent Trends in Graphs and Combinatorics (ICRTGC 2010) at Cochin University of Science and Technology, Cochin during August 12-15, 2010.
217. Invited talk on "The Cycle Spectrum of a Graph" in the Workshop on Cycles and Colourings 2010 at High Tatras, Slovakia during September 05 - 10, 2010.

218. Presented a paper entitled "Dominator Colorings in Graphs" in the Sixth Cracow Conference on Graph Theory held at Zgorzelisko, Poland during September 12-17, 2010.
219. Guest lecture on *Dominator Colorings in Graphs* in the Department of Mathematics, Ball State University, USA on September 23, 2010.
220. Guest lecture on *Distance Magic Graphs* in the in the Department of Mathematics, Indiana University- Purdue University Fort Wayne (IPFW), USA on September 24, 2010
221. Guest lecture on Graph theoretic models for Social Networks in the Department of Computer Science, Ball State University, USA on September 29, 2010.
222. Guest lecture on Graph Coloring Problems to the graduate students in the Department of Computer Science, Ball State University, USA on September 28<sup>th</sup> and 30, 2010.
223. Guest lecture on Dominator Colorings in Graphs in the Department of Mathematics, Wright state University, Dayton, USA on October 1, 2010.
224. Guest lecture on Applications of Graph Theory to Visual Cryptography in the Department of Computer Science, City College of New York, USA on October 6, 2010.
225. Invited talk on Some New Research Directions in Domination in the 25<sup>th</sup> Clemson Mini-Conference on Discrete Mathematics and Algorithms, Clemson University, Clemson, USA during October 7-9, 2010.
226. Guest lecture on Distance Magic Graphs in the Department of Mathematics, East Tennessee State University, Johnson City, USA on October 13, 2010.
227. Guest lecture on Fractional Metric Dimension of a graph in the Department of Mathematics, Texas State University, San Marcos, USA on October 15, 2010.
228. Keynote address on Distance Magic Labellings in Graphs in the Sixth International Workshop on Graph Labellings (IWOGL2010) at the University of Minnesota, Duluth, USA during October 20-22, 2010.
229. Presented a paper on Dominator Colorings in Graphs in the fiftieth Midwest Graph Theory Conference (MIGHTY L) at the University of Wisconsin – Superior, USA on October 23, 2010.
230. Invited talk on Graph Theoretic Models for Social Networks in the AICTE sponsored Staff Development Programme on *Mathematical Research Challenges in Engineering Application at Department of Mathematics, PSG College of Technology, Coimbatore on 29<sup>th</sup> November 2010.*
231. Invited talk on Inequality Chains of Graph Parameters in the National Conference on Recent Trends in Discrete Mathematics at Department of Mathematics, Nazareth Margoschis College at Pillaiyanmanai during December 9 – 11, 2010.
232. Invited talk on Some New Research Directions in Domination in the International Conference on Emerging Trends in Mathematics and Computer Applications, ICETMCA2010 at Department of Mathematics, Mepco Schlenk Engineering College, Sivakasi during December 16-18, 2010
233. Invited talk on Distance Magic Graphs in the UGC sponsored National Seminar on Recent Developments in Pure and Applied Mathematics at Department of Mathematics, The Standard Fireworks Rajaratnam College for Women, Sivakasi during January 20-21, 2011.

234. Keynote address on Cycle Spectrum of a Graph in the National Conference on Recent Trends in Graph Theory and Applications at Department of Mathematics, St. Xavier's College, Palayamkottai during February 24-25, 2011
235. Guest lecture on Applications of Graph Theory to Social Networks in the Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli on February 25, 2011.
236. Invited talk on  $(k,n)$ -Visual Cryptography Scheme in the 7<sup>th</sup> Annual Conference of ADMA in the Department of Mathematics, National Institute of Technology, Calicut during June 9-11, 2011.
237. Participated in the International Workshop on Combinatorial Algorithms (IWOCA 2011) at University of Victoria, Canada during June 20-22, 2011 and gave a talk on "Algorithmic Aspects of Dominator Colorings".
238. Guest lecture on Fractional Graph Theory in the Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli on August 29, 2011.
239. Participated in the Second India-Taiwan Conference on Discrete Mathematics at Amrita Vishwa Vidyapeetham University, Coimbatore during September 8-11, 2011 and gave a plenary talk on Equality of domination and transversal numbers in graphs and hypergraphs.
240. Invited talk on "Graph Theoretical Models in Social Networks" in the UGC Sponsored National Seminar on Discrete Mathematics and Applications at the Department of Mathematics, M.E.S. Asmabi College, Kodungallur, Kerala during September 20-21, 2011.
241. Delivered an Open Lecture on "Visual Cryptography Scheme- A Brief Survey" in the British University in Dubai on 14-11-2011.
242. Delivered Plenary talk on "Metric Dimension of Graphs –A Brief Sruvey" in the International Conference on Mathematical and Computational Models (ICMCM 11) at Department of Mathematics and Computer Applications, PSG College of Technology, Coimbatore during December 19-21, 2011.
243. Invited talk on Extremal Graph Theory for Metric Dimension, in the 77th Annual Conference of the Indian Mathematical Society at Swami Ramanand Teerth Marathwada University (SRTM University), Vishnupuri, Nanded- 431 606 (MS), India during December 27-30, 2011
244. Invited talk on Game Theory for Wireless Networks, in the NBHM Sponsored National Seminar on Game Theoretical Models for Problem Solving in Wireless Networks at Departemnt of Computer Science and Engineering, National Engineering College, Kovilpatti on January 20, 2012
245. Invited talk on Basic Graph Theory in the short term course on Discrete Mathematics and Graph theory at Department of Mathematics, College of Engineering, Thiruvananthapuram on February 03, 2012.
246. Invited talk on On the uniqueness of D-vertex magic constant, in the National Seminar on Algebra, Analysis and Discrete Mathematics (NSAADM-2012) at Department of Mathematics, University of Kerala, Thiruvananthapuram, Kerala on February 10, 2012.



247. Invited talk on Fuzzy Domination in Fuzzy Graphs, in the National Conference on Fuzzy Optimization and Graph Theory with Applications (NCFOGTA'12) at Department of Mathematics, Mepco Schlenk Engg. College, Sivakasi on February 24, 2012
248. Delivered a Key note Speech on "Visual Cryptographic Scheme -A Survey" First International Conference on Computational Intelligence and its Applications (ICCIA-2012), Department of Information Technology, Vivekanandha Institute of Engineering and Technology for Woman, Elayampalayam during March 01-03, 2012.
249. Invited talk on Applications of Signed Graphs to Portfolio Analysis, in the International Conference on Mathematics in Engineering and Business Management at Loyola Institute of Business Administration, Chennai during March 09-10, 2012.
250. Invited talk on Metric Dimension of Graphs in the UGC Sponsored National Level Seminar on Recent Trends in Distance in Graphs at Department of Mathematics, Ayya Nadar Janaki Ammal College, Sivakasi on March 12, 2012.
251. Invited talk on Distance Magic Graphs in the UGC Sponsored National Conference on Recent Development in Graph Structures at Department of Mathematics Mannar Thirumalai Naicker College, Madurai on March 16, 2012.
252. Three Invited talks on Domination in Hypergraphs in the Instructional workshop on Hypergraphs and Matroids at Department of Mathematics, Annamalai University, Annamalai Nagar during March 27-31, 2012.
253. Invited talk on Applications of Graph Theory to Social Network at Department of Mathematics St. Joseph College of Engineering, Sriperumbudur on 4<sup>th</sup> May, 2012
254. Three Invited talks on Partially ordered sets and Graphs, Graphs and Vector Spaces and Graphs and Groups in the Instructional Workshop on Algebraic Graph Theory at VVV College for Women, Virudhunagar during June 04-07, 2012.
255. Frank Harary Endowment Lecture on Visual Cryptography Scheme for Graph Based Access Structure in the 8<sup>th</sup> Annual Conference of ADMA at VVV College for Women, Virudhunagar during June 08-10, 2012.
256. Participated in the 7<sup>th</sup> International Workshop on Graph Labeling (IWOGL 2012) at University of Indonesia, Indonesia during July 23-25, 2012 and gave a talk on "Distance Magic and Distance Antimagic Graphs".
257. Participated in the International Workshop on Optimal Network Topologies (IWONT 2012) at Institut Teknologi Bandung (ITB), Bandung, Indonesia during July 27-29, 2012 and gave a talk on "Dominators Sequences in Bipartite Graphs".
258. Guest Lecture on Applications of Graph Theory at Department of Mathematics, Sri Kaliswari College (Autonomous), Sivakasi on 1<sup>st</sup> Sep 2012
259. Participated in the Two day workshop on Biomedical research and application development using Ultra-Wide Band (UWB) Radars at Department of Biomedical Engineering, PSG College of Technology, Coimbatore during September 12-13, 2012.

260. Invited talk on Dominator Sequences in Graphs in the Mini-Symposium on Graph Theory at University of Leicester, UK on 28<sup>th</sup> September 2012
261. Invited talk on Applications of Graph Theory to Social Networks in the research seminar programme of Liverpool Hope University on 10<sup>th</sup> October 2012.
262. Invited talk on Graph Theoretic Models for Social Networks – A Brief Survey in the National Seminar on Frontiers of Mathematics at Department of Mathematics, Ethiraj College for Women, Chennai during October 15-16, 2012
263. Invited talk on Chemical Applications of Graph Theory in the National Seminar on Chemical Graph Theory at Department of Mathematics, Velammal College of Engineering and Technology, Madurai on 19<sup>th</sup> October 2012.
264. Invited talk on Applications of Graph Theory to Visual Cryptography in the International Conference on Mathematics- A global scenario at Department of Mathematics, D.G.Vaishnav College, Chennai on 13<sup>th</sup> Dec 2012.
265. Invited talk on Protection of a Graph in the National conference in Discrete Mathematics and applications at Department of Mathematics, St. Xavier's College, Palayamkottai on 14<sup>th</sup> Dec 2012
266. Invited talk on Magic and antimagic labelings of graphs in the UGC sponsored National Conference on Recent Trends in Labeling and Domination in Graphs at Department of Mathematics, EMG Yadava Women's College, Madurai on 15<sup>th</sup> Dec 2012.
267. Guest Lecture on Applications of Graph Theory in the Cluster College Programme at Department of Mathematics, A.K.D. Dharma Raja Women's College, Rajapalayam on 31<sup>st</sup> Aug 2013.
268. Keynote address on Protection of Graphs in the 2<sup>nd</sup> IndoMs International Conference on Mathematics and its Applications (IICMA 2013) organized by Indonesian Mathematical Society and the Department of Mathematics, Faculty of Mathematics and Natural Sciences, Universitas Gadjah Mada, Yogyakarta-Indonesia during November 6-7, 2013.
269. Three invited talks on Graph Labeling Problems, Applications of Graph Theory in Social Network and Domination in Graphs in the Workshop on Graph Theory and Interconnection Network at Department of Applied Mathematics, Tunghai University, Taichung Taiwan during November 16-17, 2013.
270. Invited talk on Some Open Problems on Graph Labelings in the 3<sup>rd</sup> India-Taiwan Conference on Discrete Mathematics which was organized by the Department of Applied Mathematics, National Chia Tung University, Hsinchu, Taiwan during November 19-22, 2013.
271. Invited talk on Visual Cryptography Scheme in the International Conference on Computational Intelligence, Cyber Security and Computational Models at PSG College of Engineering, Coimbatore during 19-21, December 2013.
272. Invited talk on Protection of Graphs in the symposium on Graph Theory of 79<sup>th</sup> Annual Conference of Indian Mathematical Society held at Rajagiri College of Engineering, Cochin during December 28-31, 2013.

273. Invited talk on Spectral Graph Theory in the Three-day workshop on Algebraic Graph Theory and Mathematics Curriculum Enrichment at Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli during January 22-24, 2014.
274. Invited talk on Applications of Graph Theory in Computer Science in the CIT-IBM Research Promotion Programme at CIT, Coimbatore on 13<sup>th</sup> February 2014.
275. Invited talk on Metric Dimension in Graphs in the National Meet of Research Students in Mathematical Sciences" (NMRSMS-13) at Department of Mathematics, University of Pune, Pune during 24-28 Feb, 2014.
276. Two invited talks on Inequality Chains of Graph parameters and Spectral Graph Theory in the National Conference on Mathematical Sciences and Applications (NCMSA 2014) at Department of Mathematics, St. Joseph's College, Trichy during March 4-5, 2014.
277. Invited talk on Dominator Sequences in Bipartite Graphs in the National Conference on Recent Advances in Graph Theory at Department of Mathematic, Periyar University, Salem during March 6-7, 2014.
278. Invited talk on Applications of Graph Theory to Social Networks and at Department of Mathematics, BITS-Pilani, Goa Campus on 28<sup>th</sup> March 2014.
279. Invited talk on Risk Management in Portfolios-Applications of Signed Graphs at Department of Mathematics, BITS-Pilani, Goa Campus on 3<sup>rd</sup> April 2014.
280. Two Invited talks on Path covers and Semigraphs in the Pre-Conference Workshop on Semigraphs at Department of Mathematics, Reva Institute of Technology and Management, Bangalore during June 5-9, 2014.
281. Invited talk on Conditional Connectivity in Graphs in the 10<sup>th</sup> Annual Conference of ADMA at Department of Mathematics, Reva Institute of Technology and Management, Bangalore during June 10-13, 2014.
282. Invited talk on "Conditional Connectivity" in the Seminar on Research Practices on Topics in Mathematics and Computer Science at Department of Mathematics, Madras Christian College (Autonomous), Chennai – 600 059 on 7<sup>th</sup> Aug 2014.
283. Invited talk on "Cellular Manufacturing System" in UGC-Sponsored National Seminar on Graph Theory and Its Applications at Department of Mathematics, St. Xavier's College for Women, Aluva, Kerala on 8<sup>th</sup> Aug 2014.
284. Keynote Address and n invited talk on "Conditional Connectivity with Applications to Cellular Manufacturing System" in the UGC-Sponsored National Conference on Recent Advances in Pure and Applied Mathematics, at Department of Mathematics, St. Xavier's College, Palayamkottai on 3<sup>rd</sup> Sep 2014.
285. Invited talk on "Graph Access Structures with Optimal Pixel" in the International Conference on Theoretical Computer Science and Discrete Mathematics, at Department of Mathematics, SSN College of Engineering, Chennai during Dec 8-10, 2014.

286. Invited talk on "Co-Roman Domination in Graphs" in the 23rd International conference of FIM: Interdisciplinary Mathematical, Statistical and Computational Techniques at NIT, Surathkal during December 17-20, 2014.
287. Invited talk on "Metric Dimension in Graphs" in the National Conference on Discrete Mathematics at Department of Mathematics, St. Joseph's College, Trichy during January 9-10, 2015.
288. Invited talk on "Mathematics in Real Life" in the VIT Mathematical Meet 2015 at Department of Mathematics, VIT, Vellore on 31<sup>st</sup> January 2015.
289. Invited talk on "Magic and antimagic labeling of Graphs" in the National Conference on Recent Trends in Graph Theory and its Applications" (NCRTGTA-2015) at Department of Mathematics, Mangalore University, Mangalore during Feb 5-6, 2015.
290. Invited talk on "Secure Domination in Graphs" in the UGC sponsored National level Seminar on Recent Advancements in graph theory and applied mathematics at Department of Mathematics, S.F.R. College for Women, Sivakasi during March 2-3, 2015.
291. Five Invited talk on "Domination in Graphs" in the Two-day Course on Graph Algorithms and its Industrial Applications - Tutorial and Case studies at Department of Mathematics, University Sains Malaysia, Malaysia during May 11-12, 2015.
292. Keynote address on "Graph Coloring Problems" in the International Workshop on Graph Algorithms (IWGA 2015) at Department of Mathematics, University Sains Malaysia, Malaysia on 13<sup>th</sup> May 2015.
293. Invited talk on "Graph Theoretic Concepts in the Study of Biological Networks" in the International Conference on Recent, Advances in Mathematical Biology, Analysis and Applications at Department of Applied Mathematics, Aligarh Muslim University, Aligarh during June 4-6, 2015.
294. Four Invited talks on "Fuzzy Graphs and its Applications" in the ADMA Pre-Conference Workshop on Fuzzy Graphs at Department of Mathematics, B.S. Abdur Rahman University, Chennai during June 07-09, 2015.
295. Invited talk on "Graph Theoretic Concepts in the Study of Biological Networks" in the Eleventh Annual Conference of ADMA & Graph Theory Day XI at Department of Mathematics, B.S. Abdur Rahman University, Chennai during June 07-09, 2015.
296. Invited talk on "Secure Domination in Graphs" in the UGC, DST & CSIR sponsored National Conference on Discrete Mathematics and its Applications at Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli during July 15-17, 2015.
297. Invited talk on "Magic and Antimagic Labelings of graphs" in the National Workshop on Research Practices in Mathematics and Computer Science at Department of Mathematics, Jayaraj Annapackiam College for Women, Periyakulam, on 3<sup>rd</sup> Aug 2015.
298. Invited talk on "Conditional Resolving Sets" in the National Conference on Recent Developments in Coloring, Domination and Distinguishing Codes in Graphs at Department of Mathematics, Govt. Arts College, Melur on 6<sup>th</sup> Aug 2015.

299. Invited talk on "Biological Networks" in the in the 46<sup>th</sup> Annual Iranian Mathematics Conference (AIMC2015) held at Yazd University, Iran during 25-28 August 2015.
300. Presented a Paper entitled "Applications of Signed Graphs to Portfolio Turnover Analysis" in the 2nd Global Conference on Business and Social Science held at ASTON Denpasar Hotel and Convention Centre Bali, Indonesia during Sep 17-18, 2015
301. Invited talk on "Local Antimagic Chromatic Number of a Graph" in the International Conference on Graph Theory and Information Security at Institut Teknologi Bandung, Indonesia during Sep 21-23, 2015 .
302. Invited talk on "Distance Magic Labelings in Graphs" in the Graph Master Workshop at Universitas Jember, Jember, East Java, Indonesia during Sep 25-26,2015.
303. Three invited talks on Labelings, Domination and Social Networks in the SEAMS School on Coding and Graphs at Hasanuddin University, Makassar, South Sulawesi, Indonesia during 28<sup>th</sup> Sep-6<sup>th</sup> Oct 2015.
304. Invited talk on "Ethics in Research Publications" in the Workshop for Writing Computer-science-related Articles In International publication at Hasanuddin University, Makassar, South Sulawesi, Indonesia on 29<sup>th</sup> Sep 2015.
305. Invited talk on "Visual Cryptography" in the International Conference on Mathematics, Statistics, Computer Science, Mathematics Education (ICMSCSME) at Hasanuddin University, Makassar, South Sulawesi, Indonesia on 2<sup>nd</sup> Oct 2015.
306. Eight lectures on "Algebraic Graph Theory " in the FDP on Linear Algebra and Graph theory at Department of Mathematics, Coimbatore Institute of Technology, Coimbatore during 30<sup>th</sup> November-1<sup>st</sup> Dec 2015.
307. Invited talk on "Srinivasa Ramanujan-Number Theory" in Department of Mathematics, Fatima College Madurai on 15<sup>th</sup> Dec 2015.
308. Presented a Paper entitled "Personal Sharing in Small Groups-A Case Study" in the 3<sup>rd</sup> Global Conference on Business and Social Science held at Hotel Nexus, Kuala Lumpur during December 16-17, 2015.
309. Invited talk on "Perfect Secure Domination in Graphs" in the International Conference on Graph Theory and its Applications at Amrita University, Coimbatore during December 18-19, 2015.
310. Invited talk on "Centrality Measures for the Study of Biological Networks" in the National Seminar on Recent Advancement on Distance, Domination and Labeling in Graphs at Department of Mathematics, The Madura College, Madurai on 21<sup>st</sup> Jan 2016.
311. Eight lectures on "NP-Completeness, Graph Algorithms and Complexity" in the FDP on Algorithm Analysis and Design at Department of Computer Science, NIT, Warangal during March 04-06, 2016.
312. Four lectures on "Connectivity in Graphs" in BITS-Pilani, K.K. Birla Goa Campus, Goa at Department of Mathematics during April 4-8, 2016

313. Invited talk on "Srinivasa Ramanujan" in MATH-FEST at BITS-Pilani, K.K. Birla Goa Campus, Goa at Department of Mathematics on 10<sup>th</sup> April, 2016
314. Invited talk on "Graph Theoretic Models in Social Networks" at Department of Mathematics, South Asia University, Delhi on 28<sup>th</sup> April 2016.
315. Ten Invited talks "Biological Networks and Graph Algorithms in the workshop on Introduction to Bioinformatics and Computational Biology via Graph Algorithms at School of Computer Sciences, Universiti Sains Malaysia, Penang during May 10-12, 2016.
316. Keynote address on "Applications of graph theory to social and biological networks" in the Global Conference on Engineering and Technology (GCOET) at Kuala Lumpur during June 1-2, 2016.
317. Invited talk on "Leech Trees" in the International Conference on Discrete Mathematics (ICDM-2016) and Graph Theory Day-XII at Department of Mathematics, Siddaganga Institute of Technology (SIT), Tumkur-572 103, Karnataka during 09-11 June, 2016.
318. Delivered Inauguration and Keynote address on "Graph Theory and its Applications" in FDP on Engineering Mathematics through Applications (EMTA 2016) at Department of Mathematics, PSG College of Technology, Coimbatore on 4<sup>th</sup> July 2016.
319. Invited talk on "Cellular Manufacturing Systems" in Department of Applied Mathematics, PSG College of Technology, Coimbatore on 4<sup>th</sup> July 2016.
320. Delivered an Invited talk on "Coprime labelings of graphs" in the 9<sup>th</sup> International Workshop on Graph Labelings (IWOGL 2016) held at AGH University of Science and Technology Krakow, Poland through Skype on 7<sup>th</sup> July 2016.
321. Invited talk on "Co-Prime Index of a Graph" in the 29<sup>th</sup> International Conference of the Jangjeon Mathematical Society on Number Theory, Special Functions and its applications at Department of Mathematics, Pondicheery University, Pondicheery during August 8-10, 2016.
322. Invited talk on "Applications of Graph Theory to Social Networks and Biological Networks" in the UGC Sponsored Refresher Course in Mathematics at Department of Mathematics, Pondicheery University, Pondicheery on 7 September 2016.
323. Plenary talk on "Magic and Antimagic Labelings of Graphs" in the International Conference on Current Trends in Graph Theory and Computation at Department of Mathematics, South Asian University, Delhi during September 17-19, 2016.
324. Participated in 4<sup>th</sup> Global Conference on Business and Social Sciences held at Dubai during November 14-15, 2016.
325. Six Invited talks on "Domination in Graphs, Algorithms, Hanoi Graphs and Social and Biological Networks" in the two weeks workshop on Graph Theory- Algorithms & Applications held at BMS College of Engineering, Bangalore during January 3-4, 2017
326. Guest Lecture on "Hanoi Graphs" at Department of Mathematics, BITS-Pilani Goa Campus on 30<sup>th</sup> January 2017.

327. Plenary talk on "Hanoi Graphs and Distance related concepts" in the National Conference on Discrete Mathematics at Department of Mathematics, Savitribai Phule Pune University, Pune during February 20-22, 2017.
328. Invited talk on "Cayley Graphs and Interconnection Networks" in the Workshop on Interconnection Networks at Department of Mathematics, Amrita University, Coimbatore on 24<sup>th</sup> April 2017
329. Invited talk on "Mathematics in Real Life" in the Workshop on Teaching Strategies in Mathematics at Department of Mathematics, BITS-Pilani Goa Campus during April 28-29, 2017.
330. Invited talk on "Graphs with Equal Domination Number and Independence Domination Number" in the 5<sup>th</sup> India-Taiwan Conference on Discrete Mathematics at Tamkung University, Taipei during July 18-21, 2017.
331. Guest Iscture on Hanoi Graphs at the Department of Mathematics, BITS-Pilani K.K. Birla Goa campus Goa on 19th September 2017.
332. Guest lecture on "Polya Theory" at the Department of Mathematics, BITS-Pilani K.K. Birla Goa campus Goa on 21st September 2017
333. Guest lecture on "Hanoi graphs and social networks" at the Department of Mathematics, Dr. G.S.G.W.F.G college &PG study centre, Udupi on 25th September 2017.
334. Invited talk on "Banach Spaces" in the one-day National workshop on Analysis and Topology, at the department mathematics at Dr. G..S.G .W.F.G College & PG Study Centre, Udupi on 27th September 2017.
335. Guest lecture on "Social Network Analysis" at the Department of Statistics, Manipal University on 6th October 2017
336. Invited talk on "Biological Networks" at Jawaharlal Nehru University, New Delhi on 11th October 2017.
337. Invited talk on "Computational Biology and Biological Networks" at the Department of Mathematics, IIT, New Delhi on 11th October 2017.
338. Invited talk on "Graph Theoretical Concepts in the Study of Biological Networks" in the International Conference on Recent Trends in Graphs and Networks (ICRTGN 2017) at Department of Mathematics, St. Xavier's College for Women, Aluva during 30<sup>th</sup> October - 1<sup>st</sup> November 2017.
339. Guest lecture on "Conducting and interpreting Social Network Analysis" at the Department of Statistics, Manipal University on 3rd November 2017.
340. Guest Lecture on "Graph theoretic models in social network analysis" at the Department of Pure Mathematics, University of Calcutta on 23<sup>rd</sup> November 2017.
341. Guest Lecture on "NP-Completeness" at the Department of Pure Mathematics, University of Calcutta on 23<sup>rd</sup> November 2017.
342. Delivered Mahadev Dutta Memorial Endowment Lecture on " Biological networks" at the Department of Pure Mathematics, University of Calcutta on 24<sup>th</sup> November 2017.

343. Invited talk on "Hanoi Graphs" in the One day special lecture series on Recent Developments in Mathematical Modeling and Applications at Department of Mathematics, Mangalore University, Mangalore on 5th December 2017
344. Invited talk on "Vector spaces associated with graphs" in the International conference on Linear Algebra and Applications at the Department of Statistics, Manipal University during December 11 - 15, 2017.
345. Two guest lectures on "Social network analysis and Vector spaces associated with graphs" at the Department of Mathematics, Ayya Nadar Janaki Ammal College, Sivakasi on 4th January 2018.
346. Keynote address on "Magic and Antimagic Labelings" in the UGC Sponsored International Conference on Discrete Mathematics and its Applications at Department of Mathematics, Manonmaniam Sundaranar University, Tirunelveli during January 18-20, 2018.
347. Six invited talks on "Spectral Graph Theory, Vector Spaces Associated with a Graph and Cayley Graphs" in a six days workshop on Algebraic graph theory at Department of Mathematical and Computational Sciences, NITK, Surathkal during January 25-30, 2018.
348. Invited talk on "Hanoi Graphs" in the National Conference on Graph Theory and Discrete Mathematics at Department of Mathematics, Mangalore University, Mangalore during February 5-6, 2018.
349. Guest lecture on "Algebraic Graph Theory" at the Department of Mathematics, BITS-Pilani K.K. Birla Goa campus Goa on 23<sup>rd</sup> February 2018.
350. Two guest lectures on Social network analysis and Vector spaces associated with graphs" at the Department of Mathematical Sciences, Kannur University, Kerala on 12<sup>th</sup> March 2018.
351. Two invited talks on "Applications of Graph theory to Social and Biological networks" and "Graph Labelling Problems" in the Refresher Course in Mathematical Sciences at at the Department of Mathematical Sciences, Kannur University, Kerala on 13<sup>th</sup> March 2018.
352. Invited talk on "Local antimagic colorings" in the International Conference on Discrete Mathematics and its Applications to Network Science at BITS-Pilani Goa campus during July 7-10, 2018
353. Invited talk on "Antimagic and local antimagic labelings of graph"s in the International Workshop Graph Labelings at Ball state University, USA during September 26 - 28, 2018
354. Harary Lecture on" Domination and Coloring in graphs" in MIGHTY 2018 at Purdue University USA during September 28 - 29. 2018
355. Guest lecture on "Applications of Graph Theory" at Poornapraja College, Udupi on 10th October 2018
356. Guest lecture on "Network Science - Structure, Stability and Emergence" in the Department of Statistics, Manipal academy Higher Education, Manipal on 10<sup>th</sup> November 2018.
357. Invited talk on "Small World Networks" in the International Conference on Discrete Mathematics and Theoretical Computer Science at SSN College of Engineering, Chennai during December 3 - 6, 2018.



358. Invited talk on "Magic and Antimagic Labelings" in the Post -Conference workshop on Graph Labelings at National College, Trichy during December 15 -20, 2018.
359. Invited talk on "Labelings and Colorings in graphs" in the International Conference on Graph Theory and its Applications at Amrita Viswa Vidya Peedam, Coimbatore during January 4-6, 2019.
360. Invited talk on "Network science and its Applications" in the International conference on Discrete Mathematics at St. Joseph's College, Trichy during January 7-9, 2019.
361. Invited talk on "Social and Biological Networks" in the National Conference on Bio-inspired computing at Bishop Heber College, Trichy during January 10-11, 2019.
362. Invited talk on "Network science and its Applications" in the National Conference on Discrete Mathematics and its Applications at Kannur University, Kerala during January 28-29, 2019.
363. Guest lecture on "Small World Graphs" at Ramanujan College, Delhi on 4<sup>th</sup> February 2019
364. Guest lecture on "1-2-3 conjecture" at the Department of Mathematics, IIT, Delhi on 5<sup>th</sup> February 2019.
365. Guest lecture on "Applications of graph theory" at Shivaji College, Delhi on 6<sup>th</sup> February 2019.
366. Guest lecture on "Magic and antimagic labelings of graphs" at St. Mary's College, Trissur, Kerala on 19<sup>th</sup> February 2019
367. Guest lecture on "Centrality measures" at St.Mary's College, Trissur, Kerala on 20<sup>th</sup> February 2019.
368. Guest lectures on "Graph theory and its applications" at G. Shankar Government PG College for women, Udupi during 25<sup>th</sup> February to 1<sup>st</sup> March 2019.
369. Guest lecture on "Extremal graph theory" at the Department of Mathematics, Mangalore University, Mangalore on 16<sup>th</sup> March 2019.
370. Invited talks on "Various aspects of domination in graphs" in the National Workshop on domination in Graphs and algorithms at NIT, Warangal during April 8-13, 2019