

## **Patents and Innovation Disclosures [Total 14]**

- [1] **M. H. Ali**, "System and Method for Improving Transient Stability of Grid-Connected Wind Generator System, Patent Issued on May 21, 2024, US Patent no. 11,990,752.
- [2] **M. H. Ali** and M. DaviranKeshavarzi, "Triple-Function Battery Energy Storage System for Hybrid Microgrid System", Patent Issued on January 2nd, 2024, US Patent no. 11862979.
- [3] **M. H. Ali**, "System and Method for Improving Transient Stability of Grid-Connected Wind Generator System", Patent Issued on November 22, 2022, US Patent no. 11,509,138.
- [4] **M. H. Ali**, "Apparatus for Mitigation of Adverse Effects of Geomagnetically Induced Currents on Transformers," Patent Issued on January 07, 2020, US Patent no. 10530144.
- [5] **M. H. Ali**, "Apparatus for Mitigation of Adverse Effects of Geomagnetically Induced Currents on Transformers," Patent issued on March 26, 2019, US Patent number 10,243,346.
- [6] M. M. Hossain and **M. H. Ali**, "Wind Generator System with Multiple Turbines", Patent issued on March 21, 2017, US Patent number 9599092.
- [7] **M. H. Ali**, "Novel Design of Controlled DC-Link Capacitor for Grid-Connected Solar Photovoltaic System", Innovation Disclosure, December 2022.
- [8] **M. H. Ali**, "Electrical Power Generation from Falling Light Weight Stones/Marbles", Innovation Disclosure, August 2020.
- [9] **M. H. Ali**, "Novel Design of Grid-Connected Solar Photovoltaic System", Innovation Disclosure, October 2019.
- [10] **M. H. Ali**, "New Electric Circuit Design of Automated External Defibrillator for Sudden Cardiac Arrest Patient", Innovation Disclosure, October 2019.
- [11] **M. H. Ali** and M. DaviranKeshavarzi, "Three-in-One Battery Energy Storage System for Hybrid AC/DC Microgrid Resiliency Improvement", Innovation Disclosure, June 2019.
- [12] **M. H. Ali**, "Design and Operation of Utility Integrated Photovoltaic (PV) System as Supercapacitor Energy Storage", Innovation Disclosure, February 2018.
- [13] **M. H. Ali**, "Circularly Located Novel Wind Turbine System, Innovation Disclosure", February 2018.
- [14] **M. H. Ali**, "A Novel Cost-Effective Method for Improving Transient Stability of Grid-Connected Wind Generator System", Innovation Disclosure, June 2017.