

## **List of Publications By Dr. Ajitha R S**

1. A. R.Subhamathi      Ultrasound Image Segmentation based on Information Diffusion Model  
Int. J. of Computer Sciences and Engineering . 06(03):205-210 · April 2018      2018  
2347-2693
2. A. R.Subhamathi      LLRMA and KDE based Ultrasound Image Despeckling      Int. J. Control  
Theory and Appl. Vol.9 (2016) Issue No. :14 (2016)Pages : 6763-6768      2016      0974-5572
3. A. R.Subhamathi      Ultrasound Image Despeckling based on Local Binary Pattern and Local  
Homogeneity      IEEE Int. Conf. on Commu. And Sig. Proc. Preocceedings, 1454-1457      2016  
978-1-5090-0396-9
4. A. R.Subhamathi      Ultrasound Image Despeckling using Singular Value Decomposition  
IEEE RAICS Conf. Proc., DOI: 10.1109/RAICS.2015.7488393, 82-86      2015      978-1-  
4673-6670-0
5. M. Changat, A.R. Subhamathi      UPPERBOUND FOR MAXIMUM REMOTENESS IN  
ARBITRARY GRAPH      International Journal of Pure and Applied Mathematics Volume  
101 No. 5 2015, 719-727      2015      ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-  
line version)
6. M. Changat, D. S Lekha, Shilpa Mohandas, H. M. Mulder, A.R. Subhamathi      Axiomatic  
Characterization of the Median and Antimedial Function on a Complete Graph minus a  
Matching      " Discrete Applied Mathematics Volume 228, 10 September 2017, Pages 50-59  
2017      0166-218X
7. M. Changat, D. S. Lekha, I. Peterin, A. R.Subhamathi, S. Spacapan      The median game  
Discrete Optimization, V.17,80-88      2015      1572-5286
8. M. Changat, D. S. Lekha, H. M. Mulder, A. R. Subhamathi Axiomatic Characterization of the  
Median and Antimedial Functions on Cocktail-Party Graphs and Complete Graphs  
"Proceedings, Conference on Algorithms and Discrete Applied Mathematics Indian  
Institute of Technology, Kanpur February 8-10, 2015 "      2015      hdl.handle.net/1765/77639
9. M.Changat, D. S. Lekha, A.R.Subhamathi, Algorithms for the Remoteness Function, and the  
Median and Antimedial Sets in  $n$ -Graphs. International J. of Computing Science and  
Mathematics 6(5):480-491 · November 2015      2015      ISSN 0974-3189
10. A.R.Subhamathi, M. Changat Upperbound for maximum remoteness in arbitrary graphs      Int.J.  
of Pure and Applied Mathematics Conf. proc. ICMCE\_2013, VIT Chennai, Vol II 2013      ISSN  
1311-8080 (printed version)
11. A.R.Subhamathi      Image Restoration using Higher Order Statistics      (AICWIC'13) Proc.  
published by International Journal of Computer Applications® (IJCA) 29-31      2013  
ISSN:1070-9908, INSPEC No: 9466174,
12. K.Balakrishnan, M.Changat, H.M.Mulder, A.R.Subhamathi Consensus Strategies for Signed  
Profiles      ARS MATHEMATICA CONTEMPORANEA6 (2013) 127–145      2013      ISSN  
1855-3966 (printed edn.), ISSN 1855-3974 (electronic edn.)
13. H.M.Mulder, K.Balakrishnan, M.Changat, A.R.Subhamathi Axiomatic Characterization of the  
Antimedial Function on Paths and Hypercubes      Discrete Mathematics, Algorithms and

Applications Vol. 4, No. 4 (2012) 1250054 (20 pages) World Scientific Publishing Company  
2012 Print ISSN: 1793-8309 Online ISSN: 1793-8317

14. K.Balakrishnan, B.Bresar, M.Changat, S.Klavzar, I.Peterin, A.R.Subhamathi Almost self-centered median and chordal graphs Taiwanese Journal of Mathematics 16( 5) 1911-1922  
2012 ISSN 1027-5487(Print), ISSN 2224-6851 (Online)
15. K.Balakrishnan, B.Brešar, M.Changat, S.Klavžar, M.Kovše, A.R.Subhamathi Computing median and antimedian sets in median graphs Algorithmica 57(2), 207--2162010 Print ISSN: 0178-4617; Online ISSN: 1432-0541
16. B.Brešar, M.Changat, A.R.Subhamathi, A.Tepeh The periphery graph of a median graph, Discussiones Mathematicae Graph Theory, 30 17--32 2010 ISSN 1318-4865
17. K. Balakrishnan, B.Brešar, M.Changat, S.Klavžar, M.Kovše, A.R.Subhamathi Simultaneous embeddings of graphs as median and antimedian subgraphs Networks, 56(2) 90—94  
2010 ISSN 0028-3045; ISSN 1097-0037/e
18. K.Balakrishnan , M.Changat , I.Peterin , S.Spacapan, P.Sparl , A.R.Subhamathi Strongly distance-balanced graphs and graph productsEuropean Journal of Combinatorics 30 1048--1053  
2009 ISSN:0195-6698
19. K.Balakrishnan, B.Brešar, M.Changat, W.Imrich, S.Klavar, M.Kovše, A.R.Subhamathi On the remoteness function in median graphs Discrete Applied Mathematics, 157 (18) 3679-3688 2009 ISSN: 0166-218X

### Conference Presentations

20. Ultrasound Image Despeckling based on Local Binary Pattern and Local Homogeneity  
International Conference on Communication and Signal Processing - ICCSP' 16, Dept. of Electronics and Communication Engineering, Adhiparasakthi Engineering College in association with IEEE, Melmaruvathur, Tamilnadu, 6,7 & 8th April 2016(Accepted) 2016
21. Ultrasound Image Despeckling using Singular Value Decomposition IEEE Int. National Conf. on Recent Advances in Intelligent Computational Systems. Trivandrum, India. December 10-12 2015
22. Consensus strategies on weighted graphs Indo-Slovenia Conference on Graph Theory and Applications (Indo-Slov-2013)Department of Futures Studies, University of Kerala 2013
23. Algorithms for remoteness function, median and antimedian sets on ll graphs Indo-Slovenia Conference on Graph Theory and Applications (Indo-Slov-2013)Department of Futures Studies, University of Kerala 2013
24. Distance Balanced Graphs – recognition algorithm International Workshop on Graph Products: Structure and Algorithms, 7th & 8th February 2012, Department of Futures Studies, University of Kerala, Thiruvananthapuram 2012

25. Graphs with Connected Antimedians and Medians International Conference on Recent Trends in Graph theory and Coding theory ICRTGC – 2010, (12-15, August 2010), Cochin, Kerala. 2010
26. The Periphery Graph of a median Graph. Fifth Annual Instructional Conference of ADMA and Graph Theory Day V, jume 8-10, 2009, Periyar University, Salem-11 2009
27. On the Median and Antimedial Subgraphs of Graphs ICDM 2008, Department of Mathematics, University of Mysore, Mysore. 2008
28. Order of Median Stabilization in Median Graphs, Halfcube and Johnson Graphs Natonal Conf. on Discrete Structures and its Applications(DSA-2016) 29,30 Sep 2016
29. Computing Remoteness function in classes of graphs isometrically embeddable into Hamming graphs National Seminar on Algebra, Analysis and Discrete Mathematics NSAADM-2008. organized by Department of Mathematics, University of Kerala, 2008
30. Median sets with respect to weak contraction UGC Sponsored National conference on Convexity in Graph Theory: Recent Developments, NCCG 2008, Department of Mathematics St. Berchmans College, Changanassery, Kottayam. 2008
31. Strongly Distance Balanced Graphs and Graph Products .NSGC-2008 Department of Mathematics, St. Berchmans College, Changanassery, Kottayam, Kerala. 2008