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### List of Publications (for the past 5 years)

1. M. Kalpana Devi, K. Umamaheswari ,Modified Artificial Bee Colony with firefly algorithm based spectrum handoff in cognitive radio network, International Journal of Intelligent Networks,sciencedirect(2020).ISSN 26666030,https://doi.org/10.1016/j.ijin.2020.07.002.
2. Niranjani G., Umamaheswari K. Modified DFA Minimization with Artificial Bee Colony Optimization in Vehicular Routing Problem with Time Windows. Data Management, Analytics and Innovation. Advances in Intelligent Systems and Computing, Springer(2020). https://doi.org/10.1007/978-981-32-9949-8\_45
3. Rajamohana S.P., Umamaheswari K., Karunya K., Deepika R. Analysis of Classification Algorithms for Breast Cancer Prediction. Data Management, Analytics and Innovation. Advances in Intelligent Systems and Computing, Springer(2020). https://doi.org/10.1007/978-981-32-9949-8\_36
4. S. Sarathambekai , K. Umamaheswari , Task Scheduling in Heterogeneous Computing Systems Using Swarm Intelligence. Wiley Online Library(2020).https://doi.org/10.1002/9781119574293.ch4
5. M. Kalpana Devi & K. Umamaheswari (2019) Intelligent process of spectrum handoff for dynamic spectrum access in cognitive radio network using swarm intelligence, International Journal of Computers and Applications, DOI: 10.1080/1206212X.2019.1704483
6. Anandakumar, H., Umamaheswari, K., Intelligent Spectrum Handovers in Cognitive Radio Networks, EAI/Springer Innovations in Communication and Computing. Springer, 2019. **ISBN** 978-3-030-15415-8,  
a. DOI: 10.1007/978-3-030-15416-5 **Hardcover ISBN** 978-3-030-15415
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9. SP Rajamohana, A Dharani, P Anushree, B Santhiya, **K Umamaheswari** Machine Learning Techniques

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10. Anandakumar, H. & **Umamaheswari, K.**, Cooperative Spectrum Handovers in Cognitive Radio Networks, Book title: Cognitive Radio, Mobile Communications and Wireless Networks, Springer Innovations in Communication and Computing, 2019, <https://doi.org/10.1007/978-3-319-91002-4-3V>
11. Priya, K Umamaheswari, “Aspect-Based Summarisation Using Distributed Clustering And Single ObjectiveOptimisation”,JournalOfInformationSciences,[https://link.springer.com/chapter/10.1007/978-3-030-02674-5\\_9](https://link.springer.com/chapter/10.1007/978-3-030-02674-5_9)
12. R. M. Suruthi and K. Umamaheswari , “Microarray Analysis Using Advanced Particle Swarm Optimization”,J. Comput. Theor. Nanosci. 15, May 2018 , pp. 1656–1661
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16. S.Sarathambekai and K.Umaheswari, “Multi-Objective Optimization Techniques for Task Scheduling Problem in Distributed Systems”, The *computer Journal*, Feb 2018. pp 248-263. ISSN: 1460 2067, doi: 10.1093/comjnl/bxx059, Impact factor: 0.711, Science Citation Index Expanded, Scopus
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