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LIST OF PUBLICATIONS

1. **Subbulekshmi, D.** Kanakaraj, J. “Linearization Algorithms for a Level and pH Process”, Life Science Journal., Vol. 9, No. 4, pp. 2528-2533, 2012.
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3. **Subbulekshmi, D.** and Kanakaraj, J. “Decoupling and Soft Sensor Design for a Class of MIMO System”, Journal of Applied Sciences., Vol. 12, No. 21, pp. 2273-2278, 2012.
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5. **Subbulekshmi, D.** and Kanakaraj, J. “GMC algorithm with IMC and Other Controllers for a Chemical Process”, International Journal of Advanced Engineering Technology., Vol. III, No. I, pp. 18-21, 2012.
6. **Subbulekshmi, D.** and Kanakaraj, J. “Studies in Decoupling and Linearizing Control of Nonlinear Chemical Processes”, NICE Journal of Emerging Technologies., Vol. 4, No.1, pp. 33 to 37, 2009.
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8. **G. Subitha Sri and Dr. D. Subbulekshmi**, “LLC Resonant Converter for Battery Charging Application”, International Journal of Electrical Engineering., Vol. 8, No. 4, pp. 379-388, 2015.

9. **Naregalkar Akshaykumar and D. Subbulekshmi**, “Process Identification with Autoregressive Linear Regression Method using Experimental Data: Review”, Indian Journal of Science and Technology, Vol 9(39), October 2016.
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13. **D. Subbulekshmi and T. Deepa**, “A Review - Synthesis of Estimation and Implementation of Controllers in Future Challenges”, Transylvanian Review: Vol XXV, No. 22, November 2017.
14. **T. Deepa and D. Subbulekshmi**, “Design and Implementation of 2 Term and 3 Term Controllers for Magnetic Levitation System”, International Journal of Mechanical Engineering and Technology (IJMET), Volume 9, Issue 6, 2018, pp. 343–350.
15. **D. Subbulekshmi**, Vivin Vincent, Aaryan Singh, Goutam kr. Singh, Koustav Das, “Design of a PID Controlled Ball and Beam Setup”, International Journal of Pure and Applied Mathematics (IJPAM), Volume 120, Issue 6, 2018, pp. 1-11.
16. **Naregalkar Akshaykumar and D. Subbulekshmi**, “Data Driven Design of IMC-Fractional Filter PI Controller for Sewage Waste Water Process”, Journal of Advanced Research in Dynamical and Control Systems, Volume 11, Issue 3, 2019, pp. 8-20.
17. **Sujitha N., Partha Sarathi Subudhi, Krithiga S., Angalaeswari S., Deepa T., Subbulekshmi D.** “Grid tied PV System using Modular Multilevel Inverter”, International Journal of Power Electronics and Drive Systems (IJPEDS) Vol 10, No 4, 2019, pp.

Patent

T. Deepa and D. Subbulekshmi,

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National journal

1. **Subbulekshmi, D.** and Kanakaraj, J. “Comparative Evaluation of Linearization Algorithm for MIMO Process”, Journal of the Instrument Society of India., Vol. 40, No. 4, pp. 274 to 277, 2010.

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1. **Subbulekshmi, D.** and Kanakaraj, J. “Decoupling and Linearization Control Algorithms with Kalman Filter in a Non-Linear Chemical Process” International congress on 26th Indian Engineering Congress, Institution of engineering Congress, December 2011.

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1. **Subbulekshmi, D.** and Anitha Parvathi, M. “RNGA Algorithm of Nonlinear Chemical Reactor”, International Conference on Emerging Trends in Electrical and Computer Technology ICETECT, St. Xavier’s Catholic College of Engineering, March 2010.
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1. **Subbulekshmi, D.** and Anitha Parvathi, M. “Decoupler Design and Control Techniques for Multivariable Process”, Conference on Control Systems and Automation CCSA 2011, PSG College of Technology, April 2011.
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