

Auxilium College (Autonomous), Vellore-6

Publications

1. **Dr. Elizabeth S., Abirami M., and Sujatha L.,** Finding Critical Path in a Project Network under Fuzzy Environment, *Mathematical Sciences International Research Journal*, Vol. 5, Special Issue 1, pp.31-36, **March 2016**, ISSN: 2278-8697.
2. **Dr. Elizabeth S, Sujatha L., and Anjali P.,** Fuzzy zero point Method for finding the fuzzy objective value for UFTP, *Global Journal of Pure and Applied Mathematics*, Vol. 12, No. 3, pp.817-823, **2016**, ISSN: 0973-1768.
3. **Dr. Sujatha L., and Daphene Hyacinta J.,** The shortest path problem on networks with intuitionistic fuzzy edge weights, *Global Journal of Pure and Applied Mathematics*, Vol. 13, No. 7, pp. 3285-3300, **2017**, ISSN: 0973-1768.
4. **Dr. Sujatha L., and Daphene Hyacinta J.,** Application of Triangular Fuzzy Membership Matrix in the Study of Medical Diagnostic Model, *Advances in Fuzzy Mathematics*, Vol. 12, No. 4, pp. 945-953, **2017**, ISSN: 0973-533X.
5. **Dr. Sujatha L., Vinothini P., and Dr. Jothilakshmi R.,** Solving Fuzzy Transportation Problem using Zero Point Maximum Allocation Method, *International Journal of Current Advanced Research*, Vol. 7, Issue 1, pp.173-178, **January 2018**, ISSN: O: 2319-6475, P: 2319-6505.
6. **Dr. Sujatha L., Thara Jeni S. A., Benith Sowmya T., and Jayasankari S.,** Solving Maximization problem in FTP and FAP using Fuzzy one point method, *Mathematical Sciences, International Research Journal*, Vol. 7, Issue 2, pp.486-492, **2018**, ISSN: 2278-8697.
7. **Dr. Sujatha L., and Deepalakshmi K.,** Solving Transshipment Problem using Zero Point and ICM Method, *International Journal of Research and Analytical Reviews*, Vol. 6, Issue 1, pp.56-60, **February 2019**, ISSN: 2349-5138, EISSN 2348-1269.
8. **Dr. Sujatha L., Deepika P., and Kalaivani K.,** Fuzzy TOPSIS method for solving MCDM problems using Metric Distance and Similarity Measure, *International Journal of Research and Analytical Reviews*, Vol. 6, Issue 1, pp.550-553, **February 2019**, ISSN: 2349-5138, EISSN 2348-1269.
9. **Dr. Sujatha L., Geetha Priya M., Pavithra N., and Akila R.,** Fuzzy Transshipment Model using Fuzzy One Point Method, *Advances in Mathematics: Scientific Journal*, Vol. 9, No. 8, pp.6153-6167, **2020**, ISSN: 1857-836 EISSN: 1857-8438.

10. **Dr. Priyanka Victor, and Dr. Preethi Victor,** The Effects of Overeating, Socioeconomic Status and Modern Practices: A Structural Equation Modelling Approach to Obesity in Teenage Girls, *Journal of Computational Mathematica*, Vol. 4, No. 1, pp.125-126, **2020**, ISSN: 2456-8686.
11. **Md. Shahira Sulthana, Margaret Joan Jebarani G., and Dr. Sujatha L.,** A mathematical model for apportionment and reapportionment using F26A graph and the magic labelling, *Malaya Journal of Matematik, an International Journal of Mathematical Sciences with Computer Applications*, Vol. 9, No. 1, pp.396-398, **2021**, ISSN: 2319-3786 (Print); ISSN:2321-5666 (Online).
12. **Dr. Sujatha L., and Anbarasi N.,** Fuzzy Shortest Path Problem with Triangular Intuitionistic Fuzzy Numbers as Arc Lengths, *Advances and Applications in Mathematical Sciences*, Vol. 21, Issue 4, pp.1687-1701, **February 2022**, ISSN 0974-6803.
13. **Md. Shahira Sulthana, Margaret Joan Jebarani G., and Dr. Sujatha L.,** A coding technique with atomic numbers using the prime cordial labelling on F26A graph, *Advances and Applications in Mathematical Sciences*, Vol. 21, Issue 4, pp.1745-1752, **February 2022**, ISSN 0974-6803.
14. **Priya P., and Dr. Sabarmathi A.,** Caputo fractal fractional order of Soil Pollution model due to industrial and agrochemical- *International Journal of applied and computational mathematics*, Vol. 8, Issue 5: 250, pp. 1-22, **Sep 2022**, ISSN:2349-5103.
15. **Priya P., and Dr. Sabarmathi A.,** Uniform Asymptotic Stability of Sir Model with Distributed Delay: A Case Study of Nipah Virus- *Mathematical Statistician and Engineering Applications*, Vol. 71, Issue 4, pp. 8547-8554, **Dec 2022**, ISSN: 2094-0343.
16. **Aruna G., and Dr. Jesintha Rosline J.,** Prism Fuzzy number and its applications, *AIP Journal, AIP Conference Proceedings, AIP Publishing*, Vol. 2852, Issue 1, pp.100007-1 -100007-19, **August 2023**, ISSN: 0094243X, 15517616.
17. **Priya P., and Dr. Sabarmathi A.,** Dynamic efficacy of soil pollution using Fractional order model Adomian Decomposition approach. *Journal of Propulsion Technology* Vol. 44, No. 4, pp. 2962-2974, **2023**, ISSN: 1001-4055.
18. **Aruna G., Dr. Jesintha Rosline J., and Anthoni Amali A.,** Quadrasophic Fuzzy Sets and its applications in OCD - decision making, *Journal of Propulsion Technology*, Vol. 44, Issue 4, pp.5928 – 5938, **November 2023**, ISSN: 3241-3258.