

# Last Five Years Publication 2020

1. **Sharmila Mary Arul**, "Approximation Algorithms for the Achromatic Number of Butterfly and Beneš Networks", **Procedia Computer Science** 172 (2020), 723-72817
2. **Sharmila Mary Arul**, On the Achromatic Number of Mesh Like Trees", **Advances in Mathematics: Scientific Journal** 9 (2020), no.9, 7241-7247
3. S. Sarah Surya, **Sharmila Mary Arul**, And Lian Mathew, "Integer Cordial Labeling for Certain Families of Graphs", **Advances in Mathematics: Scientific Journal** 9 (2020), no.9, 7483-7489
4. **Sharmila Mary Arul**, Umamageswari R.M," On the Achromatic Number of Certain Distance Graphs", **International Journal of Mathematics and Computer Science (ACCEPTED & INVOICE PAID)**
5. **Sharmila Mary Arul**, Umamageswari R.M, "Approximation algorithms for the H-graphs", **Advances in Mathematics: Scientific Journal** 9 (2020), no.10, 8799-8805
6. **Sharmila Mary Arul**, "Approximation Algorithms for the Achromatic Number of certain graceful graphs", **Journal of critical reviews**, 7(5)(2020), 1268-1274.
7. **Sharmila Mary Arul**, "On the Achromatic Number of Hexagonal Networks", **Advances in Mathematics: Scientific Journal (SUBMITTED)**
8. Ruban Aakash. G, Narmada. K, **Sharmila Mary Arul**, "Cybersecurity Learning - A Mathematical perspective", **Advances in Intelligent Systems and Computing (SUBMITTED)**
9. **Sharmila Mary Arul**, "Approximation algorithm for the achromatic number of Web Graph", **Advances in Mathematics: Scientific Journal. (SUBMITTED)**
10. **Sharmila Mary Arul**, "On the Achromatic Number of Certain graphs", **Mathematical Sciences International Research Journal**, Vol.7 (2018), 81-87 (UGC approved)
11. Blessing Solomon B.C, **Sharmila Mary Arul**, "WOT Based routing protocol for the home diagnostic instruments", **IEEE Xplore**, DOI: 10.1109/ICONSTEM.2017.8261422, (2018)
12. **Sharmila Mary Arul**, "On the Achromatic Number of Honeycomb Networks", **Asian Journal of Research in Social Sciences and Humanities** 6(2016), no.9, 2112-2122, ISSN 2249-7315, DOI NUMBER: 10.5958/2249-7315.2016.00932.1 (**Annexure 1 until Sep 2016**)
13. Umamageswari R.M, **Sharmila Mary Arul**, "Pseudo-Achromatic Number of Honeycomb Derived Networks", **Asian Journal of Research in Social Sciences and Humanities** 6(2016), no. 10, 1963-1972. ISSN 2249-7315, DOI NUMBER: 10.5958/2249-7315.2016.01145.X (**Annexure 1 until Sep 2016**)
14. **Sharmila Mary Arul**, "An implementation of a Graph Theoretical Approach for Indian Municipal Waste Collection Management Using IOT", **International Journal of Pure and Applied Mathematics**, 106(2016) no.7, 1-7
15. **Sharmila Mary Arul**, Blessing Solomon B.C, P. Gopinath, "An implementation of automated water tank Based on Graph Theoretical Approach Using IOT and Raman Spectroscopy", **International Journal of Pure and Applied Mathematics**, 106(2016) no.6, 25-31.

16. **Sharmila Mary Arul**, K. Subashini, "Cordial Labeling of Mongolian Tent Mn", **International Journal of Pure and Applied Mathematics**, 106(2016) no.8, 1-6
17. **Sharmila Mary Arul**, R.M. Umamageswari, "On the Pseudo-Achromatic Number of Few Corona Graphs", **International Journal of Pure and Applied Mathematics**, 106(2016) no.7, 21-29
18. **Sharmila Mary Arul** and P.Sivagami, "Bounds on the 3-rainbow Domination", **Journal of Combinatorial Mathematics and Combinatorial Computing**, 92(2015), 175-184
19. P.Sivagami, Indra Rajasingh and **Sharmila Mary Arul**, "On 3-Rainbow Domination In Hexagonal Networks And Honeycomb Networks", **International Journal of Pure and Applied Mathematics**, Vol.101 No. 5(2015), 839-847