

## LIST OF PUBLICATIONS

### INTERNATIONAL JOURNALS

- 1) M.Mohamed Thameem Ansari , S.Velusami,” Design of Dual Mode Linguistic Hedge Fuzzy Logic Controller for an Isolated Wind Power System “, **Journal of Electrical Engineering**, Vol.4, No. 9, pp. 91-96, Apr.2009.
- 2) M.Mohamed Thameem Ansari, S.Velusami, “Design of Dual Mode Linguistic Hedge Fuzzy Logic Controller for an Isolated Wind – Diesel Hybrid Power Systems with Lossy Magnetic Energy Storage Unit “, **Wind Engineering, Multiscience publications**, Vol.33, No.6, pp. 607-629, Jun. 2009.
- 3) M.Mohamed Thameem Ansari, S.Velusami, “ DMLHFLC ( Dual mode linguistic hedge fuzzy logic controller ) for an isolated wind – diesel hybrid power system with BES (battery energy storage) unit”, **Energy, Elsevier publications**, vol.35, No.1, pp. 3827-3837, Jul. 2010.
- 4) M.Mohamed Thameem Ansari, S.Velusami, “Dual mode linguistic hedge fuzzy logic controller for an isolated wind- diesel hybrid power system with superconducting magnetic energy storage unit”, **Energy Conversion and Management, Elsevier publications**, Vol.51, No.1, pp. 169-181, Oct. 2010.
- 5) S.Lese, M.Mohamed Thameem Ansari, “Design of particle swarm optimization based PI controller for an isolated wind – diesel hybrid power system with superconducting magnetic energy storage unit “, **IOSR Journal of Engineering**, Vol.2, No.5, pp.937-944, 2012.
- 6) M.Mohamed Thameem Ansari, S.Velusami, “ Design of dual mode linguistic hedge fuzzy logic controller for an isolated wind – diesel hybrid power system with CES unit “, **Engineering Intelligent Systems, CRL publications**, Vol. 21, No. 1, pp. 211-235, 2013.
- 7) N.J.Vinoth Kumar, M.R.Sathya, M.Mohamed Thameem Ansari, “ Design of dual mode fuzzy logic load frequency controller for interconnected power systems using superconducting magnetic energy storage unit “, **International Journal of Development Research**, Vol.4, No.3, pp. 654-658, 2014.
- 8) M.R.Sathya, M.Mohamed Thameem Ansari,” Design of BAT inspired algorithm based dual mode gain scheduling of PI load frequency controllers for interconnected multi-area multi-unit power systems”, **Australaian Journal of Basic and Applied Sciences**, Vol.8, pp. 635-647, 2014.

- 9) M.R.Sathya, M.Mohamed Thameem Ansari, “ Load frequency control using Bat inspired algorithm based dual mode gain scheduling of PI controllers for interconnected power system”, **Internation Journal of Electrical Power and Energy Systems, Elsevier publications**, Vol.64, , pp. 365-374, 2015.
- 10) N.J.Vinoth Kumar, M.Mohamed Thameem Ansari, “ A new design of dual-mode Type-II fuzzy logic load frequency controller for interconnected power systems with parallel AC –DC tielines and superconducting magnetic energy storage unit”, **Energy, Elsevier publications**, Vol.89, pp. 118-137, 2015.
- 11) N.J.Vinoth Kumar, M.Mohamed Thameem Ansari, “ Design of dual mode Type-II fuzzy logic load frequency controller for interconnected power systems”, *Australian Journal of Basic and Applied Sciences*”, Vol.9 pp. 499-509, 2015.
- 12) N.J.Vinoth Kumar, M.Mohamed Thameem Ansari, “ A new design of dual-mode Type-II fuzzy logic load frequency controller for interconnected power systems with parallel AC –DC tielines and capacitor energy storage unit”, **International Journal of Electrical Power and Energy Systems, Elsevier publications**, Vol. 82, pp. 579-598, Nov. 2016.
- 13) M.R.Sathya, M.Mohamed Thameem Ansari, “ Design of biogeography optimization based dual mode gain schedling of fractional order PI load frequency controller for multisource interconnected power systems”, **International Journal of Electrical Power and Energy Systems, Elsevier publications**, Vol. 83, pp. 364- 381, Dec. 2016.
- 14) ,Suganya GS, Sathya MR, Mohamed Thameem Ansari M, Santosh Kumar , "Design of Dual Mode Fractional Order PI Controllers Based Type-III SVC Model for Multi Wind-Diesel Isolated Hybrid Power Systems.", *Journal of Electrical Engineering & Electronic Technology*, Volume 7, Number 2, May 2018, pp. 1-14. 2018.
- 15) **R. Boopathi, R. Jayanthi, and M. Mohamed Thameem Ansari, (2019a),“Power Quality Improvement in Wind Energy Conversion System using Hybrid SVPWM Inverter Control Technique for THD Reduction”, “International Journal of Dynamics and Control – Springer Nature”, Vol.8, Issue:2, pp: 592–603. June 2019. ISSN: 2195-268X. (Scopus Indexed). DOI: <https://doi.org/10.1007/s40435-019-00556-3>**

- 16) **R. Boopathi, R. Jayanthi, and M. Mohamed Thameem Ansari, (2019b), “Optimization of Power Quality in Wind Energy Conversion System using Hybrid Modulation”, “A Fusion of Foundations, Methodologies and Applications, Soft Computing – Springer Nature”, Vol. 20, Issue: 10, pp. 7511-7522, September 2019. ISSN: 1432-7643. (Scopus-SCI Indexed). Impact Factor: 3.050 DOI: <https://doi.org/10.1007/s00500-019-04377-6>**
- 17) **R. Boopathi, R. Jayanthi, and M. Mohamed Thameem Ansari, (2020a), “Maximum Power Point Tracking-based Hybrid Pulse Width Modulation for Harmonic Reduction in Wind Energy Conversion Systems”, Computers and Electrical Engineering, Elsevier, Vol. 86, pp: 1-15, June 2020. ISSN: 0045-7906. (Scopus - SCI Indexed). Impact Factor: 2.663 DOI: <https://doi.org/10.1016/j.compeleceng.2020.106711>**
- 18) **R. Boopathi, R. Jayanthi, and M. Mohamed Thameem Ansari, (2020b), “A Novel Hybrid Space Vector Based Modulation Technique for Power Quality Improvement in a Wind Energy Conversion System”, International Journal of Powertrains – Inderscience Publishers, Vol. 9, Issue: 3, pp.200–220, September 2020. ISSN: 1742-4275. (Scopus Indexed) DOI: [10.1504/IJPT.2020.109667](https://doi.org/10.1504/IJPT.2020.109667)**

### **NATIONAL JOURNALS**

- 1) S.Velusami, M.Mohamed Thameem Ansari, “ Dual mode linguistic hedge fuzzy logic controller for an isolated biomass based diesel wind hybrid power system with Battery Energy Storage Unit”, The Journal of CPRI, Vol. 6, No. 1, pp. 51-59, 2010.

## **INTERNATIONAL CONFERENCE PUBLICATIONS**

- 1) M.Mohamed Thameem Ansari ,“ A branch current based state estimation algorithm”, International Conference on Robotics, Vision and Parallel Processing for Automation , University Sains Malaysia, Malaysia, pp. 351-354, 1999.
- 2) M.Mohamed Thameem Ansari, K.R.Nayar ,“ A new state estimation algorithm using zero power injection constraints”, International Conference on Robotics, Vision and Parallel Processing for Automation , University Sains Malaysia, Malaysia, pp. 698-704, 1999.
- 3) M.Mohamed Thameem Ansari, S.Velusami, “ Application of fuzzy logic controller for biomass based diesel- wind hybrid power system with superconducting magnetic energy storage unit”, International Conference on Energy Engineering, Pondicherry Engineering College, Pondicherry, pp. 704-709, Jan. 2009.
- 4) A.Chitra, M.Mohamed Thameem Ansari, “ Design of a new robust load frequency controller for two area thermal reheat power system using sequential quadratic programming(SQP) method with system non-linearities”, International conference on Innovative Computing and Information Processing, Mahendra Engineering College, pp. 283-289, 2012.
- 5) E.Venkatraman, S.Velusami, M.Mohamed Thameem Ansari, S.Ganapathy, “ Design of Type- II fuzzy logic load frequency controller for two area thermal reheat power systems “, International Conference on Computing, Electronics and Electrical Technologies, Noorul Islam Centre for Higher Education, pp. 180-185, 2012.
- 6) P.Priyadharshini, M.Mohamed Thameem Ansari, “ Modeling and analysis of wind farms in load flow studies”, International Conference on Computation of Power, Energy, Information and Communication, Adhiparasakthi Engineering College, 2015.

## **NATIONAL CONFERENCE PUBLICATIONS**

- 1) Padma, M.Mohamed Thameem Ansari, I.A.Chidambaram, S.Velusami, “ Damping effects of superconducting magnetic energy storage unit on interconnected power systems, National Conference on Recent Trends in Industrial Electronics, Drives and Controls, Annamalai University, pp. 160-173, 2003.
- 2) S.Arumugom, M.Mohamed Thameem Ansari, “ Application of fuzzy logic controller for wind power systems”, National Conference on Soft Computing Techniques Applied to Power System Engineering, Annamalai University, pp. 226- 236, 2005.

- 3) M.Vijayaraghavan, S.Velusami, M.Mohamed Thameem Ansari, “ Fuzzy logic controller for biomass based wind diesel systems”, National conference on Recent Advancements in Operation and Control of Large Scale Power Systems’, Annamalai University, pp. 82-89,2006.
- 4) M.Mohamed Thameem Ansari, S.Velusami, “ Application of fuzzy logic controller for wind power systems with superconducting magnetic energy storage unit”, National Conference on Computational Intelligence to Emerging Electric Power Systems, Pondicherry Engineering College, Pondicherry, pp. 229-233, 2006.
- 5) ‘G.Saravanan, S.Velusami,M.Mohamed Thameem Ansari, “ Design of fuzzy logic based PI controller gain scheduling of micro turbine systems”, National Conference on Computational Intelligence to Emerging Electric Power Systems, Pondicherry Engineering College, Pondicherry, pp. 17-23, 2006.
- 6) S.Mohamed Ali, M.Mohamed Thameem Ansari, S.Velusami, “ Design of fuzzy gain scheduling PI controller for an isolated wind- diesel hybrid power system with superconducting magnetic energy storage unit”, National Conference on Electrical Machines and Power Systems, Pondicherry Engineering College, Pondicherry, pp. 216-222, 2011.
- 7) A.Ahamed Jeelani Basha, M.Mohamed Thameem Ansari, S.Velusami, “Design of fuzzy logic controller for two area thermal reheat power system with capacitive energy storage unit” National Conference on Electrical Machines and Power Systems, Pondicherry Engineering College, Pondicherry, pp. 174-179, 2011.
- 8) R Santhiya, K Deepika, R Boopathi and M Mohammed Thameem Ansari, “Experimental Determination of MPPT using Solar Array Simulator”, at IEEE International Conference on *“Intelligent Techniques in Control, Optimization and Signal Processing (INCOS-19)”* at Kalasalingam Academic Research and Education (KARE), Srivilliputtur, Tamilnadu between 11th – 13th April 2019.