



عصام فالح سعيد الداود

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علم الحاسوب/ أمن المعلومات

الرتبة الأكاديمية: أستاذ

العضويات:

|    |                                                                                   |
|----|-----------------------------------------------------------------------------------|
| 1. | عضو في لجنة تحرير مجلة IAJIT                                                      |
| 2. | عضو في لجنة تحرير مجلة ACIT                                                       |
| 3. | عضو في لجنة تأسيس ICSRS <a href="http://www.i-csrs.org">http://www.i-csrs.org</a> |
| 4. | عضو في لجان الأقسام و الكلية منذ 2002                                             |
| 5. | رئيس اللجنة العلمية في كلية العلوم و تكنولوجيا المعلومات                          |

المؤهلات العلمية:

| الدرجة | تاريخ الحصول عليها | الجامعة          |
|--------|--------------------|------------------|
| 1.     | 1992/ 7            | مؤتة/ الأردن     |
| 2.     | 1998 /6            | آل البيت/ الأردن |
| 3.     | 2002 / 3           | Putra/ماليزيا    |



## الأهداف المهنية:

- 1- تزويد الطلبة بالمعارف والمهارات الأساسية
- 2- التركيز على الأبحاث العملية
- 3- النشر في مجلات لها عامل تأثير

## الخبرات التدريسية:

|    |      |      |                                           |
|----|------|------|-------------------------------------------|
| 1. | 2015 | الآن | استاذ في جامعة الزرقاء                    |
| 2. | 2010 | 2015 | استاذ مشارك في جامعة الزرقاء              |
| 3. | 2002 | 2010 | استاذ مساعد في جامعة الزرقاء              |
| 4. | 2000 | 2002 | محاضر في جامعة الوسائط المتعددة الماليزية |
| 5. | 1998 | 2000 | محاضر في جامعة إنتي الماليزية             |

## الابحاث المنشورة والمقبولة للنشر:

| ت  | عنوان البحث                                                                             | جهة النشر                                                        | السنة والاصدار           |
|----|-----------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------|
| 1. | A New Addition Formula For Elliptic Curves Over $GF(2^n)$                               | IEEE Transactions on Computers<br><b>IEEE</b>                    | 2002<br>Vol. 51<br>No. 8 |
| 2. | An Improved Algorithm for the Solution of Sparse Linear Systems                         | <i>J. Inst. Math. &amp; Computer Sciences, (Comp. Sc. Ser.)</i>  | 2003<br>Vol. 14<br>No. 1 |
| 3. | An Improved Implementation of Elliptic Curve Digital Signature by Using Sparse elements | <i>The International Arab Journal of Information Technology.</i> | 2004<br>Vol. 1<br>No. 2, |
| 4. | Incremental Learning of Auto-Association Multilayer Perceptrons Network. pp 16-20.      | The International Arab Journal of Information Technology.        | 2006<br>Vol. 3<br>No. 1  |



|                            |                                                                                        |                                                                                              |     |
|----------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----|
| 2007<br>Vol.7<br>No. 22    | <i>journal of Applied Sciences</i>                                                     | Adaptive Quantum lossless compression.                                                       | .5  |
| 2007,<br>Vol. 4, No. 3     | <i>International Arab Journal of Information Technology.</i>                           | Quantum Computing for Solving a System of Nonlinear Equations                                | .6  |
| 2007<br>vol 4,<br>no.2,    | <i>Enformatika, International Journal of Applied Mathematics and Computer Science,</i> | Unconditionally Secure Quantum Payment System.                                               | .7  |
| 2008.<br>Vol.10<br>no.1    | <i>Jordan Journal of applied Science.</i>                                              | Discrete Quantum Walk for solving Nonlinear Equations over finite fields.                    | .8  |
| 2008<br>Vol. 5<br>No. 2    | <i>American Journal of Applied Sciences</i>                                            | A New Quantum Key Distribution Protocol.                                                     | .9  |
| 2008,<br>Vol. 1,<br>No. 1  | <i>Int. J. Open Problems Compt. Math.</i>                                              | The Constraints of Object-Oriented Databases.                                                | .10 |
| 2008<br>Vol. 1,<br>No. 2,, | <i>Int. J. Open Problems Compt. Math,</i>                                              | Computer Virus Strategies and Detection Methods.                                             | .11 |
| 2008,<br>Vol. 1,<br>No. 2, | <i>Int. J. Open Problems Compt. Math.,</i>                                             | Integer and Vector Multiplication by Using DNA.                                              | .12 |
| 2009<br>Vol 8              | <i>EXCLI Experimental and Clinical Sciences Journal</i>                                | Identifying DNA Splice Sites using Patterns Statistical Properties and Fuzzy Neural Networks | .13 |
| 2009,<br>vol.6             | <i>International Arab Journal of Information Technology</i>                            | A Framework to Automate the Parsing of Arabic                                                | .14 |



|                               |                                                                                                            |                                                                                                      |     |
|-------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----|
| No. 2.                        |                                                                                                            | Language Sentences                                                                                   |     |
| 2009                          | <i>Ubiquitous Computing and Communication Journal ,<br/>Special Issue on<br/>Bioinformatics and Image,</i> | Detecting Metamorphic Viruses by using Arbitrary Length of Control Flow Graphs and Nodes Alignment.. | .15 |
| 2009<br>vol 2                 | <i>Journal of Artificial Intelligence,</i>                                                                 | A Comparison between Three Neural Network Models for Classification Problems                         | .16 |
| 2009,<br>vol. 2               | <i>Int. J. Advance. Soft Comput. Appl.,</i>                                                                | Enhancement of the Face Recognition Using a Modified Fourier-Gabor Filter,                           | .17 |
| 2010<br>Vol. 9                | <i>EXCLI Experimental and Clinical Sciences Journal,</i>                                                   | Fast Protein Classification by Using the Most Significant Pairs:133-140.                             | .18 |
| 2010<br>Vol. 12               | <i>Universal Journal of Computer Science and Engineering Technology.</i>                                   | Cancer Diagnosis Using Fuzzy Radial Basis Functions Network.                                         | .19 |
| 2012,<br>Volume 6,<br>Issue 4 | <i>Signal, Image and Video Processing Journal<br/>Springer</i>                                             | A new iris localization method based on the competitive chords,                                      | .20 |
| 2013<br>Vol. 13               | <i>Applied Soft Computing,<br/>Elsevier</i>                                                                | New Empirical Nonparametric Kernels for Support Vector Machine Classification                        | .21 |
| 2013<br>Vol.13                | <i>Int. J. Innovation and Learning</i>                                                                     | Simplified approach for generating integrity tests in                                                | .22 |



|                                   |                                                                                      |                                                                                                                                                                                          |            |
|-----------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| No.4                              |                                                                                      | distributed database systems                                                                                                                                                             |            |
| <b>2013,</b><br>Vol. 48,<br>No. 3 | <i>Int. J. of Computer<br/>Applications in Technology</i>                            | Texture Recognition by using<br>a Non-Linear Kernel,.                                                                                                                                    | <b>.23</b> |
| <b>2013,</b><br>Vol. 12,<br>No. 3 | International Journal of<br>Computational Intelligence<br>and Applications,          | Efficient DNA Motifs<br>Discovery using Modified<br>Genetic Algorithm                                                                                                                    | <b>.24</b> |
| 2013,<br>Vol.8,<br>No.2           | International Journal of<br>Security and Networks                                    | Simplified Features for Email<br>Authorship Identification,                                                                                                                              | <b>.25</b> |
| 2013,<br>Vol.61                   | International Journal of<br>Advanced Science and<br>Technology,                      | A Hybrid Algorithm Using a<br>Genetic Algorithm and<br>Cuckoo Search Algorithm to<br>Solve the Traveling Salesman<br>Problem and its Application<br>to Multiple Sequence<br>Alignment. . | <b>.26</b> |
| 2014<br>Vol.6                     | <i>I.J. Intelligent Systems and<br/>Applications,</i>                                | Enhanced Metaheuristic<br>Algorithms for the<br>Identification of Cancer<br>MDPs                                                                                                         | <b>.27</b> |
| 2014<br>Vol. 61                   | International Journal of<br>Advanced Science and<br>Technology,                      | A New Efficient Meta-<br>Heuristic Optimization<br>Algorithm Inspired by Wild<br>Dog Packs                                                                                               | <b>.28</b> |
| 2014<br>Vol. 4<br>No. 8           | <i>International Journal of<br/>Science and Advanced<br/>Technology</i>              | A Modified Optimization<br>Algorithm Inspired by Wild<br>Dog Packs                                                                                                                       | <b>.29</b> |
| Vol. 6, No.<br>2, 2014            | <i>International Journal of<br/>Intelligent Systems and<br/>Applications (IJISA)</i> | Enhanced Metaheuristic<br>Algorithms for the<br>Identification of Cancer<br>MDPs,                                                                                                        | <b>.30</b> |
| Vol. 7, No.<br>2, 2015.           | <i>International Journal of<br/>Modern Education and<br/>Computer Science,</i>       | An Efficient Algorithm for<br>Finding a Fuzzy Rough Set<br>Reduct Using an Improved<br>Harmony Search                                                                                    | <b>.31</b> |



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|----------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----|
| 2015<br>Vol. 9<br>No. 12,                    | International Journal of<br>Software Engineering and<br>Its Applications  | Power aware Ant colony<br>routing algorithm for mobile<br>ad-hoc networks,                      | .32 |
| 2015<br>Vol.4<br>No. 10                      | International Journal of<br>Engineering Science<br>Invention,             | Quantum Meta-Heuristic<br>Algorithm Based on<br>Harmony Search                                  | .33 |
| 2016<br>Vol. 13,<br>No. 6,                   | The International Arab<br>Journal of Information<br>Technology,           | KP-Trie Algorithm for<br>Update and Search<br>Operations                                        | .34 |
| 2016<br>Vol. 5, No. 8                        | International Journal of<br>Engineering Science<br>Invention              | A new algorithm for<br>Predicting Metabolic<br>Pathways                                         | .35 |
| 2020 Vol. 8,<br>NO.3,<br>March, 759 -<br>762 | International Journal of<br>Emerging Trends in<br>Engineering Research    | Minimal Walking<br>Technicolor Simulation<br>using Generative<br>Adversarial Networks<br>(GANs) | 36  |
| 2020<br>Vol. 16, No.<br>11, pp:45-56         | International Journal of<br>Online and Biomedical<br>Engineering (iJOE) – | Unique and Universal<br>Proteins in Human Genome                                                | 37  |
| 2023<br>Volume<br>2023, pp1-14               | Advances in Multimedia                                                    | The Recognition of Holy<br>Qur'an Reciters Using the<br>MFCCs' Technique and Deep<br>Learning   | 38  |
| 2024                                         | Frontiers of Human<br>Centricity in the Artificial                        | An Algorithm for Arabic<br>Semantic Matching Using                                              | 39  |



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|---------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----|
|                                 | Intelligence-Driven Society                                                  | New WordNet Tree                                                                                                                |    |
| 2024<br>14 (1), 30              | Social Network Analysis and Mining                                           | Arabic sentiment analysis of Monkeypox using deep neural network and optimized hyperparameters of machine learning algorithms   | 40 |
| 2024<br>Volume<br>2023, pp40-48 | ACM Transactions on Asian and Low-Resource Language Information Processing   | Arabic sentiment analysis for ChatGPT using machine learning classification algorithms: a hyperparameter optimization technique | 41 |
| 2024<br>Volume<br>2024, pp20-30 | Artificial Intelligence and Economic Sustainability in the Era of Industrial | Exploring the Effectiveness of Different Embedding Methods for Toxicity Classification                                          | 42 |
| 2024<br>Volume<br>2024, pp30-42 | Artificial Intelligence and Economic Sustainability in the Era of Industrial | Intelligent Edge: The Intersection of Artificial Intelligence and Digital Communication—A Survey                                | 43 |
| 2024<br>18 (18)                 | International Journal of Interactive Mobile Technologies                     | Optimizing Performance in Wireless Sensor Networks through a Multi-Objective Rendezvous Points Selection Algorithm.             | 44 |
| 2024<br>16 (3)                  | International Journal of Advances in Soft Computing & Its Applications       | Evaluation of Cloud Computing for Advancement LMS through Different Environments.                                               | 45 |



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|-----------------------|------------------------------------------------------------------|--------------------------------------------------------------------|----|
| (2088-8708)<br>15 (1) | International Journal of<br>Electrical & Computer<br>Engineering | Arabic fake news detection<br>using hybrid contextual<br>features. | 46 |
|-----------------------|------------------------------------------------------------------|--------------------------------------------------------------------|----|

## الكتب المؤلفة:

| ت  | عنوان الكتاب                                      | جهة النشر                                   | السنة |
|----|---------------------------------------------------|---------------------------------------------|-------|
| .1 | C# for Object Oriented and Visual<br>Programming, | عالم الكتب الحديث للتوزيع<br>والنشر الاردن. | 2008  |
| .2 | Visual Basic.NET                                  | دار وائل للتوزيع والنشر<br>الاردن،          | 2009  |

## المؤتمرات العلمية:

| ت  | اسم المؤتمر                                                                                    | الجهة المنظمة  | عنوان البحث                                                                                                              | فترة المؤتمر      |
|----|------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------|-------------------|
| .1 | INTEC 2000                                                                                     | UPM University | LUC and RSA<br>Methods for<br>Cryptosystems                                                                              | 2000<br>15/3-17/3 |
| .2 | International<br>Conference on<br>Mathematics and its<br>Applications in the<br>New Millennium | MMU University | ., Elliptic Curve<br>Arithmetic<br>Operations Over<br>$GF(2^n)$ and<br>$GF(P)$ For<br>Cryptosystems<br>Purposes, , 2000, | 2000<br>6/5-6/2   |





|                                   |                                                                                |                                                      |                                                                                                                 |    |
|-----------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----|
| 2003                              | Cryptography Based on Discrete Logarithm Problem Over a New Group              | ACIT'2003                                            | , International Arab Conference on Information Technology                                                       | .3 |
| February 22-25, Portugal 2005     | Sparse Elliptic Curve Cryptography To Improve The Electronic Payment Systems.. | IADIS                                                | the International Conference on Applied Computing,                                                              | .4 |
| 2006 April 5-7,                   | Discrete Quantum Walk for solving Nonlinear Equations over finite fields.      | CSIT2006                                             | Proceedings of the 4 <sup>th</sup> International Multiconference on Computer Science and Information Technology | .5 |
| 25-27, April, 2007, pp 64-67.     | Unconditionally Secure Quantum Payment System                                  | WASET                                                | International Conference on Computer, Information, and Systems Science, and Engineering, Barcelona, Spain       | .6 |
| 27-28, February 2009, pp 168-173. | Metamorphic Viruses Detection Using Artificial Immune System.                  | IEEE                                                 | Communication Software and Networks ICCSN,                                                                      | .7 |
| April 28-30, 2010,                | Integration of Support Vector Machine and Bayesian Neural Network for Data     | World Academy of Science, Engineering and Technology | International Conference on Data Mining and Knowledge Engineering, Rome,                                        | .8 |



|                             |                                                                                                                                                                  |                                                             |                                                                                                              |            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|------------|
|                             | Mining and Classification,<br><i>ICDMKE 2010,</i>                                                                                                                |                                                             | Italy                                                                                                        |            |
| Nov 14-16,<br><b>2011.</b>  | Improving Protein-Protein Interaction Prediction by Using Encoding Strategies World Academy of Science, Engineering and Technology and Random Indices, ICCVISIP: | <i>World Academy of Science, Engineering and Technology</i> | International Conference on Computer Vision, Image and Signal Processing, Franch, Paris                      | <b>.9</b>  |
| ,07-08,<br>May, 2013.       | Intrusion Detection Using a New Particle Swarm Method and Support Vector Machines,.                                                                              | WASET                                                       | ICCCISE 2013: International Conference on Computer, Communication and Information Sciences, and Engineering, | <b>.10</b> |
| March 18<br>to 20,<br>2015. | Face Recognition Using Fuzzy Clustering and Kernelized Lest Square,                                                                                              | CSIP                                                        | 4th International Conference on Signal and Image Processing CSIP 2015, Suzhou, China,                        | <b>.11</b> |
| April 25 -<br>26, 2016.     | An Accurate Method for Phylogeny Tree Reconstruction                                                                                                             | WASET                                                       | ICBBBCB 2016 : 18th International Conference on Bioinformatics,                                              | <b>.12</b> |



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|------------------------|---------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|-----|
|                        | Based on a Modified Wild Dog Algorithm.                                               |               | Biomedicine, Biotechnology and Computational Biology, Boston, USA                 |     |
| December 18 - 19, 2017 | Computing the Similarity and the Diversity in the Species Based on Cronobacter Genome | ICMLDA 2017 : | International Conference on Machine Learning and Data Analysis San Diego, USA     | .13 |
| October, 22-23, 2019   | LARGE SCALE AND REAL TIME CLASSIFIERS FOR SOCIAL MEDIA TEXT                           | ICAC          | Proceedings of 180th The IRES International Conference 22, 23rd                   | .14 |
| February 4 - 5, 2019   | Comparison between XGBoost, LightGBM and CatBoost Using a Home Credit Dataset         | WASET         | ICAIDM 2019 : International Conference on Artificial Intelligence and Data Mining | .15 |
| 2021                   | Predicting future citation counts using machine learning                              | ACIT2021      | International Arab Conference on Information Technology, ACIT                     | .16 |
| 2021                   | Improving VANET's performance by incorporated fog-                                    | ACIT2021      | International Arab Conference on Information Technology, ACIT                     | .17 |



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|-----------------|---------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------|-----|
|                 | cloud layer (FCL)                                                                                 |           |                                                                          |     |
| 2022<br>187-190 | Improving the Face Recognition Performance Using Gabor and VGGFace2 Features Concatenation        | InCIT     | 2022 6th International Conference on Information Technology              | .18 |
| 2023            | A Comparative Study of Transformers Embeddings for Question Answering in Arabic Private Documents | IEEE/ACIS | 2023 IEEE/ACIS 8th International Conference on Big Data, Cloud Computing | .19 |
| 2024<br>31-36   | Enhancing Cybersecurity with Transformers: Preventing Phishing Emails and Social Media Scams      | DSC       | 2024 IEEE Conference on Dependable and Secure Computing (DSC),           | .20 |
| 2024<br>1-9     | A Comprehensive Review of                                                                         | ACIT      | 2024 25th International Arab                                             | .21 |



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|--|-----------------------------------------------------------------------------------|--|----------------------------------------------|--|
|  | VANET Attacks: Predictive Models, Vulnerability Management, and Defense Selection |  | Conference on Information Technology (ACIT), |  |
|--|-----------------------------------------------------------------------------------|--|----------------------------------------------|--|

## الإشراف على الرسائل الجامعية:

| ت  | اسم الطالب       | عنوان الرسالة                                                                                  | الجامعة    | السنة |
|----|------------------|------------------------------------------------------------------------------------------------|------------|-------|
| 1. | kawther hawameda | Improving Iris recognition by using Fuzzy neural networks                                      | Al Al-Bayt | 2010  |
| 2. | Noura Alfayoumi  | Enhanced Metaheuristic Algorithms for the Identification of Cancer MDPs                        | Zarqa      | 2013  |
| 3. | Ala'a Abu Srhan  | An Improved Algorithm for the Traveling Salesman Problem and its Application in Bioinformatics | Zarqa      | 2014  |
| 4. |                  |                                                                                                |            |       |

## خدمة المجتمع:

| ت  | النشاط                                                                                                                                                 | الفترة |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1. | Refereeing JubiTech7 competition, jubilee school is annual technology exhibition in which students works in computer programming, design and other IT. | 2010   |

### المعلومات الشخصية:

|                     |   |                                                   |
|---------------------|---|---------------------------------------------------|
| الاسم               | : | عصام فالح سعيد الداود                             |
| مكان وتاريخ الميلاد | : | الرمثا 1970/11/10                                 |
| الجنسية             | : | أردني                                             |
| الحالة الاجتماعية   | : | متزوج                                             |
| عنوان السكن         | : | الرمثا - قرب المتصرفية                            |
| هاتف العمل          | : | 0096253821100<br>فرعي 1410                        |
| الهاتف النقال       | : | 0796680005                                        |
| العنوان البريدي     | : | كلية تكنولوجيا المعلومات - جامعة الزرقاء - الأردن |