

## Dr. Arbab Waseem Abbas

### List of Publications

- Sahibzada Abdur Rehman Abid, Nasir Ahmad, Muhammad Akbar Ali Khan, **Arbab Waseem Abbas** and Muhammad Waqas, "Formant based Pashto Digits and Numbers Synthesizer" (*Sindh University Research Journal (Science Series)* vol. 46 (1), page # 47-52, March 2014).
- Zakir Ali, **Arbab Waseem Abbas**, Thasleema, Burhan ud din, Tanzeela and Sahibzada Abid, "Database Development and Automatic Speech recognition of Isolated Pashto spoken Digits using MFCC and K-NN" (*International Journal of Speech Technology (Springer Science+ Business Media Newyork)* DOI 10.1007/s10772-014-9267-z, January 8, 2015)
- **Arbab Waseem Abbas**, NasruminAllah, Nasir Ahmad, Akbar Ali and Sahibzada abid, "K-Means and ISODATA Clustering Algorithms for Landcover Classification using remote sensing" (*Sindh University Research Journal (Science Series)* vol. 48 (2), page # 315-318, June 2016).
- Khan, A., Saeed, K., Khan, H., **Abbas, A. W.**, & Shah, S. (2017). IMPACT OF SLEEPING NODES ON THE PERFORMANCE OF PROACTIVE AND REACTIVE ROUTING PROTOCOLS IN MOBILE AD HOC NETWORK. *Science International*, 29(2), 447-452.
- Sadiq Shah, **Arbab Waseem Abbas**, Hameed Hussain and Huma Israr, (2017) "Minimizing information asymmetry interference in multi-radio multi-channel wireless mesh networks", *Kuwait J. Sci.* 44 (3) pp. 30-39, 2017.
- Sadiq Shah, Khalid Saeed, Mustafa, Rafiullah, Mohibullah, Misbah Daud and **Arbab Waseem Abbas**, (2018), "Minimization of Information Asymmetry Interference using Partially Overlapping Channel Allocation in Wireless Mesh Networks" *International Journal of Advanced Computer Science and Applications (IJACSA) - Volume 9 No 8 August 2018.*
- **Abbas, A. W.**, Saeed, K., Marwat, S. N. K., Abid, S. A. R., Khan, M. A. A. & Shah, S., "Evaluation of Optimal Edge Detection Operator for Localization of License Plate of Vehicles with Different Orientation", *J. Mech. Cont. & Math. Sci.*, Vol.-14, No.-3, May-June (2019) pp 445-453.
- Sajjad, M., Saeed, K., Hussain, T., **Abbas, A. W.**, Khalil, I., Ali, I., & Gul, N. "Impact of Jelly Fish Attack on the Performance of DSR Routing Protocol in MANETs". *JOURNAL OF MECHANICS OF CONTINUA AND MATHEMATICAL SCIENCES*, Vol.-14, No.-4, July-August (2019) pp 132-140.
- **A. W. Abbas** and S. N. K. Marwat, "Scalable Emulated Framework for IoT Devices in Smart Logistics Based Cyber-Physical Systems: Bonded Coverage and Connectivity Analysis," in *IEEE Access*, vol. 8, pp. 138350-138372, 2020, doi: 10.1109/ACCESS.2020.3012458. (IF of 3.745)
- Rafi Ullah, **Arbab Waseem Abbas**, Mohib Ullah, Rafi Ullah Khan, Irfan Ullah Khan, Nida Aslam, Sumayh S. Aljameel, "EEWMP: An IoT-Based Energy-Efficient Water Management Platform for Smart Irrigation", *Scientific Programming*, vol. 2021, Article ID 5536884, 9 pages, 2021. <https://doi.org/10.1155/2021/5536884>
- farman ali, sadia khan, **Arbab Waseem Abbas** et al, (2022), "A Two-Tier Framework Based on GoogLeNet and YOLOv3 Models for Tumor Detection in MRI", *Computers, Materials and Continua*, 1546-2226, 72(1), 73-92. DOI:10.3260 4/cmc.2022.0 24103

## Conference Papers

- **Arbab Waseem Abbas**, Nasir Ahmad and Hazrat Ali, **(2012)**, "Pashto Spoken Digits Database for Automatic Speech Recognition Research", *Proceedings of the 18th International Conference on Automation & Computing, Loughborough University, Leicestershire, UK, 8 September 2012* pp. 363-366.
- Afzaal Ahmad, Noorullah and **Arbab Waseem Abbas (2013)**, "PHP+MySQL based Online Examination System With Power Failure Handling and Dropbox Capability", *Proceedings of International Workshop on Trustworthy Computing co-located workshop of 7th International conference on software security and reliability*, Washington, D.C., USA, 18-20 June 2013.
- Tanzeela, **Arbab Waseem Abbas**, Zakir Ali and Burhan ud din, **(2014)**, "Analyzing the Impact of MFCC and LDA for the Development of Isolated Pashto Spoken Numbers ASR" presentation in the 12th International Conference on Frontiers of Information Technology (FIT 2014), Islamabad, December 17-19 2014
- Shahab-Ul-Islam, **A. W. Abbas**, A. Ahmad, S. Shah and K. Saeed, "Parameter investigation of Artificial Neural Network and Support Vector Machine for image classification," 2017 14th International Bhurban Conference on Applied Sciences and Technology (IBCAST), Islamabad, 2017, pp. 795-798. doi: 10.1109/IBCAST.2017.7868146
- Saeed, K., Khalil, W., Ahmed, S., **Abbas, A. W.**, & Khattak, M. N. K. (2019, January). Analysis of Different Packet Size Optimization Techniques for TWSNs. In 2019 2nd International Conference on Computing, Mathematics and Engineering Technologies (iCoMET) (pp. 1-6). IEEE.
- **A. W. Abbas**, S. Nawaz Khan Marwat, S. Ahmed, A. Hafeez, K. Ullah and I. U. Khan, "Proposing Model for Security of IoT Devices in Smart Logistics: A Review," 2020 3rd International Conference on Computing, Mathematics and Engineering Technologies (iCoMET), Sukkur, Pakistan, 2020, pp. 1-4, doi: 10.1109/iCoMET48670.2020.9073916. IEEE