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### **List of Publications - International**

1. R. Sofia, D. Sivakumar, "Certain Investigations for Human Emotion Classification with Sugeno Model of ANFIS.",, *International Journal of Innovative Technology and Exploring Engineering, Elsevier*,, Volume 8, Number 4S, Feb 2019, pp. 427-432. 2019.
2. R. Sofia, D. Sivakumar, "Developing a system for Trauma identification based on the difference from the normal human emotion with Adaptive Neuro Fuzzy Inference system.", *IEEE XPLORE*, Volume 1, Number 1, Apr 2019, pp. 672-678. 2019/10.1109/ICCSP.2019.8698049.
3. R. Sofia, D. Sivakumar, "Performance evaluation of Adaptive Neuro Fuzzy inference System (ANFIS) with JAFFE Database and PICS Database.", *Compliance Engineering Journal*, Volume 10, Number 7, Jul 2019, pp. 170-173. 2019.
4. R. Sofia, D. Sivakumar, "Facial Expression Detection using Pattern Analysis and Machine Intelligence.", *International Journal of Electrical Electronics & Computer Science Engineering*, Volume 5, Number 6, Dec 2018, pp. 2454-1222. 2018.
5. D. Sivakumar, R. Sofia, "AUTOMATIC FACIAL EXPRESSION RECOGNITION USING IMAGE PROCESSING AND BAYESIAN REGULARIZED RECURRENT NEURAL NETWORK .", *Journal of Applied Science and Computations*, Volume 5, Number 7, Dec 2018, pp. 1519-1528. 2018.
6. D. Gayathri \*,D. Rathikarani\*\*, L. Thillai Rani\*\*\*, D. Sivakumar\*\*, "Multiloop Adaptive Controllers for a Nonlinear Interacting Coupled Tank Process.", *International Journal of Engineering Research & Technology (IJERT)*, Volume 6, Number 4, Apr 2017, pp. 930-936. 2017.
7. L. Thillai Rani, D. Sivakumar and D. Rathikarani, "A Novel Design Approach of Gain Scheduling Controller for a MIMO Process.", *Middle-East Journal of Scientific Research*, Volume 24, Number 10, Oct 2016, pp. 3243-3255. 2016/DOI: 10.5829/idosi.mejsr.2016.3243-3255.
8. L. Thillai Rani, D. Sivakumar and D. Rathikarani, "A New Design Methodology of Self Tuning Control Algorithm for an Interacting MIMO Process.", *World Applied Sciences Journal*, Volume 34, Number 11, Nov 2016, pp. 1519-1532. 2016/DOI: 10.5829/idosi.wasj.2016.1519.1532.
9. M. Rajavelu, D. Sivakumar, R. Joseph Daniel, K. Sumangala, "Enhanced Sensitivity with Extended Linearity in MEMS Piezoresistive Pressure Sensor.", *IET Micro & Nano Letters*, Volume 8, Number 10 ISSN 1750-0443, Sep 2013, pp. 753-756. 10.1049/mnl.2013.0496.
10. M. Rajavelu, D. Sivakumar, R. Joseph Daniel, K. Sumangala, "Perforated Diaphragm Employed Piezoresistive MEMS Pressure Sensor for Sensitivity Enhancement in Gas Flow Measurement.", *Elsevier Journal of Flow Measurement & Instrumentation*, Volume 35, Number ISSN 0955-5986, Dec 2013, pp. 63-75.

<http://dx.doi.org/10.1016/j.flowmeasinst.2013.12.004>.

11. M. Rajavelu, D. Sivakumar, R. Joseph Daniel, K. Sumangala, "Simulation of Perforated Diaphragms Employed Piezoresistive Pressure Sensor for Sensitivity Enhancement and Validation with Modified Analytical Model.", *Elsevier Procedia Engineering*, Volume 38, Number ISSN 1877-7058, Sep 2012, pp. 3495-3508. 10.1016/j.proeng.2012.06.404.

12. S.Sivagamasundari, D.Sivakumar, "Quantification of Nonlinear Valve Stiction Model using Compounded Evolution Algorithms..", *International Journal of Engineering Research and Applications*, Volume 2, Number 1, Feb 2012, pp. 932-938. 2012.

13. V.Kalaichelvi, D.Sivakumar R.Karthikeyan, V.Srinivasan, "Tool Wear Classification Using Fuzzy Logic for Machining of Al/SiC Composite Material.", *Modeling and Numerical Simulation of Material Science, Elsevier Science*, Volume 2, Number 2, Apr 2012, pp. 28-36. 2012.