

## **DC Member Details:**

Dr. T. Thyagarajan

Professor, IE & Dean – MIT Campus, AU.

## **Publication Details:**

1. Kamal Chakrapani, Thyagarajan Thangavelu, Kalpana Dharmalingam, “Multiobjective design optimization and analysis of magnetic flux distribution for slotless permanent magnet brushless dc motor using evolutionary algorithms, Journal of magnetism and magnetic materials, Jan, 2019, pp524-537 (Impact factor : 3.046)
2. Kalpana Dharmalingam, Thyagarajan Thangavelu, “Parameter estimation using relay feedback”, Reviews in Chem Engineering, March 2018, pp1-26, (Impact Factor: 4.3)
3. Ramakrishnan Sabitha, Krishna Bhuma, Thangavelu Thyagarajan, ‘Transmission Power Control using State Estimation Based Received Signal Strength Prediction for Energy Efficiency in Wireless Sensor Network’ , Turkish Journal of Electrical Engineering & Computer Sciences, 2017, Vol. 25 (1), pp. 591-604, ISSN:13000632, E-ISSN: 13036203, (Impact Factor: 0.69)
4. Manonmani, A, Thyagrajan, T & Sutha, ‘Evolutionary Algorithm Based Multi-Objective Control Scheme for Food Drying Process’, International Journal of Food Engineering, 2016, DOI: 10.1515/ijfe-2016-0219, SJR: 0.298, SNIP: 0.398, (Impact Factor: 0.497).
5. Manonmani, A, Thyagrajan, T, Elango, M & Sutha, S, ‘Modelling and control of greenhouse system using neural networks’, Transactions of the Institute of Measurement and Control, 2016, pp. 1-12. DOI: 10.1177/0142331216670235. (Impact Factor: 0.95)
6. Manonmani, A, Thyagrajan, T, Sutha, S & Gayathri V, ‘Design of soft computing based optimal PI controller for Greenhouse MIMO system’, International Journal of Circuits & Systems, 2016, Vol. 7, pp. 3431-3447. (Impact Factor: 0.93)

7. Manonmani, A, Thyagrajan, T, Guruprasath, G & Sutha, S, 'Modeling of Greenhouse System Using Adaptive Neuro-fuzzy Inference System (ANFIS) Technique', International Journal of Control Theory and Applications, 2015, vol.8, no.5, pp. 1719-1733. (SJR: 0.53)
8. Kalpana, D., Thyagarajan, T. and Thenral, R. "Improved Identification and Control of 2-by-2 MIMO system using Relay Feedback", Control Engineering and Applied Informatics, 2015, Vol. 17, No. 4, pp. 23-32. [Impact Factor: 0.537], ISSN 1454-8658.
9. Kalpana, D., Thyagarajan, T. and Gokulraj, N. "Modeling and control of non-square MIMO system using relay feedback", ISA Transactions, 2015, Vol.59, No.1, pp.408-417. [Impact Factor: 2.984], SJR: 1.210, SNIP:2.427.
10. Bijesh, K., Kalpana, D. and Thyagarajan, T. "Identification of 3-By-3 MIMO System using Relay Feedback", in the IEEE International conference on "Advanced Communication Control and Computing Technologies (ICACCCT-2014)" in Syed Ammal Engineering college, Ramanathapuram, May 2014.