

LIST OF PUBLICATIONS

Papers published/accepted in SCI Journals: No. 08

1. Naveen Kumar Gupta, Rama Shankar Yadav, Rajendra Kumar Nagaria and R.S. Yadav: “3D Geographical Routing in Wireless Ad Hoc and Sensor Networks: An Overview” in Wireless Networks (Springer), April 2019, URL: <https://link.springer.com/article/10.1007/s11276-019-01983-y>.
2. Dinesh Singh, Ranvijay, Rama Shankar Yadav and R.S. Yadav, “A state-of-art approach to misbehavior detection and revocation in VANET: survey”, Int. J. Ad Hoc and Ubiquitous Computing, Vol. 28, Issue 2, Page 77-93, 2018 (SCIE), URL: <https://www.inderscienceonline.com/doi/abs/10.1504/IJAHUC.2018.092653>.
3. Hari Mohan Singh, Rama Shankar Yadav and R.S. Yadav, “Efficient Algorithm for Removal of Loopbacks in p-Cycle based survivable WDM Networks”, The Institution of Engineering and Technology (IET) Communication, DOI: 10.1049/iet-com.2018.5391, Print ISSN 1751-8628, Online ISSN 1751-8636, 2018 (SCI),URL: <https://ieeexplore.ieee.org/document/8527706>.
4. Hari Mohan Singh , Rama Shankar Yadav and R.S. Yadav, “Partitioning-based approach to control the restored path length in p-cycle based survivable networks” Photonic Network Communication, DOI: 10.1007/s11107-016-0659-7, 2016 (SCI), URL: - <https://www.springerprofessional.de/en/partitioning-based-approach-to-control-the-restored-path-length-/11757416>.
5. Sarika Yadav , Rama Shankar Yadav and R.S. Yadav: “A Review on Energy Efficient Protocols in Wireless Sensor Networks”, Wireless Networks, Springer Volume 22 Issue 1, Pages 335-350 January 2016 (SCI Journal), URL: <https://link.springer.com/article/10.1007/s11276-015-1025-x>
6. Karan Singh, Rama Shankar Yadav and R.S. Yadav, “Efficient Multicast Congestion Control” Wireless Personal (pers) Communication, Vol. 78, published online by Springer Science+Business Media, New York, May 2014, PP. 1159-1176 (Impact Factor: 0.979)URL: <https://link.springer.com/article/10.1007/s11277-014-1809-9>.
7. Raghav Yadav, Rama Shankar Yadav ,Hari Mohan Singh and R.S. Yadav, “Inter-cycle switching (ICS)-based dynamic reconfiguration of p-cycle for dual-failure survivability of WDM networks” Photonic Network Communications, published online by Springer Science+Business Media, LLC 2012 (2013 Impact Factor: 0.750),URL:- <https://link.springer.com/article/10.1007/s11107-012-0376-9>
8. Raghav Yadav, Rama Shankar Yadav,Hari Mohan Singh and R.S. Yadav, “Enhanced Inter-cycle Switching in p-cycle Survivability for WDM Networks” Journal of Optical Communications and Networking, vol. 2, issue 11, November 2010, pp. 961-966, published by IEEE / OSA (2013 Impact Factor: 1.547),URL: <https://www.osapublishing.org/jocn/abstract.cfm?uri=jocn-2-11-961>

Communicated in Journals: No. 09

1. Naveen Kumar Gupta, Rama Shankar Yadav , Rajendra Kumar Nagaria,and R.S. Yadav: “An Angular 3D Path Selection Protocol in Wireless Sensor Networks”, in The Computer Journal (Oxford).
2. Sarika Yadav , Rama Shankar Yadav and R.S. Yadav “Efficient Aggregation Head Selection (EAHS) Protocol using EM model in Structure-Free Wireless Sensor Networks”, Wireless Communications and MobileComputing Recommendation, HINDAWI (SCI Journal) (Paper under second revision).

3. Sarika Yadav, Rama Shankar Yadav and R.S. Yadav “Displacement Estimated Aggregation Head Selection (DEAHS) with Particle Swarm Optimization (PSO) in Structure-Free Wireless Sensor Networks”, *Wireless Personnel Networks*, Springer (October’ 2016)
4. Sarika Yadav, Rama Shankar Yadav and R.S. Yadav “DEMAP-Deadline Estimated Mobile Agent’s Path Determination in Disconnected Structure-Free Wireless Sensor Networks”, *Wireless Networks*, Springer (September’ 2016)
5. Sarika Yadav, Rama Shankar Yadav and R.S. Yadav “Redundancy Elimination Protocol for Accurate Data Aggregation Structure-Free Wireless Sensor Networks”, *IEEE Sensors Journal (SCI Journal)* (November’ 2018) (Under Review)
6. Dinesh Singh, Ranvijay, Rama Shankar Yadav and R.S. Yadav, “Misbehavior Detection for Stable Weighted Cluster Based Structure in VANET”, *Int. J. Ad Hoc and Ubiquitous Computing*. (SCIE Under Review)
7. Shruti Jadon, Rama Shankar Yadav and R.S. Yadav, “Harmonic aware load balancing in multi-core processor with constrained deadlines,” *International Journal of High Performance Systems Architecture*, Inderscience.(Under revision)
8. Shruti Jadon, Rama Shankar Yadav and R.S. Yadav, “Energy constrained load balancing of multicore processor: a review,” *International Journal of High Performance Computing*, MECS. (Under review)
9. Shruti Jadon, Rama Shankar Yadav and R.S. Yadav “Deadline constrained task scheduling in multicore systems,” *The Arabian Journal of Science and Engineering*, Springer. (Under review)

Book Published: No. 01

1. Anil Kumar Yadav, Rama Shankar Yadav and R.S. Yadav, “Connected Dominating Set: Theory and Experimental Study”, Published as book, LAP Lambert Academic Publishing, Germany, Sept-2016, ISBN:978-3-659-94277-8,URL:<https://www.lap-publishing.com/catalog/details//store/ru/book/978-3-659-94277-8/connected-dominating-set:-theory-and-experimental-study>.

Book Chapter: No. 01

1. Smriti Agrawal, Rama Shankar Yadav, Ranvijay and R.S. Yadav, “A Preemption Control Technique for System Energy Minimization of Weakly Hard Real-Time Systems”, in the *International Conference on Software ,Artificial Intelligence, Networking and Parallel/Distributed (SNPD-2008)*, on Aug, 06-08, 2008 at Phuket, Thailand, Published as book chapter in “*Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing*”, Springer Berlin / Heidelberg, 2008, PP.201-215, ISSN: 1860-949X (Print) 1860-9503 (Online), ISBN: 978-3-540-70559-8.

International Non-SCI Journals: No. 22

1. Prashant Kumar, Naveen Kumar Gupta, Rama Shankar Yadav, Rajendra Kumar Nagaria and R.S. Yadav, “An Improved Token-based Distributed Mutual Exclusion Algorithm”, *International Journal of Engineering and Advanced Technology (Scopus)*, Volume-8 Issue-4, page 340-349, April 2019 ISSN: 2249-8958. URL:<https://www.ijeat.org/wp-content/uploads/papers/v8i4/D6136048419.pdf>
2. Shruti Jadon, Rama Shankar Yadav and R.S. Yadav. Load Balancing in Multicore Systems using Heuristics Based Approach. *International Journal of Intelligent Systems and Applications (IJISA)*. 2018. Scopus, Vol. 12, Page 56-68,URL: <http://www.mecspress.org/ijisa/ijisa-v10-n12/IJISA-V10-N12-6.pdf>

3. Anil Kumar Yadav, Rama Shankar Yadav, Rahguraj Singh, Ashutosh Kumar Singh and R.S. Yadav, "Connected dominating set for wireless Ad-hoc network: A Survey," in Int. J. Engineering Systems Modelling and Simulation, Vol. 7, No. 1/2015, 4 December 2014, p.p. 22-34, publisher – Inderscience, <https://www.inderscienceonline.com/doi/abs/10.1504/IJESMS.2015.066127>.
4. Sarika Yadav, Rama Shankar Yadav and R.S. Yadav, "Energy Efficient Protocol for Aggregation Head Selection in Wireless Sensor Network". International Journal of Future Computer and Communication, Vol. 4 No. 5, October-2015, pp.311-315URL: <http://www.ijfcc.org/vol4/407-TE16.pdf>.
5. Hari Mohan Singh, Rama Shankar Yadav, Raghav and R.S. Yadav, "Efficient Design of p-Cycles for Survivability of WDM Networks Through Distributed Cycle Pre-Configuration (DCPC) Protocol", International Journal of Computer Networks (IJCN), Volume 6, Issue 6, pp.:108-117, November 2014, CSC Journals, Publisher -CSC Journals, Malaysia,URL:<http://www.cscjournals.org/manuscript/Journals/IJCN/volume6/Issue6/IJCN-299.pdf>
6. Anil Kumar Yadav, Rama Shankar Yadav, Rahguraj Singh, Ashutosh Kumar Singh and R.S. Yadav, "Efficient topology control scheme for wireless ad hoc networks," in Int. J. Computational Intelligence Studies, Vol.3,No.1,Pages 94-109,2014 (Inderscience), URL: <https://www.inderscience.com/info/inarticle.php?artid=58651>
7. MohitGangwar, R. B.Mishra, Rama Shankar Yadav and R.S. Yadav., "Application of Data Mining Models in the Diagnosis of Neuropsychiatric Diseases", International Journal of Data Mining And Emerging Technologies. (2014), Year: 2014, Volume: 4, Issue: 2, PP. 71-82, Print ISSN: 2249-3212. Online ISSN :2249-3220,ArticleDOI:10.5958/2249-3220.2014.00004.4,URL:<http://www.indianjournals.com/ijor.aspx?target=ijor:ijdmet&volume=4&issue=2&article=004>
8. MohitGangwar, R. B.Mishra, Rama Shankar Yadav and R.S. Yadav, "CLASSICAL AND INTELLIGENT COMPUTING METHODS IN PSYCHIATRY AND NEUROPSYCHITRY: AN OVERVIEW",International Journal of Advanced Research in IT and Engineering (ISSN: 2278-6244), Volume 3, Issue 12, December 2014, PP. 1-24, URL:<http://www.garph.co.uk/IJARIE-vol3-no12.html>
9. Mohit Gangwar, RB Mishra,Rama Shankar Yadav,Pandey B and R.S. Yadav, "Intelligent Computing Model for The Interpretation of Neuropsychiatric Diseases Based on Rbr-Cbr-Ann Integration", International Journal of Computers & Technology, Vol. 11 issue 5, p.p. 2490-2511, October 2013,URL: <https://cirworld.com/index.php/ijct/article/view/1144ijct>.
10. Mohit Gangwar, RB Mishra, Rama Shankar Yadav and R.S. Yadav, "Intelligent Computing Method for the Interpretation of Neuropsychiatric Diseases", International Journal of Computer Applications, Vol. 55 issue 17, p.p. 23-31, October 2012, URL: <http://research.ijcaonline.org/volume55/number17/pxc3883064.pdf>
11. Arvind Kumar, Rama Shankar Yadav, Ranvijay, Anjali Jain and R.S. Yadav, "Fault Tolerance in Real Time Distributed System", International Journal on Computer Science and Engineering, Vol. 3 No. 2, February 2011, pp:933-939. ISSN: 0975-3397, URL: <http://www.enggjournals.com/ijcse/doc/IJCSE11-03-02-139.pdf>
12. Sarsij Tripathi, Rama Shankar Yadav, Ranvijay, Rajib L. Jana and R.S. Yadav, " Resource Management in Real Time Distributed System with Security Constraints: A Review ",International Journal of Distributed System and Technology, Vol. 2, Issue2, pp: 38-58, (2011). ISSN: 1947-3532, EISSN: 1947-3540, DOI: 10.4018/jdst.2011040103, URL: <https://www.igi-global.com/chapter/resource-management-real-time-distributed/72256>
13. Smriti Agrawal, Rama Shankar Yadav, Ranvijay and R.S. Yadav, "A Three Phase Scheduling For System Energy Minimization Of Weakly Hard Real Time Systems", in Global Journal of Computer Science and Technology (GJCST), Volume 11 Issue 10 Version 1.0 April/May 2011, Online ISSN: 0975-4172, Print ISSN: 0975-4350,URL:

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14. Ranvijay, Rama Shankar Yadav, Smriti Agrawal and R.S. Yadav " Enhanced Aperiodic Responsiveness by Multi Budget Bandwidth Preserving Server" in ACM Special Interest Group on Embedded Systems (SIGBED), Volume 7, Number 2, April 2010 (ISSN: 1551-3688),URL: <http://sigbed.seas.upenn.edu/archives/2010-04/contributed.pdf>
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 16. Raghav Yadav, Rama Shankar Yadav, Hari Mohan Singh and R.S. Yadav“ Two dynamic reconfiguration approaches for optimization of restoration path length in p-cycle protection network,” in Optoelectronics Letters on Vol.6,No.4,July,2010 pp.291-294,Publisher-SpringerURL:<https://link.springer.com/content/pdf/10.1007/s11801-010-0020-9.pdf>.
 17. Smriti Agrawal, Rama Shankar Yadav, Ranvijay and R.S. Yadav, “ A preemption control approach for energy aware fault tolerant real-time systems” International journal of recent trend in engineering, Vol. 1, No. 1, PP. 381-386, ISBN: 1797-9617, URL: <http://www.academypublisher.com/ijrte/vol01/no01/ijrte0101381386.pdf>
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 20. Karan Singh, Rama Shankar Yadav, Ranvijay and R.S. Yadav, “A Review Paper On Adhoc Network Security”, in International Journal of Computer Science and Security (IJCSS) vol. 1, no. 1, July, 2007, pp. 52-69, ISSN: 1985-1533,URL: <http://www.cscjournals.org/manuscript/Journals/IJCSS/Volume1/Issue1/IJCSS-6.pdf>
 21. Raghav Yadav, Rama Shankar Yadav, Hari Mohan Singh and R.S. Yadav, “A Review of Survivable Transport Networks based on p-Cycles” International Journal of Computer Sciences and Engineering Systems, vol. 1, no. 3, pp. 225-233,July 2007,(invited paper), published by Serials publications, doi=10.1.1.125.427,URL:<https://pdfs.semanticscholar.org/8046/83e649e58f453660a9e3057905dc611d0293.pdf>
 22. Abhisekh Songra, Rama Shankar Yadav and Sarshit Tripathi, “Modified Approach For Securing Real Time Application on Clusters”, in International Journal of Security (IJS) vol. 1, no. 1, July, 2007, PP. 32-44, ISSN:1985-2320, URL: <http://www.cscjournals.org/manuscript/Journals/IJS/Volume1/Issue1/IJS-4.pdf>

International/ National Conferences: No.72

1. Naveen Kumar Gupta, Rama Shankar Yadav, Rajendra Kumar Nagaria and R.S. Yadav, “Energy Efficient Angle based Route Selection in 3D Wireless Sensor Networks,” Presented in 58 th SICE Annual Conference (SICE-2019) during Sept.10-13, 2019 at Hiroshima University, Hiroshima, Japan URL:https://controls.papercept.net/conferences/conferences/SICE19/program/SICE19_ContentListWeb_2.html.
2. Naveen Kumar Gupta, Rama Shankar Yadav, Rajendra Kumar Nagaria and R.S. Yadav, “Void Handling in 3D Wireless Sensor Networks,” Presented in 15 th IEEE India Council International Conference (INDICON-2018) during Dec.16-18, 2018 at Amrita Vishwa Vidyapeetham Coimbatore, URL:http://indicon2018.in/conference_programs.php .

3. Shruti Jadon, Rama Shankar Yadav and R.S. Yadav "Load balancing using heuristics", IEEE International Conference on Computing, Power and Communication Technologies (ICPCT), Galgotias University, Gr. Noida 2018, URL: <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8674888> .
4. Sarika Yadav, Rama Shankar Yadav and R.S. Yadav, "Redundancy Elimination during Data Aggregation in Wireless Sensor Networks for IoT Systems", Springer sponsored Conference Proceedings of IC3E'2018, University of Allahabad April 2018, URL: https://link.springer.com/chapter/10.1007/978-981-13-2685-1_20 .
5. Shruti Jadon, Rama Shankar Yadav and R.S. Yadav, "Multicore Processor: Need, coherency and applications" National Conference on Recent Advances in Information & Communication Technologies (RAICT 17), HBTU Kanpur, 2017.
6. Shruti Jadon, Rama Shankar Yadav and R.S. Yadav, "Multicore Processor: Internal structure, architecture, issues, challenges, scheduling strategies and performance", IEEE 11th International Conference on Industrial and Information Systems (ICIIS), IITRoorkee, 2016, URL: <https://ieeexplore.ieee.org/abstract/document/8262970>
7. Anil Kumar Yadav, Rama Shankar Yadav and R.S. Yadav, "Approximation Algorithm for the Traveling Salesman Problem," Accepted in VIII International Symposium on Statistics and Optimization in conjunction with XXXVI-Annual Convention of Indian Society for Probability & Statistics (ISPS) during Dec.17-19, 2016 at the Department of Statistics & Operations Research, A.M.U., Aligarh.
8. Anil Kumar Yama, Rama Shankar Yadav and R.S. Yadav, "K-Domination in Simple Graphs", International Conference on Recent Advances in Mathematical Biological Analysis and Application," organized by Department of Applied Mathematics, Aligarh Muslim University, 4-6 June 2016, Aligarh.
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10. S. Kumar, R. Pratap, Rama Shankar Yadav, P. Kumar and R.S. Yadav, "Modified MAD protocol for VANETs," 2016 3rd International Conference on Computing for Sustainable Global Development (INDIACom), New Delhi, 2016, pp.2896-2900 URL: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7724793&isnumber=7724213>
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14. Mohit Gangwar, Rama Shankar Yadav, R. B. Mishra and R.S. Yadav "Application of decision tree method in the diagnosis of neuropsychiatric diseases", 2014 Asia-Pacific World Congress on Computer Science and Engineering, PP.1-8, DOI:

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15. Anil Kumar Yadav, Rama Shankar Yadav, Rahguraj Singh and R.S. Yadav, "Simple Improved Algorithms for CDS in Wireless Ad Hoc Networks," in International Conference on Physical Science and Technology for Sustainable Development (CONIAPS2014), organized by Indian Institute of Information Technology Design & Manufacturing, March20-22,2014, Jabalpur.
16. Mohit Gangwar, Rama Shankar Yadav, R. B. Mishra and R.S. Yadav, "Data Mining Based Methods For Diagnosis Of Psychiatric Diseases", National Seminar on Data Mining Applications in Health Care, IIT, Allahabad. June 1-2, 2013.
17. Rudra Pratap Ojha Rama Shankar Yadav, Sarsij Tripathi and R.S. Yadavi, "Secure Real Time Scheduling on Cluster with Energy Minimization" , in 9 th International Conference on Quality, Reliability, Security and Robustness in Heterogeneous Networks., Qshine 2013, Greder Noida, India, January 11-12, 2013 published in Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering Volume 115, 2013, Springerlink, ISBN: 978-3-642-37948-2, pp 904-914, URL:https://link.springer.com/chapter/10.1007/978-3-642-37949-9_78
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19. H. K. Dubey, P. Kumar, R. Singh, S. K. Yadav, Rama Shankar Yadav and R.S. Yadav, "Automated data flow testing," 2012 Students Conference on Engineering and Systems, Allahabad, Uttar Pradesh, 2012, pp. 1-5. doi:10.1109/SCES.2012.6199072.URL:<http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=6199072&isnumber=6199003>
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21. Karan Singh, Rama Shankar Yadav and R.S. Yadav, "Multilayer Joining for Receiver Driven Multicast Congestion Control, in 2 nd International Conference on Computer, Communication, Control and InformationTechnology(C3IT-2012) on February 25 – 26, 2012 , SciVerse ScienceDirect,ELSEVIER Publication,Procedia Technology 2102, No.4 ,PP.151-157,URL <http://www.sciencedirect.com/science/article/pii/S2212017312003015>.
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