

# SSN College of Engineering, Kalavakkam

## Mathematics Department

### Journal Publications

Year	No. of. Journals
2012	11
2013	9
2014	12
2015	28
2016	24
2017	24

S.No	Status	2012	2013	2014	2015	2016	2017
1	Thompson Reuters	-	3	3	1	2	4
2	Scopus	4	2-1	6-3	19-1	13-1	16-4
3	ISSN	7	4	6	9	5	3
4	ISBN	-	-	-	-	5	1
5	None	-	1	-	-	-	-
Total		11	9	12	28	24	24

### 2012

1. B.Praba, P.Venugopal, N. Padmapriya, Metric dimension in Fuzzy Graphs- A Novel Approach, Applied Mathematical sciences, Vol 6, pp.2573-2583, 2012, ISSN no.1312-885X.
2. R. Sujatha, An Introduction to Intuitionistic Markov Chain, International Mathematical Forum, Vol. 7, No. 50, pp.2449 – 2456, 2012, ISSN : 1312-7594.
3. R. Sujatha and T.M. Rajalaxmi, Computation of the Entropy of Fuzzy Hidden Markov Chain, Applied Mathematical Sciences, Vol. 6, No. 100, 4981 – 4994, 2012, ISSN : 1312-7594.
4. I. Jayakaran Amalraj, S Narasimman, A Kandasamy, Rheodynamic Lubrication of an Externally Pressured Thrust Bearing Using Herschel-Bulkley Fluid with Sinusoidal Injection, Journal of Applied Fluid Mechanics, Vol. 5, No.4, pp.71-79, 2012, ISSN: 1735-3572.
5. I. Jayakaran Amalraj, S Narasimman, A Kandasamy, Inertia Effects in an Externally Pressurized Thrust Bearing Using Herschel-Bulkley Lubricants, American Journal of Computational and Applied Mathematics, Vol. 2, No.3, pp79-85, 2012, ISSN: 2165-8935.

6. M. Shanmugapriya, Viscous Dissipation Effects on MHD Forced Convection Flow over a Wedge in the Presence of Suction/Injection, Journal of Applied Mathematics and Fluid Mechanics, Volume 4, Number 2, pp.111-128, 2012, ISSN 0974-3170.
7. S.Vanitha, Two stages M/M/1 feedback queue with modified Bernoulli schedule vacations based on exhaustive service, Advances in Theoretical and Applied Mathematics, Vol.7, No.1, pp. 13-24, 2012, ISSN 0973-4554.
8. S.Vanitha, M/G/1 feedback queue with two stage heterogeneous service with time homogeneous breakdowns and deterministic repair times, International journal of Information and Management Sciences, Vol. 23, No.3, pp.305-321, 2012, ISSN: 10171819.
9. S. Arumugam and M. Sundarakannan, Equivalence Chain in graphs, J. Combin. Math. Combin. Comput., Vol.80, pp.277-288, 2012, ISSN: 0835-3026.
10. R.Sundareswaran, and V.Swaminathan, Domination Integrity in Trees, Bulletin of International Mathematical Virtual Institute, ISSN 1840-4367, Vol. 2, pp.153-161, 2012, ISSN 1840-4367.
11. Sundareswaran, R. and Swaminathan, V., Equi-Integraty Partitions In Graphs, Bulletin of International Mathematical Virtual Institute, ISSN 1840-4367, Vol. 2, pp.93 – 100, 2012, ISSN 1840-4367.

## **2013**

1. B.Praba and R.Mohan, Rough Lattice, International Journal of Fuzzy Mathematics and Systems, vol.3, No.2, pp.135-151, 2013, ISSN 2248-9940.
2. B.Praba, V.M.Chandrasekaran & A.Manimaran, A Commutative regular monoids on Rough sets, Italian Journal of Pure and Applied Mathematics, Vol.31, pp.307-318, 2013, ISSN 2239-0227.
3. S. Srikrishna and B. Praba, Steady State Fuzzy Probability Distribution of Fuzzy Semi-Markov Model, International Review of Applied Engineering Research, Vol.3, No.2, pp.137-146, 2013, No ISSN.
4. R. Sujatha, T. M. Rajalaxmi and B. Praba, Fuzzy Hidden Markov Chain for Web Applications, International Journal of Information Technology & Decision Making, Vol.12. No.4, pp.813-835, 2013, ISSN : 0219-6220,.

5. S.Arumugam, M. Sundarakannan , Equivalence Dominating Sets in Graphs, *Utilitas Mathematica*, Vol.91, pp.231-242, 2013, ISSN: 03153681.
6. A.VijayaKumar and S.Sophia, Stationary solution to a tandem fluid queue with input controlled by exponential times, *International Journal of Operations Research*, Vol.18, No.1, pp.71-90, 2013, ISSN: 1813-713X
7. Kalaivani Chandran and Roopkumar Rajakumar, Fuzzy proper functions and net convergence in smooth fuzzy topological spaces, *Annals of Fuzzy mathematics and Informatics*, Vol.6, No.3, pp.705-726, 2013, ISSN: 2287-6235
8. R. Saritha, Prime and Semiprime Bi-ideals in Ordered Semigroups, *International Journal of Algebra*, Vol.7, No.17, pp.839 – 845, 2013, ISSN : 1312 8868
9. Jayakaran Amalraj, S.Narasimman and A.Kandasamy, Inertia Effects in Rheodynamic Lubrication of an Externally Pressurized Thrust Bearing using Bingham Lubrication with Sinusoidal Injection, *Journal of Applied Fluid Mechanics*, Vol.6, No.4, pp.609-616, 2013, ISSN: 1735-3572.

## **2014**

1. A.Manimaran, B.Praba and V. M. Chandrasekaran, “Regular Rough Monoid of idempotents”, *International Journal of Applied Engineering and Research (IJAER)*, Vol.9, No. 16, pp.3469-3479, July, 2014, ISSN 0973-4562.
2. G.Deepa, B.Praba and V. M. Chandrasekaran, “Virus Spread in an Intuitionistic Fuzzy Network”, *International Journal of Applied Engineering and Research (IJAER)*, Vol.9, No. 19, pp.5507-5515, July, 2014, ISSN 0973-4562.
3. B.Praba, V.M. Chandrasekaran and G.Deepa, “Energy of an Intuitionistic Fuzzy Graph”, *Italian Journal of Pure and Applied Mathematics*, Vol.32, August, 2014, ISSN 2239-0227.
4. Sujatha, R, Senthilkumar, C, Boopathi,M, “Application of Genetic Algorithm for Generation of Error Prone Path in Software Systems”, *Pensee Journal*, Vol.76, No.2, pp.34-44, January, 2014, ISSN : 0031-4773.

5. Senthil Kumar.C, Sujatha,R, Boopathi.M.,(2014) Genetic Algorithm approach based on Markov Model and Basic Path Testing for MIMO Systems in Software testing, Life Cycle Reliability and Safety Engineering, Vol.3, Issue 4, 01-07, 2014, ISSN : 2250 0820.
6. R.Sundara Rajan, Indra Rajasingh, N. Parthiban, T.M. Rajalaxmi, A linear time algorithm for embedding hypercube into cylinder and torus, Theoretical Computer Science, 542, 108 - 115, 2014, ISSN-0304-3975.
7. M.Shanmugapriya, "Effects of MHD and thermal radiation on forced convective flow over a porous plate embedded in a porous medium", International Journal of Theoretical and Applied Mechanics, Vol. 9, No. 1, pp. 1-14, February, 2014, ISSN 0973-6085.
8. C. Kalaivani and R. Roopkumar, "Fuzzy Perfect Mappings and Q- Compactness in smooth Fuzzy Topological Spaces", Fuzzy information and engineering, pp.115-131, Vol.6, No.1, August, 2014, ISSN: 1616-8658.
9. Bharati Rajan, IndraRajasingh, P.Venugopal and M.Chris Monica, "Minimum Metric Dimension of Illiac Networks", Ars Combinatoria, Vol.117, pp.95-103 October 2014, ISSN: 0381-7032.
10. N. Padmapriya, "Methodology for the identification of lesions in color retinal images", Eduventure Journal of QMC, Vol. 7, Issue. 13, December 2014, ISSN 2319-1791.
11. S.Sophia and A.Vijayakumar, "Exact Solution to Tandem Fluid Queues with Controlled Input, 'Stochastic Analysis and Applications, Vol.33, pp.21-39, 2014, ISSN 0736-2994.
12. R.Saritha, Cartesian Product on Fuzzy Prime and Fuzzy Semiprime ideals of ordered semigroups, International Journal for Research in Emerging Science and Technology, Vol.1, Issue-5, 2014, ISSN: 2349-7610.

## **2015**

1. G.Deepa, B.Praba and V.M.Chandrasekaran, Max-Min Intuitionistic Fuzzy Matrix of an Intuitionistic Fuzzy graph, International Journal of Pure and Applied Mathematics, vol 98, pg: 375-387, 2015, ISSN:1311-8080.

2. B.Praba, A.Manimaran and V.M.Chandrasekaran, The zero divisor graph of a rough semiring, *International Journal of Pure and Applied Mathematics*, vol 98, pg: 33-37, 2015, ISSN:1311-8080.
3. B.Praba, V.M.Chandrasekaran and A.Manimaran, Semiring on Rough sets, *Indian Journal of Science and Technology*, vol 8 (3), pg: 280-286, 2015, ISSN:0974-5645.
4. R.Sujatha and T.M.Rajalaxmi, Long-Run Behaviour of Intuitionistic Markov Chain, *Journal of Combinatorial Mathematics and Combinatorial Computing*, Vol 92, pg: 289-295, ISSN: 0835-3026.
5. S.Arumugam and M. Sundarakannan, On equality in an upper bound for the equivalence domination number, *Quaestiones Mathematicae*, Vol: 38, Pg: 63-71, ISSN:1607-3606.
6. Indra Rajasingh, R. Sundara Rajan, N. Parthiban, T. M. Rajalaxmi, Both way embedding of circulant network into grid, *Journal of Discrete Algorithms*, vol:33, Pg: 2-9, ISSN : 1570-8667.
7. Preethi.J, N.Sujaudeen, T.T.Mirnalinee and P.Venugopal, Cloud Service ranking and selection using Linear Programming, *International Journal of Computer Applications* , vol: 124(3), ISSN : 0975-8887.
8. B.Praba, A Characterization on the compliments of the elements of Rough Lattice, *JP Journal of Algebra, Number theory and applications*, vol 36(2), pg: 189-199, ISSN: 0972 5555.
9. R.Sujatha, M.Boopathi, Reliability Estimation of state dependent systems using fourth order Runge-Kutta Algorithm, *International Journal of Pure and Applied Mathematics*, pg: 734-739, ISSN: 1311-8080.
10. R.Sujatha and T.M.Rajalaxmi, Computation of Entropy of Most Likelihood State Sequence obtained from Non Homogenous Fuzzy Hidden Markov Chain, *Chiang Mai Journal of Science*, vol 42, pg 1-13, ISSN: 0125-2526
11. R.Sundareswaran and V.Swaminathan, Distance Majorization sets in Graphs, *TWMS Journal of Applied Engineering Mathematics*, vol 1(2), pg: 1-5, ISSN: 2146-1147.
12. R.Sundareswaran and V.Swaminathan, Computational complexity of Domination Integrity in Graphs, *TWMS Journal of Applied Engineering Mathematics*, vol 5(2), pg: 1-5, ISSN: 2146-1147.
13. S.Sophia and B.Praba, Steady-state Behaviour of an M/M/1 Queue in Random Environment subject to system failures and repairs, *International Journal of Pure and Applied Mathematics*, vol 101(2), pg:267-279, ISSN: 1311-8080.

14. S.Vanitha, M/G/1 Feedback Queue with three stage Heterogeneous service and deterministic server vacations, International Journal of Applied Engineering Research, vol 10(4), pg 11437-11453, ISSN: 0973-4562.
15. R.Sundararajan, R.Jayagopal, IndraRajasingh, T.M.Rajalaxmi and N.Parthiban, Combinatorial properties of Root-fault Hypertrees, Proceedia Computer Science, vol 57, pg: 1096–1103, ISSN:1877-0509.
16. T.M.Rajalaxmi and R.Sundara Rajan, Embedding of Hypercube into Extended rooted Theta mesh, Proceedia Computer Science, vol 57, pg.: 670–677, ISSN:1877-0509.
17. R.Sundara Rajan, N.Parthiban and T.M.Rajalaxmi, Embedding of recursive circulants into certain necklace graphs, Journal of Mathematics in Computer Science, vol 9(2), pg.:253-263, ISSN: 161-8270.
18. Kuppuswami, G, Sujatha, R, Vasantha, W.B, Study of traffic flow using CETD matrix, Indian Journal of Science and Technology, vol 8(24), pg.: 1-4, ISSN: 0974-6846.
19. Sujatha.R, Sharmila,V and Naramimman.S, Fuzzy probability approach to hidden Markov chains with states depending on observation, International Journal of Applied Engineering Research, vol 1(80),, pg.:1-4, ISSN: 0973-4562.
20. Sujatha. R, Saravanan,M and Sundareswaran,R, A Study On Regular Fuzzy Graphs and Integrity of Fuzzy Graphs , International Journal of Applied Engineering Research, vol 10(80), pg.: 160-164, ISSN: 0973-4562.
21. Sujatha. R, Naveen,S, Sharmila.V and Narasimman.S, Fuzzy probability approach to hidden Markov chain, International Journal of Applied Engineering Research, vol 10(80), pg.: 209-213, ISSN: 0973-4562.
22. Sujatha, R., Sharmila. V. and T.M. Rajalaxmi, Fuzzy Hidden Semi Markov Chain, International Journal of Pure and Applied Mathematics, vol 101(6), pg.:833-901, ISSN: 1311-8080.
23. S.Sophia and A.Vijayakumar, Exact Solution to Tandem Fluid Queues with Controlled Input, Stochastic Analysis and Applications, vol 33, pg.:21-39, ISSN:0736-2994.Thompson Reuters
24. S. Vanitha, On the M/G/1 queue with batch service and compulsory server vacations, International Journal of Applied Engineering Research, vol 10(11), pg.: 29681-29694, ISSN: 0973-4562.

25. B. Praba, G. Deepa and V.M. Chandrasekaran, Energy of a Dominating Intuitionistic Fuzzy Graph, International Journal of Pharmacy and Technology, vol 7(2), pg.: 8876-8886, ISSN:0975-766x.
26. C. Kalaivani and R. Roopkumar, A new closure operator and some kinds of fuzzy super continuous functions on smooth fuzzy topological spaces, Annals of fuzzy mathematics and Informatics, vol 9(4), pg.: 649-663, ISSN: 2093-9310.
27. C. Kalaivani and R. Roopkumar, Some weaker forms of smooth fuzzy continuous functions, Contributions, section of natural, mathematical and bio technical sciences, vol 26(2)pg.: 153-164, ISSN: 1857–9027.
28. S.Vanitha M/G/1 feedback queue with three types of service, Global Journal of Pure and Applied Mathematics, Vol.11(5),pp.2787-2811, ISSN: 0973-1768

## **2016**

1. M. Shanmugapriya, “Magnetohydrodynamic (MHD) Mixed Convective Flow and Heat Transfer over an Inclined Plate with Radiation Effect”, ARPN Journal of Engineering and Applied Sciences, (ISSN 1819-6608), Vol. 11, No. 3, 2016.
2. S.Sophia, “Transient Analysis of a Discouraged Arrival Queue Subject to Total Catastrophies, Failures and Repairs”, International Journal of Pure and Applied Mathematics, (ISSN 1311-8080), Volume 108, No. 1, pp.93-106, 2016.
3. P. Paulraja and S. Sampath Kumar, “Edge Disjoint Hamilton Cycles in Knodel Graphs”, Discrete Mathematics and Theoretical Computer Science, (ISSN 1365-8050), Volume 17, No. 3, pp. 263-284, 2016.
4. Lakshmipriya R, Padmapriya N, Hanis S, “Multiresolution based detection of Macular Degeneration”, International Journal of Applied Engineering Research, (ISSN 0973-4562), Volume 11, Number 4, pp. 2161-2164, 2016
5. Crostack H.A., and Padmapriya N., “NDT of Coatings, Surface Modified Layers, and Adhesives”. In: Saleem Hashmi (editor-in-chief), Reference Module in Materials Science and Materials Engineering. Oxford: Elsevier (ISBN: 978-0-12-803581-8), pp. 1-4, 2016.
6. Kinloch A.J., and Padmapriya N., Polymer Glasses, “Fracture of Adhesive Joints” In: Saleem Hashmi (editor-in-chief), Reference Module in Materials Science and Materials Engineering. Oxford: Elsevier; (ISBN: 978-0-12-803581-8), pp. 1-5, 2016.

7. Boyer R., and Padmapriya N., "Aircraft Materials". In: Saleem Hashmi (editor-in-chief), Reference Module in Materials Science and Materials Engineering. Oxford: Elsevier (ISBN: 978-0-12-803581-8), pp. 1-9, 2016.
8. G.Deepa, B. Praba, V.M.Chandrasekaran, "Spreading rate of Virus on Extreme Energy of An Intuitionistic Fuzzy Graph", International Journal Of Pharmacy & Technology, (ISSN 0975-766X), Volume 8(2), pp.13286-13294, 2016.
9. B.Praba, A. Manimaran, V. M. Chandrasekaran, "Total Graph and Complemented Graph of a Rough Semiring", Gazi University Journal of Science, (ISSN 1303 9709) Volume 29(2), pp.459-46, 2016.
10. G.Deepa, B. Praba, V.M.Chandrasekaran, "A Study on Energy of an Intuitionistic Fuzzy Directed Graph", Research Journal of Pharmacy and Technology, (ISSN 0974-360X), Volume 9 (2), pp.190-195, 2016.
11. Manimaran, V. M Chandrasekaran and B. Praba, "A Review of Fuzzy Environmental Study in Medical Diagnosis System", Research Journal of Pharmacy and Technology, (ISSN 0974-360X), Volume 9 (2), pp.119-126, 2016.
12. B.Praba, G.Deepa and V.M.Chandrasekaran, Spreading rate of virus between incoming and outgoing links of a website through an intuitionistic fuzzy graph, International Journal of Pure and Applied Mathematics, Volume 109 No. 4, pp.799-812, 2016.
13. G.Deepa, B.Praba and V.M.Chandrasekaran, Spreading Rate of Virus on Energy of Laplacian Intuitionistic Fuzzy Graph, Research J. Pharm. and Tech.Vol.9, Issue 8, 2016.
14. R.Sundareswaran , V.Swaminathan, "Integrity and Domination Integrity of Gear Graphs", TWMS J App. Eng. Math.(ISSN 2146 1147), Vol.6, no.1, pp. 54-63, 2016.
15. A. P. Pushpalatha , G. Jothilakshmi , R.Sundareswaran , "Forcing sets in graphs with respect to domination", International Journal of Applied Engineering Research, (ISSN 0973-4562), Vol. 11 No.1, pp.136-138, 2016.
16. Sujatha, R, Saravanan, M, Sundareswaran, R, "Integrity of Fuzzy Graphs", Bulletin of the International Mathematical Virtual Institute,(ISSN 2303-4874), Vol.6, pp.89-96, 2016 .
17. Sujatha, R., Rajalaxmi, T.M., "Hierarchical Fuzzy Hidden Markov Chain for Web Applications", International Journal of Information technology & Decision Making,(ISSN 0219-6220), Vol.15, No.1,pp.83-117, 2016.



18. R.Sujatha, M.Boopathi, C.Senthilkumar, S.Narasimman, "Reliability Estimation of m-out-of-n Standby Systems using Fourth Order Runge Kutta Algorithm", SRESA's International Journal of Life Cycle Reliability and Safety Engineering, (ISSN 2250-0820) Vol.5,Issue 1, pp. 20-31,2016 .
19. I. Jayakaran Amalraj and G. Alexander Raymand, Core Variation in an Externally Pressurized Converging Thrust Bearing with Bingham Lubricant, Applied Mechanics and Materials, (ISSN 1662-7482), Vol. 852, pp 428-434, 2016.
20. Williamson A., and Padmapriya N., Cost of Alternative Techniques for Manufacturing Composite Aerospace Designs. In: Saleem Hashmi (editor-in-chief), Reference Module in Materials Science and Materials Engineering. Oxford: Elsevier, (ISBN: 978-0-12-803581-8), pp. 1-5, 2016.
21. Namkung M., Wincheski B., and Padmapriya N., NDT in the Aircraft and Space Industries. In: Saleem Hashmi (editor-in-chief), Reference Module in Materials Science and Materials Engineering. Oxford: Elsevier, (ISBN: 978-0-12-803581-8), pp. 1-4, 2016.
22. M.Shanmugapriya, Effect of Thermal Radiation on Forced convective flow over a porous moving plate, International Journal of Mechanical Engg and Technology, Vol.7, Issue 6, pp.577-588, 2016.
23. S. M. Asha Banu, S. Sakthivel Murugan, P. Venugopal, Study Of Vertical Coherence In Shallow Water Ambient Noise, Advances in Natural and Applied Sciences, Vol.10, No.14, Pp: 59-64, 2016.
24. S.Vanitha, M/G/1 Queue with Multiple Optional Services and Deterministic Repair Times, International Journal of Mathematics And its Applications, Volume-4, Issue-4,pp.17-29,2016.

## **2017**

1. V. M. Chandrasekaran, A. Manimaran and B. Praba, Ideals of a Commutative Rough Semiring, Bulletin of the Transilvania University of Brasov, Vol 10 (59), no. 1, Series III: Mathematics, Informatics, Physics, pp. 67-82, June 2017.
2. Manimaran, B. Praba and V. M. Chandrasekaran, Characterization of Rough Semiring, Afrika Matematika, Issue: 5-6, Vol.28, pp.945-956, March 2017

3. G.Deepa, B.Praba, V.M.Chandrasekar, Bound of energy with real and complex roots of an intuitionistic fuzzy directed graph, International journal of Mathematical Modelling and Numerical Optimisation, Vol.8, No.1, March 2017 .
4. S. Narendren, A.Manimaran, V.M.Chandrasekaran and B.Praba, “ Secure Multicast Communication using RSA and DNA Cryptography”, Research Journal of Pharmacy and Technology, Issue.1, Vol.10, 113 – 116, March 2017
5. Praba. B, Deepa. G, Chandrasekaran.V.M,” Spreading Rate of Virus on Energy of Dominating Intuitionistic”, Fuzzy Graph Research Journal of Pharmacy and Technology, Issue.1, Vol.10, pp. 882-890, March 2017
6. M.Boopathi, R.Sujatha, C.Senthilkumar and S.Narasiman, Quantification of Software code Coverage using Artificial Bee colony Optimization based on Markov approach, Arab Journal of Science and Engg, Vol.42, pp.3503-3519, May 2017.
7. Koehler, W., Plege, B., Sahm, K.F., and Padmapriya, N. (2017) Metal Forming: Specialized Procedures for the Aircraft Industry. In: Saleem Hashmi, Reference Module in Materials Science and Materials Engineering. vol. 13, pp. 1–8, April 2017.
8. N.Padmapriya, N.Venkateswaran, Toshita Kannan & M.Sindhu published a paper titled “Non-invasive Glaucoma Screening Using Ocular Thermal Image Classification” CIT. Journal of Computing and Information Technology, Vol. 25, No. 3, pp.223–232, 2017
9. Dr.R.Sundareswaran“ir-Excellent Graphs” at the Bulletin of the international mathematical virtual institute, Vol. 7, pp. 505-514, April 2017
10. P.Deepa, P.Srinivasan and M.Sundarakannan, Local coloring of self complementary graphs, AKCE International Journal of graphs and combinatorics, Vol.14, pp. 35-41, April 2017.
11. Annalakhmi. G, Sakthivel Murugan S, Venugopal P, Swetha V, Vaishali S, Coherence Analysis of Ambient Noises in Shallow water for underwater Communication, Journal of Marine Science and Technology, Vol 25, No 3, pp 311-318, June 2017. Thompson Reuters
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13. Dr.G.Kalpana and Dr. C.Kalaivani "Fuzzy soft Topology" International Journal of Engineering Studies, Volume 9, Number 1, pp.45-56, February 2017.

14. C.Kalaivani and G.Kalpana, Common fixed point theorem in b-metric space using subcompatible and sequentially continuous maps, *Global Journal of pure and applied Mathematics*, Vol 13, No.1, pp. 306-314, June 2017
15. G.Velmurugan, R.Rakkiyappan, V.Vembarasan, Jinde Cao and Ahmed Alsaedi, "Dissipativity and stability analysis of fractional-order complex-valued neural networks with time delay" at the *Journal of Neural Networks*, Vol.86 pp.42-53, 2017. Thompson Reuters
16. S.Yukesh and P.Devaraj published a paper entitled " Reconstruction Of Bivariate Cardinal Splines Of Polynomial Growth From Their Local Average Samples" in " *Applied Mathematics E-Notes*", Vol: 17, pp: 47-57, 2017.
17. R. Sundara Rajan, Indra Rajasingh, Michael Arockiaraj, T.M. Rajalaxmi and B. Mahavir "Embedding of Hypercubes into Generalized Books", *ARS Combinatoria*, vol.135, pp. 133-151, October 2017. Thompson Reuters
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19. Sujatha. R, Boopathi. M, Nishanth. S and Vijayan. S, Reliability Evaluation of Petri Nets System Using Fifth Order Runge – Kutta Method Based on Markov Model, *International Journal of Pure and Applied Mathematics*, Vol.117, No. 21, 327-340, 2017. (**scopus**).
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21. V M Chandrasekaran, B Praba, A Manimaran, G Kailash, Data transfer using complete bipartite graph, *IOP Conf. Series: Materials Science and Engineering* 263 (2017) 042120 (**Scopus**)
22. B.Praba, G.Gomathi, Multi Layered Fuzzy Attributed Fuzzy Soft Matrices for Complex Decision Making Systems, *International Journal of Pure and Applied Mathematics*, Vol. 117, No. 9, 139-143, 2017. (**Scopus**)
23. B.Praba, Benazir Obilia.X.A, Saranya. R, Domination number of a Rough Ideal based Rough Edge Cayley Graph through Category Graph, *International Journal of Pure and Applied Mathematics*, Vol. 117, No. 9, 187-191, 2017. (**Scopus**)

24. A. Manimaran , S. Murali , B. Praba , V.M. Chandrasekaran, Aishwarya Alesh,  
Dynamic Traffic Routing Based on Feedback Mechanisms Using RF Algorithm,  
International Journal of Pure and Applied Mathematics Vol. 117, No. 7, 23-30, 2017.  
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