











- [2] A. Glowacz, W. Glowacz, Z. Glowacz, J. Kozik, M. Gutten, D. Korenciak, Z. F. Khan, M. Irfan and E. Carletti, "Fault Diagnosis of Three Phase Induction Motor using Current Signal, MSAF-Ratio15 and Selected Classifiers," *Archives of Metallurgy and Materials*, Vol. 62, No. 4, pp. 2413-2419, December 2017.
- [3] Muhammad Irfan, Nordin Saad, Rosdiazli Ibrahim, Vijanth S Asirvadam, Alwadie A and Muhammad Aman, "Analysis of Distributed Faults in Inner and Outer Race of Bearing via Park Vector Analysis Method," *Neural Computing & Applications*, May 2017.
- [4] M. Aman, Nursyarizal, Tayyab, and Muhammad Irfan and Nordin Saad "An Intelligent Automated Method to Diagnose and Segregate Induction Motor Faults," *Journal of Electrical Systems*, June 2017.
- [5] M. Aman, Nursyarizal, Tayyab, and Muhammad Irfan, "An Unsupervised On-Line Method to Diagnose Unbalanced Voltage in Three-Phase Induction Motor," *Neural Computing & Applications*, April 2017.
- [6] P. J. Tavner, L. Ran, J. Pennman, and H. Sedding "Condition Monitoring Of Rotating Electrical Machines," Letchworth, England: Research Studies Press Ltd. 2008.
- [7] Fatigue and fracture, *ASM Handbook*, Vol. 19, ASM International, 1996.
- [8] P. Zhang, Y. Du, T. G. Habetler, and B. Lu, "A Survey Of Condition Monitoring And Protection Methods for Medium-Voltage Induction Motors," *IEEE Transactions on Industry Applications*, Vol. 47, No. 1, pp. 34-46, January 2011.
- [9] Zhiwei Gao, Carlo Cecati and Steven X. Ding, "A Survey Of Fault Diagnosis And Fault-Tolerant Techniques Part I: Fault Diagnosis with Model Based and Signal-Based Approaches," *IEEE Transactions on Industrial Electronics*, 2015.
- [10] Z. Hameed, Y.S. Hong, Y.M. Cho, S.H. Ahn, C.K. Song, "Condition Monitoring And Fault Detection Of Wind Turbines and Related Algorithms: A Review," *Renewable and Sustainable Energy Reviews*, Vol. 13, pp. 1-39, 2009.
- [11] F. Immovilli, A. Bellini, R. Rubini, and C. Tassoni, "Diagnosis of Bearing Faults In Induction Machines by Vibration or Current Signals: A Critical Comparison," *IEEE Transactions on Industry Applications*, Vol. 46, No. 4, pp. 1350-1359, July 2010.
- [12] L. Navarro, M. Delgado, J. Urresty, J. Cusidó and L. Romeral, "Condition Monitoring System for Characterization of Electric Motor Ball Bearings with Distributed Fault Using Fuzzy Inference Tools," *IEEE Instrumentation and Measurement Technology Conference (I2MTC)*, Austin, May, 2010.
- [13] Aiwina Heng, Sheng Zhang, Andy C.C. Tan, Joseph Mathew, "Rotating Machinery Prognostics: State of the Art, Challenges and Opportunities-A Review," *Mechanical Systems and Signal Processing*, Vol. 23, pp. 724-739, 2009.
- [14] Zulma Yadira Medrano Hurtado, Carlos Perez Tello and Julio Gomez Sarduy, "A Review on Detection and Fault Diagnosis in Induction Machines," *Publicaciones en Ciencias y Tecnologia*, Vol. 8, No.01, July 2014.
- [15] S. B. Alegranzi, J. F. Gonçalves and H. M. Gomes, "Ball Bearing Vibration Monitoring for Fault Detection by the Envelope Technique," *Blucher Mechanical Engineering Proceedings*, Vol. 1, Issue 1, May 2014.
- [16] Ehsan Tarkesh Esfahani, Shaocheng Wang, and V. Sundararajan, "Multisensor Wireless System for Eccentricity and Bearing Fault Detection in Induction Motors," *IEEE/ASME Transactions on Mechatronics*, Vol. 19, No. 3, June 2014.
- V.N. Patel, N. Tandon and R.K. Pandey, "Defect Detection in Deep Groove Ball Bearing in Presence of External Vibration using Envelope Analysis and Duffing Oscillator," *Measurement*, Vol. 45, pp. 960-970, 2012.
- [17] V.N. Patel, N. Tandon and R.K. Pandey, "Vibrations Generated by Rolling Element Bearings having Multiple Local Defects on Races," *Procedia Technology*, Vol. 14, pp. 312-319, 2014.
- [18] Sukhjeet Singh, Amit Kumar and Navin Kumar, "Motor Current Signature Analysis for Bearing Fault Detection in Mechanical Systems," *Procedia Materials Science*, Vol. 6, pp. 171-177, 2014.
- [19] Muhammad Irfan, Nordin Saad, Rosdiazli Ibrahim and Vijanth S Asirvadam, "Diagnosis of Distributed Faults in Outer Race of Bearings via Park's Transformation Method," *The 10th Asian Control Conference (ASCC) Kota Kinabalu, Malaysia*, June 2015.
- [20] Muhammad Irfan, Nordin Saad, Rosdiazli Ibrahim and Vijanth S Asirvadam, "A Non Invasive Fault Diagnosis System for Induction Motors in Noisy Environment," *IEEE International Conference on Power and Energy (PECon)*, Malaysia, December 2014.
- [21] Muhammad Irfan, Nordin Saad, Rosdiazli Ibrahim and Vijanth S Asirvadam, "Analysis of Bearing Outer Race Defects in Induction Motors," *The 5th IEEE International Conference on Intelligent and Advanced Systems (ICIAS)*, Malaysia, June 2014.
- [22] Muhammad Irfan, Nordin Saad, Rosdiazli Ibrahim and Vijanth S Asirvadam, "An Approach to Diagnose Inner Race Surface Roughness Faults in Bearings of Induction Motors," *IEEE International Conference on Signal and Image Analysis (ICSIPA)*, Kuala Lumpur, Malaysia, October 2015.
- [23] Muhammad Irfan, Nordin Saad, Rosdiazli Ibrahim, Vijanth S Asirvadam, Alwadie A and Muhammad Aman, "An Assessment on the Non-Invasive Methods for Condition Monitoring of Induction Motors," *Fault Diagnosis and Detection- ISBN 978-953-51-5011-4*, InTech Publishing, May 2017.
- [24] Muhammad Irfan, Nordin Saad, Rosdiazli Ibrahim and Vijanth S Asirvadam, "Analysis of Bearing Surface Roughness Defects in Induction Motors," *Journal of Failure Analysis and Prevention*, Vol. 15, No. 5, pp. 730-736, August 2015.
- [25] Muhammad Irfan, Nordin Saad, Rosdiazli Ibrahim and Vijanth S Asirvadam, "Condition Monitoring of Induction Motors via Instantaneous Power Analysis," *Journal of Intelligent Manufacturing*, Volume 28, Issue 6, pp 1259-1267, August 2017.
- [26] Muhammad Irfan, Nordin Saad, Rosdiazli Ibrahim and Vijanth S Asirvadam, "An Intelligent Diagnostic Condition Monitoring System for AC Motors via Instantaneous Power Analysis," *International Review of Electrical Engineering*, Vol.8, No. 2, pp. 664-672, April 2013.