









- experimental results”, *IEEE Trans. Control Syst. Technol.*, Vol. 9, No. 2, pp. 399-406, 2001.
- [3] B. Armstrong, and B. A. Wade, “Nonlinear PID control with partial state knowledge: damping without derivatives”, *Int.J. Robotics Research*, Vol. 19, No.8, pp. 715-731, 2000.
- [4] W. H. Chen, D. J. Balance, P.J. Gawthrop, J. J. Gribble, and J.O.Reilly, “Nonlinear PID predicitive controller”, *IEE Proc. Control Theory Appl.*, Vol. 146, No.6, pp. 603-611, 1999.
- [5] J.Q. Han, “Nonlinear PID controller”, *Acta Autoatica Sinica*, Vol. 20, No. 4, pp. 487-490, 1994.
- [6] W. Wang, J.T. Zhang, and T.Y. Chai, “A survey of advanced PID parameter tuning methods”, *Acta Automatica Sinica*, Vol. 26, No. 3, pp. 347-355, 2000.
- [7] M. Ge, M. S. Chiu, and Q. G. Wang, “Robust PID controller design via LMI approach”, *J. Process Contr.*, Vol. 1, No. 12, pp. 3-13, 2002.
- [8] A. Visioli, “A new design plus for a feedforward controller”, *J. Process. Contr.*, Vol. 14, pp. 457-463, 2004.
- [9] K. Astrom and T. Hagglund, “Revisiting the Ziegler-Nicholus step Response method for PID control”, *J. Process Control*. Vol.14, pp. 635-650, 2004.
- [10] R.Toscano, “A simple PI/PID controller design method via numerical optimization approach”, *J. Process Control.*, Vol. 15, pp. 81-88, 2005.
- [11] S. Nithya, N.Sivakumaran, T. Balasubramanian and N. Anantharaman, “ IMC Based Controller design for a spherical tank process in real time”, *National conference in Advanced Techniques in Instrumentation Control and Communication Engineering*, 2008, pp. 173-178.
- [12] Ben Joe Raj, and P. Subha Hency Jose, “Fuzzy Logic Based PID Controller for a Non Linear Spherical Tank System”, *IJERT*, Vol. 3, No.2, pp. 1867-1870, 2014.
- [13] S. Ramesh, and S. Abraham Lincon, “Fuzzy Model Based Learning Control for Spherical Tank Process”, *Int. J. Engineering Research and Applications*, Vol. 3, No. 6, pp. 619-623, 2013.
- [14] T. Bhuvanendhiran, S. Abraham Lincon, I. Thirunavukkarrasu and Sarath Yadav, “Nonlinear Control Design for a Nonlinear Process-an Experimental Approach”, *J. Advanced Research in Dynamical and Control Systems*, Vol. 10, No.7, pp. 1557-1562, 2018.
- [15] A. Ganesh Ram, and S. Abraham Lincon, “Real Time Implementation of Fuzzy Based Adaptive PI Controller for a Spherical Tank System”, *IJSSST*, Vol.14, No.6, pp. 1-8, 2013.