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B Thilaka received her Masters degree in Mathematics from the University of Madras, pre-doctoral degree in commutative algebra from Pondicherry University and earned her Doctoral degree in stochastic processes from Anna University, Madras. Her area of interest includes Stochastic Models in Biological systems and Human Resource Management, Queuing Theory, Image Processing, Pattern Recognition, Cryptography and Algebra. She is a contributory author for the fourth edition of the book 'Probability, Statistics and Random Processes for Engineers', Pearson International. She has published many research articles in reputed international journals of mathematical sciences. She is also a reviewer for reputed international journals. She has 22 years of teaching experience in engineering colleges. She is presently Anna University nominee – member of Board of studies for Mathematics of Kamaraj College of Engineering and Technology, Virudhunagar. Currently, B Thilaka is a Professor at the Applied Mathematics Department and Deputy Controller of Examinations of Sri Venkateswara College of Engineering, Sriperumbudur, Chennai, India.

Publications of the last five years :

1. Human Resource Planning and Engagement – Decision Support through Analytics”, International Journal of Science, Technology and Management, Vol. No. 4, Special Issue No. 01, September 2015, pp 5 – 15.
2. “Employee engagement maturity : A quantitative analysis of public sector enterprises of India” , International Journal of Applied Engineering Research (IJAER), Vol. No. 10, Number 63 (2015) Special Issues, pp 11 -15.
3. ‘Decision Support for Employee Engagement Initiatives: Cumulative Value - Addition’, Asian Journal of Research in Social Sciences and Humanities, Volume 6, Issue 6, June 2016 pp. 2136 - 2151 ISSN: 2249-7315(Online).
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6. "Pressure for Promotion in Hierarchical Grade Structures", Proceedings of the International Conference on Big Data Analytics and Computational Intelligence, March 23-25, 2017, Chirala Engineering College, Chirala, India. pp17-21, IEEE conference
7. "Performance Analysis for Queueing Systems with close down periods Subject to Catastrophe", International Journal of Pure and Applied Mathematics, Volume 119, No 7, 2018, pp 39 -57 ISSN: 1311-8080(printed version); ISSN: 1314-3395(online version)
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