



## MOATASEM KHASAWNEH

جامعة عجلون الوطنية  
Ajloun National University



Amman, Abu-Nsair



A.alhjoj@anu.edu.jo



+962782196669

## PROFILE

Dr Like to work with others

## EDUCATION

- ◆ **PH.D** -Artificial intelligent / Software engineering University science Malaysia (20014)
- ◆ **Master** - Computer Engineering and Communications. National University of Malaysia (2005).
- ◆ **Bachelor** - Biomedical Electronics. University of Mousel Iraq (2000)

## Personal Data

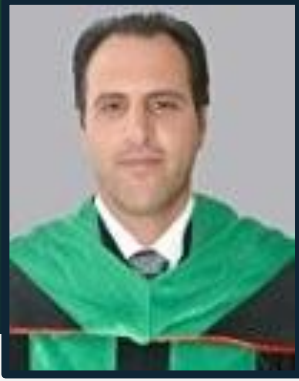
**Date of birth:**Mar. 01th, 1977  
**Marital status:** Married  
**Nationality:** Jordanian

## WORK EXPERIENCE

- 2008-2010 Manger in Garmson Fuel company Texas/U.S.A
- 2006 – 2007 RF engineer in MCPS in Texas/ U.S.A
- 2000 - 2002Jordan Medicare Group. Amman – Jordan.
- Biomedical EquipmentEngineer: duties included supervision and maintenance of biomedical equipment including hardware and software upgrade and malfunction troubleshoot.
- 2001 - 2014graduate assistance in Electrical and Electronic School in USM
- 2015- 2018 Assistance Prof in Ajloun National University
- Software Engineering department
- Faculty of science and information technology.
- 2018-2020 Chair of Computer Department computer science and Software Engineering, Faculty of science and information technology
- 2023-untill nowAssociated proof in Software Engineering

## PROFESSIONAL ACTIVITIES

Five years of research experience in University Science of Malaysia (USM)



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## SKILLS

- Project management
- Strong decision maker
- Complex problem solver
- Creative design
- Innovative
- Ability to work under pressure and keeping team work spirit.

## Languages

Arabic  
English

## CONTINUED PROFESSIONAL ACTIVITIES

- Conducted a research on Microstep Antennas: The research focused on the effect of using Microstep Antennas on modulation techniques used in mobile communication devices.
- Academic Projects
- Landslide susceptibility hazard mapping of Penang Island using artificial neural network: The purpose of this project was to predict the occurrence of the landslide locations in the Penang Island Malaysia.
- Sign Language Recognition Using Neural Networks:
- The purpose of this project was to allow the computer device to recognize alphabetical letters performed by the sign language in front of a digital camera connected to the sign language recognition hardware equipment.
- Satellite Position Adjusting Software:
- The purpose of this project was to design software that will keep track of the satellite movement and will detect if the satellite shifts out of its track around the earth and will launch a series of commands to order the satellite to return to its original track.

## REFEREED INTERNATIONAL JOURNAL

1. A Comparison between Seven Heuristic Methods to Estimate the Number of Hidden Layer Neurons in a Multi Layer Perceptron Neural Network MS Alkhasawneh International Journal of Advanced Trends in Computer Science and Engineering ...
2. Olive Oil Ripping Time Prediction Model based on Image Processing and Neural Network MS Alkhasawneh International Journal of Advanced Computer Science and Applications 12 (1/2021)



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## REFEREED INTERNATIONAL JOURNALS

3. Hybrid cascade forward neural network with Elman neural network for disease prediction MS Alkhasawneh Arabian Journal for Science and Engineering 44 (11), 9209-9220 Electric vehicle technology impacts on energy WA Salah, MAM Albreem, B Alsayid, BA Zneid, M Alkhasawneh, International Journal of Power Electronics and Drive Systems 10 (1), 1
  4. A hybrid intelligent system integrating the cascade forward neural network with elman neural network MS Alkhasawneh, LT Tay Arabian Journal for Science and Engineering 43 (12), 6737-6749
  5. Isolated Arabic Hand Written Letters Recognition Based on Contour Matching and Neural Network Bajes Zeyad Aljunaedia , MS alkhasawneh Journal of Computer Science 14 (11), 1565-1576
  6. Quantitative workflow based on NN for weighting criteria in landfill suitability mapping SKM Abujayyab, MSS Ahamad, AS Yahya, SZ Ahmad, MS Alkhasawneh, ... AIP Conference Proceedings 1892 (1), 130004
  7. Landslide hazard mapping with selected dominant factors: A study case of Penang Island, Malaysia LT Tay, MS Alkhasawneh, UK Ngah, H Lateh AIP Conference Proceedings 1660 (1), 090024
  8. Landslide occurrence prediction using trainable cascade forward network and multilayer perceptron
  9. MS Al-Batah, MS Alkhasawneh, LT Tay, UK Ngah, H Lateh, NA Mat Isa Mathematical Problems in Engineering 2015
  10. Sustainable GIS Based-ANN's Solution for Landfill Suitability Analysis SKM Abujayyab, MSS Ahamad, AS Yahya, M Elbayoumi, ... Applied Mechanics and Materials 802, 537-542
  11. Landslide hazard mapping of Penang Island using dominant factors LT Tay, MS Alkhasawneh, UK Ngah, H Lateh 2014 IEEE 2nd International Symposium on Telecommunication Technologies
  12. Determination of importance for comprehensive topographic factors on landslide hazard mapping using artificial neural network MS Alkhasawneh, UK Ngah, LT Tay, NAM Isa Environmental earth sciences 72 (3), 787-799
- Postgraduate Colloquium EEPC 2011. USM, 2-4 Dec. 2013, Pangkor, perak.



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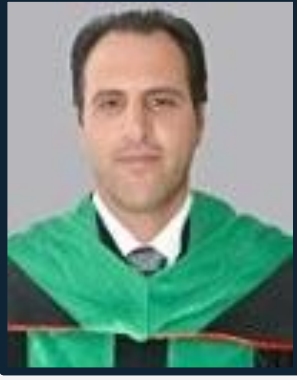
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## REFEREED INTERNATIONAL JOURNALS

13. Intelligent landslide system based on discriminant analysis and cascade-forward back-propagation network MS Alkhasawneh, LT Tay, UK Ngah, MS Al-batah, NA Mat Isa Arabian Journal for Science and Engineering 39 (7), 5575-5584
14. Landslide hazard mapping with new topographic factors: a study case of Penang Island, Malaysia. LT Tay, MS Alkhasawneh, UK Ngah, H Lateh Australian Journal of Basic and Applied Sciences 8 (4), 387-392
15. Landslide hazard mapping of Penang Island using poisson distribution with dominant factors LT Tay, MS Alkhasawneh, H Lateh, MK Hossain, AA Kamil J. Civ. Eng. Res 4, 72-77
16. Modeling and testing landslide hazard using decision tree
17. MS Alkhasawneh, UK Ngah, LT Tay, NA Mat Isa, MS Al-Batah
18. Journal of Applied Mathematics 2014
19. Determination of important topographic factors for landslide mapping analysis using MLP network MS Alkhasawneh, UK Ngah, LT Tay, NA Mat Isa, MS Al-batah  
The Scientific World Journal 2013
20. Landslide susceptibility hazard mapping techniques review
21. MS Alkhasawneh, UKB Ngah, TL Tien, N Isa Journal of Applied Sciences(Faisalabad) 12 (8), 802-808
22. Alkhasawneh M sh, Umi Kalthum Ngah, Lea Tien Tay, Nor Ashidi Mat Isa, "Determination of importance for comprehensive topographic factors on landslide hazard mapping using artificial Symposium Paper
23. Mutasem Sh. Alkhasawneh, Umi Kalthum Ngah, Lea Tien Tay, Nor Ashidi Mat Isa, "landslide worldwide reviews techniques", School of Electrical and Electronic 3rd Postgraduate Colloquium EEPC 2011. USM, 2-4 Dec. 2011, Bentong, Pahang.
24. Mutasem Sh. Alkhasawneh, Umi Kalthum Ngah, Lea Tien Tay, Nor Ashidi Mat Isa, 'Landslide Intelligent System Based on QUEST method and Cascade-Forward Back-Propagation Network', School of Electrical and Electronic 3rd Postgraduate Colloquium EEPC 2011. USM, 2-4 Dec. 2013, Pangkor, perak



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## TEACHING EXPERIENCE

- Programming Fundamentals(1 and 2)
- C++ Programming Language
- Data Structure, Artificial intelligent
- Java Programming language
- Computer Architecture
- Operating System
- Introduction to Software Engineering
- Software Engineering Requirement
- Software Component and Constructions
- Software Engineering Design
- Software Maintenance and evaluation
- Software testing, Computer ethics
- Software Documentations
- HTML
- Final Year Project. Also ready to teach any course in the syllabus.