

Dr. Abdullah

Journal Papers

1. **Abdullah Khan**, M Imran, et. al. "Forecasting electricity consumption based on machine learning to improve performance: A case study for the organization of petroleum exporting countries (OPEC)", Published in: *Computers & Electrical Engineering* (2020) JCR IF (2.67)
2. Shah, A., Bangash, J. I., Khan, A. W., Ahmed, I., **Abdullah Khan**, Khan, A., & Khan, A. (2020). Comparative Analysis of Median Filter and its Variants for Removal of Impulse Noise from Gray Scale Images. *Journal of King Saud University-Computer and Information Sciences*. (JCR I.F 0.433)
3. Ziane, K., Ilinca, A., **Abdullah Khan** & Zebirate, S. (2020). A cuckoo search based neural network to predict fatigue life in rotor blade composites. *Journal of Mechanical Engineering and Sciences*, 14(1), 6430-6442. JCR, SCOPUS, EBSCO, Ulrichsweb, DOAJ, Google Scholar, **Impact Factor**: 1.359.
4. **Abdullah Khan**, Shah, R., Imran, M. et al. (2019) "An alternative approach to neural network training based on hybrid bio meta-heuristic algorithm" *J Ambient Intell Human Comput* pp 1-10. <https://doi.org/10.1007/s12652-019-01373-4> (JCR I.F 1.910)
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6. Haruna Chiroma, **Abdullah Khan**, Adamu I. Abubakar, Younes Saadi, Mukhtar F. Hamzad, Liyana Shui, Abdulsalam Y. Gital, Tutut Herawan, "A new approach for forecasting OPEC petroleum consumption based on neural network train by using flower pollination algorithm" *journal of Applied Soft Computing* V (48) P- 50–58 (ISI IF: 2.83). Published <http://dx.doi.org/10.1016/j.asoc.2016.06.038>
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8. Haruna Chiroma, **Abdullah Khan**, N. M. Nawawi, M. Z. Rehman, Tutut Herawan. (2015) "Global Warming: Predicting OPEC Carbon Dioxide Emissions from Petroleum Consumption Using Neural Networks and Hybrid Cuckoo Search Algorithm". *PLoS One Journal*. ISI JCR IF: 3.23. Published <http://dx.doi.org/10.1371/journal.pone.0136140>
9. Adamu I. Abubakar, **Abdullah Khan**, Nazri Mohd Nawawi, M. Z. Rehman, Teh Ying Wah, Haruna Chiroma, and Tutut Herawan. "Studying the Effect of Training Levenberg Marquardt Neural Network by Using Hybrid Meta-Heuristic Algorithms" *J. Comput. Theor. Nanosci.* 13, 450-460 (2016) Publication ISI IF 1.665. <https://doi.org/10.1166/jctn.2016.4826>
10. Nazri Mohd Nawawi, M. Z. Rehman, **Abdullah Khan**, Haruna Chiroma, and Tutut Herawan. "A Modified Bat Algorithm Based on Gaussian Distribution for Solving Optimization Problem" *J. Comput. Theor. Nanosci.* 13, 706-714 (2016) Publication ISI IF 1.665. <https://doi.org/10.1166/jctn.2016.4864>
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 14. AdamuAbubakar, HarunaChiroma, **Abdullah Khan**, MukhtarFatihu Hamza , Ali Baba Dauda, Mahmood Nadeem, Shah Asadullah, JaafarZubairuMaitama, Tutut Herawan, “Utilizing Modular Neural Network for Prediction of Possible Emergencies Locations within point of Interest of Hajj Pilgrimage”. Modern Applied Science; Modern Applied Science; Vol. 10, No. 2; 2016 ISSN 1913-1844 E-ISSN 1913-1852. Publication ISI Q1. URL: <http://dx.doi.org/10.5539/mas.v10n2p34>
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 19. Nazri Mohd. Naw, **Abdullah Khan** & M. Z. Rehman (2015). “Accelerated particle swarm optimized back propagation algorithm” JurnalTeknologi (Sciences & Engineering) 77:28 (2015) PP-49–53 ISI published. DOI: <http://dx.doi.org/10.11113/jt.v77.6790>
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 23. Joseph A. Yacim, Douw G.B. Boshoff, and **Abdullah Khan** (2016) Hybridizing Cuckoo Search with Levenberg-Marquardt Algorithms in Optimization and Training Of ANNs for Mass Appraisal of Properties. Journal of Real Estate Literature: 2016, Vol. 24, No. 2, pp. 473-492. (doi: 10.5555/0927-7544.24.2.473) I.F 0.48 ISI published.

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Book Chapter Publications

1. Khan, S., **Abdullah Khan**, Ullah, R., Ali, M., & Ullah, R. (2020). Insulin DNA Sequence Classification Using Levy Flight Bat With Back Propagation Algorithm. In *Mobile Devices and Smart Gadgets in Medical Sciences* (pp. 232-252). IGI Global, DOI: 10.4018/978-1-7998-2521-0.ch011.
2. Rehan Ullah,., **Abdullah Khan**, Abid, S. B. S., Khan, S., Shah, S. K., & Ali, M. (2020). Crow-ENN: An Optimized Elman Neural Network with Crow Search Algorithm for Leukemia DNA Sequence Classification. In *Mobile Devices and Smart Gadgets in Medical Sciences* (pp. 173-213). IGI Global. DOI: 10.4018/978-1-7998-2521-0.ch009.
3. Roman, M., Khan, S., **Abdullah Khan**, & Ali, M. (2020). Optimizing Learning Weights of Back Propagation Using Flower Pollination Algorithm for Diabetes and Thyroid Data Classification. In *Mobile Devices and Smart Gadgets in Medical Sciences* (pp. 270-296). IGI Global, DOI: 10.4018/978-1-7998-2521-0.ch013.
4. Nazri Mohd. Nawawi, **Abdullah Khan**, M. Z. Rehman, Rashid Naseem, and Jamal Uddin (2019). "Studying the Effect of Optimizing Weights in Neural Networks with Metaheuristic Techniques". *DaENG-2015* published in *LNEE Journal of Springer Vol 520*, PP: 323-330.
5. Nazri Mohd. Nawawi, **Abdullah Khan**, N. S. Muhamadan, M. Z. Rehman(2019). HAPSOENN: Hybrid Accelerated Particle Swarm Optimized Elman Neural Network. *DaENG-2015* published in *LNEE Journal of Springer Vol. 520*, PP: 315-322.
6. Haruna Chiroma, **Abdullah Khan**, et al.,(2019). Estimation of Middle East Oil Consumption using Hybrid Metaheuristic Algorithm .*DaENG-2015* published in *LNEE Journal of Springer Vol. 520*, PP: 139-149.
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9. **Abdullah Khan**. et al. (2019) A Novel Chicken Swarm Neural Network Model for Crude Oil Price Prediction. In: Herawan T., Chiroma H., Abawajy J. (eds) *Advances on Computational Intelligence in Energy. Green Energy and Technology*. Springer, Cham Pages 39-58
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13. Nazri Mohd. Nawawi, Muhammad Zubair Rehman, Norhamreeza Abdul Hamid, **Abdullah Khan**, Rashid Naseem and Jamaluddin Jamal uddin."Optimizing Weights in Elman Recurrent Neural Networks with Wolf Search Algorithm. *Recent Advances on Soft Computing and Data Mining Vol. 549*, PP- 11-20. Springer, Heidelberg

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