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### **Publications:**

#### **Patent Publication:**

##### **Patent: 1**

**Application No.**201941032289 A

**Title of the invention:** Active Power Filters to Improve Power Quality Using PI and Fuzzy controllers

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##### **Patent: 2**

**Application No.**201941036842 A

**Title of the invention:** Modified Stator Winding Arrangement in Three Phase Induction Motor

Date of filing of Application :13/09/2019

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The Patent Office Journal No. 41/2019 Dated 11/10/2019

Page: 47398.

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1. Dr. R. Zahira , Dr. D. Lakshmi , “Control Techniques for Improving Quality of Power - A Review”, Published by Bonfring , Holistic Research Perspectives [Volume 4], 2019, pg: 107-123, DOI: 10.9756/BP2019.1002/10, ISBN 978-93-87862-82-1.
2. Dr. R. Zahira , Dr. D. Lakshmi , “Load Frequency Control in Deregulated Power System”, Published by Bonfring, Holistic Research Perspectives [Volume 4], 2019,Pg: 124-133, DOI: 10.9756/BP2019.1002/10, ISBN 978-93-87862-82-1.
3. Zahira R., Peer Fathima A., Lakshmi D., Amirtharaj S. (2021) Modeling and Simulation Analysis of Shunt Active Filter for Harmonic Mitigation in Islanded Microgrid. In: Zhou N., Hemamalini S. (eds) Advances in Smart Grid Technology. Lecture Notes in Electrical Engineering, vol 688. Springer, Singapore. [https://doi.org/10.1007/978-981-15-7241-8\\_15](https://doi.org/10.1007/978-981-15-7241-8_15)

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7. S.Benisha, D.Lakshmi, R.Zahira "Dc – Dc Converter Integrated With Voltage Multiplier For High Voltage Gain", IJARTET, pp 21-26, 2018.
8. Ravi.C.N., Lakshmi.D., Benisha.S, Zahira.R. "Steady State Optimal Power Flow" International Journal of ChemTech Research, Vol.11 No.04, pp 153-157, 2018, ISSN: 0974-4290.
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#### **International Conference**

1. R.Zahira, J.Sandhiya, M.Samundeeswari, S.Yamini, “ Power Quality Improvement In Wind Energy System”, Proceedings of International Conference on Electrical, Communication and Computing, ICECC - 2014, 13th & 14th March 2014 at Tagore Engineering College, pg :559-562.
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#### **National Conference**

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5. R.Zahira Research paper titled “A System to Detect Transformer Defects using GSM” has been selected & published in National Conference On Technological Advancements In Power Systems & Power Electronics Engineering (TAPSPEE'13) held on 23<sup>th</sup> April 2013 at Easwari Engineering College.
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