

Publications

1. S. Amin, M. I. Uddin, H. H. Al-Baity, M. A. Zeb and M. A. Khan, "Machine learning approach for covid-19 detection on twitter," *Computers, Materials & Continua*, vol. 68, no.2, pp. 2231–2247, 2021.
2. Maha Al-Yahya, Hend Al-Khalifa, Heyam Al-Baity, Duaa AlSaeed, and Amr Essam. "Arabic Fake News Detection: Comparative Study of Neural Networks and Transformer-Based Approaches." *Complexity*, 2021.
3. Heyam. H. Al-Baity and Noura Al-Mutlaq, "A new optimized wrapper gene selection method for breast cancer prediction," *Computers, Materials & Continua*, vol. 67, no.3, pp. 3089–3106, 2021.
4. Alhanoof Althnian, Duaa AlSaeed, Heyam Al-Baity, Amani Samha, Alanoud Bin Dris, Najla Alzakari, Afnan Abou Elwafa, and Heba Kurdi. "Impact of Dataset Size on Classification Performance: An Empirical Evaluation in the Medical Domain." *Applied Sciences* 11, no. 2 (2021): 796.
5. Raghad Alshalan, Hend Al-Khalifa, Duaa Alsaheed, Heyam Al-Baity, and Shahad Alshalan. "Detection of Hate Speech in COVID-19–Related Tweets in the Arab Region: Deep Learning and Topic Modeling Approach." *Journal of Medical Internet Research* 22, no. 12 (2020): e22609.
6. Alay, Nada, and Heyam H. Al-Baity. "Deep Learning Approach for Multimodal Biometric Recognition System Based on Fusion of Iris, Face, and Finger Vein Traits." *Sensors* 20.19 (2020): 5523.
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10. Al-Baity, Heyam H., Duaa H. Alsaheed, and Henda Chorfi Ouertani. "A Streamlined Continuous Improvement Process Based on Learning Analytics: Insights from the IT Program at King Saud University." 2019 7th International conference on ICT & Accessibility (ICTA). IEEE, 2019.
11. Al-Hudhud, Ghada & Alqahtani, Layla & Al-Baity, Heyam & Alsaheed, Duaa & Al-Turaiki, Isra. (2019). Analyzing Passive BCI Signals to Control Adaptive Automation Devices. *Sensors*. 19. 3042. 10.3390/s19143042.
12. Alay N, Al-Baity H. H. A Multimodal Biometric System for Personal Verification Based on Different Level Fusion of Iris and Face Traits. *Biosc.Biotech.Res.Comm.* 2019;12(3).
13. Ouertani, Henda, Duaa H. Alsaheed, Heyam Al-Baity, and Nejmeddine Chorfi. "Enhanced algorithms for implementing the spectral discretization of the vorticity-velocity-pressure formulation of Stokes problem." *Mathematical Methods in the Applied Sciences* 42, no. 18 (2019): 6555-6566.
14. Al-Zahrani S, Al-Baity H. H. Smart Irrigation Control System Using Internet of Things: An Empirical Study in Kingdom of Saudi Arabia. *Biosc.Biotech.Res.Comm.* 2019;12(2).
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16. Heyam H. Al-Baity and Norah I. AlShowiman, "Towards Effective Service Discovery using Feature Selection and Supervised Learning Algorithms" *International Journal of Advanced Computer Science and Applications(IJACSA)*, 10(5), 2019.
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