CV OF DR. KHALED M. A. ALALAYAH
CURRICULUM VITAE

PERSONAL DATA:

Name: Khaled Mohammed Abdullah Alalayah**.**

Date & place of birth: 10-10-1977, IBB, Yemen.

Assistant Professor of Computer Science,

Faculty of Science and Arts at the Najran University - Branch Sharurah.

Scientific specialization General: Computer Science.

Exact scientific specialization: data security.

Sex: Male.

Nationality: Yemeni.

Marital Status: Married & have six children.

Mobile: +966554989216
E-mail: kh101ed2005@Yahoo.com
kmalalayah@nu.edu.sa
kh101ee2005@Gmail.com .

ACADEMIC QUALIFICATIONS: (POSITIONS)

PhD Degree in Computer Science, Faculty of Science, El-Menoufia University, Egypt. From 1-6-2008 to 25-2-2012.

Master Degree in Computer Science, Faculty of Science, Technological University, Iraq. From 01/10/2001 to 18/10/2003.

A B.SC Degree in Computer Science, Faculty of Science, Technological University, Iraq. From 01/10/1996 to 29/06/1999.

BUSINESS EXPERIENCE: (SCHOLARSHIPS AND AWARDS)

- Head operating systems department of the Central Banks, the Yemeni the branch of IBB from16/5/2000 until 09.20.2000.

- Envoy of the Ministry of Higher Education to study the Master of the Republic of Iraq 10.01.2000.

- Contracting teacher (master's degree) IBB University, Faculty of Science - Mathematics and Computer science department for most materials, the lack of staff but only one teacher from 10.20.2003 till the date of appointment 14.12.2000.

- A certain degree of Master in the IBB University - Faculty of Sciences - Department of Mathematics and Computer , a member of the board department from 12.14.2003 till 08.28.2007.

- envoy to study for a doctorate specialization Computer Science at the University of the Arab Republic of Egypt, El-Menoufia University from 28.08.2007 till 01.05.2011.

- Assistant Professor in the IBB University - Faculty of Sciences - Department of Mathematics and Computer Department and a member of the Board of 05.01.2011 till now.

- Currently the President of Divisions Computer and Computer Mathematics Department of Mathematics and Computer Science Faculty - University of IBB.

- **Review** of the scientific journal Global Perspective (Information Security Journal)). I Review of the scientific journal Global Perspective (Information Security Journal)). Has reviewed 13 of the papers so far on 02/08/2012.
 Scientific Journal site. http://mc.manuscriptcentral.com/uiss.

- **Review** of the Journal of Soft Computing and Computer Applications Face Recognition Systems from 2023 until now

- **Review** of the Journal of Soft Computing and Computer Applications Face Recognition Systems from 2024 until now

- Acting Dean of the Computer Center and Information Technology in IBB University from 17.07.2012.

- Assistant Professor of Computer Science, Faculty of Science and Arts at the Najran University - Branch Shararah from 10/10/2012 until now.

CERTIFICATES OF APPRECIATION AWARDS AND DECORATIONS

- I have a **new addition** in the cryptography of the doctoral thesis, papers published, recognized as securities and foreign views of the arbitrators on the thesis, namely,

(the use of artificial neural networks for the work of a successful attack on the cipher systems methods.
- I have a certificate and medal of creativity and scientific excellence of the cultural attaché of the Republic of Yemen Egypt in 2011.
- I have a certificate of appreciation by the scientific superiority of Yemen Embassy of the Republic of Egypt in 2009.

SKILLS AND TEACHING EXPERIENCES:

Teaching for students of computer science at the University of IBB-governmental and Private universities (Science and Technology University, Sciences Applied University and National University), the following materials.

Computer Introduction	Data Structures	Structured Programming C++
Computer Drawing	Data Structures and Algorithms	Computer Skills
Computer Graphics	Information Systems Security	Computer Security
Cyber Security and Research Methods	Digital Forensics and Cyber Security	Introduction to Cyber Security
Multimedia	Computer Security	Managing Organizations and Work Teams

Language Skills:
- Arabic: Mother tongue
- English: Good. I have Got a TOEFL certificate from the American University in Cairo degree (475).

Administrative functions of the college.

-Supervisor of the college's website from the year 1435 AH until the end of this year.
- The college's electronic corrector from the year 1435 AH until the end of this year.
- Supervisor of the department's field training committee
- Academic guidance coordinator in the department and member of the academic guidance committee in the department from the year until the end of this year 1434 AH.
- Member of several department committees, including schedules, quality, and scientific research.
     He also attended a number of seminars and courses related to quality and developing teaching and learning skills, and has certificates from the college demonstrating this.

PUBLICATIONS: (**Number of published research: 38**)
There are studies that have not been added to the list and are available on the research sites mentioned.

- Enhancing Cloud-Based Inventory Management: A Hybrid Blockchain Approach With Generative Adversarial Network and Elliptic Curve Diffie Helman Techniques

RR Irshad, Z Hussain, I Hussain, S Hussain, E Asghar, IM Alwayle, ...
IEEE Access 12, 25917-25932-2024

- A Robust and Secure Electronic Internet of Things-Cloud Healthcare Framework for Disease Classification Using Deep Learning

MA Siddiqui, A Islam, MA Khaleel, MM Ahmed, KM Alalayah, F Shaman, ...
Journal of Nanoelectronics and Optoelectronics 19 (2), 202-211-2024

- Abstractive Arabic Text Summarization Using Hyperparameter Tuned Denoising Deep Neural Network

IM Alwayle, HJ Alshahrani, SS Alotaibi, KM Alalayah, ASA Aziz, ...
Intelligent Automation & Soft Computing 38 (2)

- Smart System for Dengue Fever Diagnosis: A Machine Learning Approach

ALH Salah, KM Alalayah, NA Al-Majmar, AA Mohsen, A Aqlan, ...
2023 3rd International Conference on Emerging Smart Technologies and …

- Universities the Best Performers: A Cluster Analysis of Yemeni Universities Rankings

S Al-Hagree, AA Mohsen, FH Abdulrazzak, M Al-Sanabani, KM Alalayah, ...
2023 3rd International Conference on Emerging Smart Technologies and …

- IoT-Enabled Secure and Scalable Cloud Architecture for Multi-User Systems: A Hybrid Post-Quantum Cryptographic and Blockchain based Approach Towards a Trustworthy Cloud Computing

RR Irshad, S Hussain, I Hussain, JA Nasir, A Zeb, KM Alalayah, ...
IEEE Access

- Optimal Deep Learning Based Intruder Identification in Industrial Internet of Things Environment.

KM Alalayah, FS Alrayes, JS Alzahrani, KM Alaidarous, IM Alwayle, ...
Comput. Syst. Sci. Eng. 46 (3), 3121-3139

- Analysis of WSI Images by Hybrid Systems with Fusion Features for Early Diagnosis of Cervical Cancer

M Hamdi, EM Senan, B Awaji, F Olayah, ME Jadhav, KM Alalayah
Diagnostics 13 (15), 2538

- Hybrid Models Based on Fusion Features of a CNN and Handcrafted Features for Accurate Histopathological Image Analysis for Diagnosing Malignant Lymphomas

M Hamdi, EM Senan, ME Jadhav, F Olayah, B Awaji, KM Alalayah
Diagnostics 13 (13), 2258

- An intelligent buffalo-based secure edge-enabled computing platform for heterogeneous IoT network in smart cities

RR Irshad, S Hussain, I Hussain, I Ahmad, A Yousif, IM Alwayle, ...
IEEE Access

- Effective early detection of epileptic seizures through EEG signals using classification algorithms based on t-distributed stochastic neighbor embedding and K-means

4

KM Alalayah, EM Senan, HF Atlam, IA Ahmed, HSA Shatnawi
Diagnostics 13 (11), 1957

- Automatic and early detection of Parkinson's disease by analyzing acoustic signals using classification algorithms based on recursive feature elimination method
KM Alalayah, EM Senan, HF Atlam, IA Ahmed, HSA Shatnawi
Diagnostics 13 (11), 1924

- Optimal Signcryption-DNA Computing Based Image Encryption Technique
IAAMAD 24. Khaled M. Alalayah , Fatma S. Alrayes , Mohamed K Nour , Khadija ...
Computer Systems Science and Engineering 46 (3), 3121-3139

- Parameter Tuned Machine Learning Based Emotion Recognition on Arabic Twitter Data
MOAM 19. Ibrahim M. Alwayle , Badriyya B. Al-onazi , Jaber S. Alzahrani ...
Computer Systems Science and Engineering 46 (3), 3423-3438.

- Learning-Based Artificial Algae Algorithm with Optimal Machine Learning Enabled Malware Detection
IAAMAD 23. Khaled M. Alalayah , Fatma S. Alrayes , Mohamed K Nour , Khadija ...
Computer Systems Science and Engineering 46 (3), 3103-3119

- Automated Spam Review Detection Using Hybrid Deep Learning on Arabic Opinions
ASMAM 20. Ibrahim M. Alwayle , Badriyya B. Al-onazi , Mohamed K Nour, Khaled ...
Computer Systems Science and Engineering 46 (3), 2947-2961

- Improving healthcare facility safety with electronic monitoring by a machine learning framework based on the internet of things
KM Alalayah, MAG Hazber, A Alreshidi, B Awaji, F Olayah, M Altamimi
Journal of Nanoelectronics and Optoelectronics 18 (3), 347-356

- An optimization-linked intelligent security algorithm for smart healthcare organizations
RR Irshad, AA Alattab, OAS Alsaiari, SS Sohail, A Aziz, DØ Madsen, ...
Healthcare 11 (4), 580

- Design an internet of things standard machine learning based intrusion detection for wireless sensing networks
KM Alalayah, KM Alaidarous, SM Alzanin, MA Mahdi, MAG Hazber, ...
Journal of Nanoelectronics and Optoelectronics 18 (2), 217-226

- Convolutional neural network enable optoelectronic system for predicting cardiac response by analyzing auction-based optimization algorithms
RR Irshad, F Shaman, KM Alalayah, IM Alwayle, MAG Hazber, AM Aqlan, ...
Journal of Nanoelectronics and Optoelectronics 17 (9), 1274-1282

- A Novel Structure Optoelectronic Biosensor for Detection of Infectious Diseases Using SALP Swarm Optimized Artificial Neural Network Technique
RR Irshad, AA Alattab, IM Alwayle, KM Alalayah, KMG Noaman, ...
Journal of Nanoelectronics and Optoelectronics 17 (8), 1154-1162

- reCAPTCHA: Human Based Embedded Image Generation and Recognition for Web Security
KM ALALAYAH
International Journal 9 (7), 10

- Pattern Image based Dynamic Framework for Security in Web Application

KM Alalayah

International Journal of Advanced Trends in Computer Science and Engineering …

- **Education Data Mining For Yemen Regions Based On Hierarchical Clustering Analysis**

F Alqasemi, ALH Salah, A Aqlan, KMA Alalayah, Z Almotwakl, M Hadwan

2021 International Conference of Technology, Science and Administration …

- **Feature selection optimization for highlighting opinions using supervised and unsupervised learning on Arabic language**

KM Alalayah, IMG Alwayle, FA Alqasemi, NA Al-Majmar

International Journal 10 (2)

- **A new fast local laplacian completed local ternary count (FLL-CLTC) for facial image classification**

KM Alalayah, RR Irshad, TH Rassem, BA Mohammed

IEEE Access 8, 98244-98254

- **Efficient Integration Method For Human Facial Images Retrieval Based on Visual Content and Semantic Description**

KMAA AHMED ABDU ALATTAB, SAMEEM ABDUL KAREEM, IBRAHEEM M.G. ALWAYLE, ANWAR ...

Journal of Theoretical and Applied Information Technology 98 (8), 1134-1150

- **Designing an accurate and efficient algorithm for matching arabic names**

S Al-Hagree, M Al-Sanabani, KMA Alalayah, M Hadwan

2019 First International Conference of Intelligent Computing and Engineering …

- **Black Box Attack of Simulation Secret Key Using Neural-Identifier**

AAA Khaled M Alalayah, Khadija M.Alaidarous, Ibrahim MG Alwayle

Journal of Computational Information Systems 15 (3), 153-161

- **A survey: Transformation for integrating relational database with semantic Web**

MAG Hazber, R Li, B Li, Y Zhao, KMA Alalayah

Proceedings of the 2019 3rd International Conference on Management …

- **Breast Cancer Diagnosis based on Genetic Algorithms and Neural Networks**

KMA Alalayah, SAM Almasani, WAA Qaid, IA Ahmed

International Journal of Computer Applications 975, 8887

- **Wavelet completed local ternary pattern (WCLTP) for texture image classification**

A Shamaileh, TH Rassem, IA Ahmed, KM Alalayah

Advanced Science Letters 24 (10), 7675-7681

- **Simulation of an Intranet-Based Module Gnuplot**

AA Mohsen, NA Al-Majmar, KM Alalayah

International Journal of Innovation and Applied Studies 24 (1), 109-116

- **An approach for automatically generating R2RML-based direct mapping from relational databases**

MAG Hazber, R Li, G Xu, KM Alalayah

Springer, Singapore, International Pioneering Computer Scientists …

- Applying neural networks for simplified data encryption standard (SDES) cipher system cryptanalysis.

KM Alallayah, AH Alhamami, W AbdElwahed, M Amin

Int. Arab J. Inf. Technol. 9 (2), 163-169

- Attack and construction of simulator for some cipher systems using neuro-Identifier.

KM Alallayah, M Amin, WF Abd El-Wahed, AH Alhamami

Int. Arab J. Inf. Technol. 7 (4), 365-372

- Attack of against simplified data encryption standard cipher system using neural networks

KM Alallayah, WFA El-Wahed, M Amin, AH Alhamami

Journal of Computer Science 6 (1), 29

Khaled M. Alalayah

Assistant Professor of Computer Science in Najran University and IBB University
Verified email at nu.edu.sa - Homepage

Computer Science

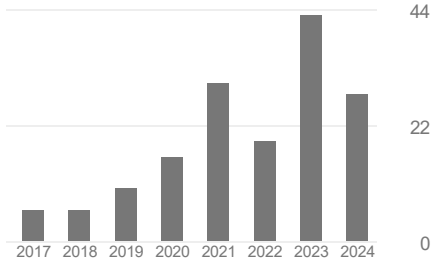**Cited by**   VIEW ALL

	All	Since 2019
Citations	191	146
h-index	7	7
i10-index	5	5

Year	Value
2017	
2018	
2019	
2020	
2021	
2022	
2023	44
2024	

Public access   VIEW ALL

0 articles	2 articles
not available	available

Based on funding mandates

Co-authors

Alaa Al-hamami
Professor of Database Security, …

Ruixuan Li
Professor of Computer Science, …

Guandong Xu, PhD
Chair Professor EduHK, Profess…

Taha Hussein Rassem, P.Tech, PhD,…
School of Computer Science and…

Ayedh Abdulaziz Mohsen
Assoc Prof

TITLE	CITED BY	YEAR
Enhancing Cloud-Based Inventory Management: A Hybrid Blockchain Approach With Generative Adversarial Network and Elliptic Curve Diffie Helman Techniques RR Irshad, Z Hussain, I Hussain, S Hussain, E Asghar, IM Alwayle, … IEEE Access 12, 25917-25932		2024
Abstractive Arabic Text Summarization Using Hyperparameter Tuned Denoising Deep Neural Network IM Alwayle, HJ Alshahrani, SS Alotaibi, KM Alalayah, ASA Aziz, … Intelligent Automation & Soft Computing 38 (2)		2023
Smart System for Dengue Fever Diagnosis: A Machine Learning Approach ALH Salah, KM Alalayah, NA Al-Majmar, AA Mohsen, A Aqlan, … 2023 3rd International Conference on Emerging Smart Technologies and …		2023
Universities the Best Performers: A Cluster Analysis of Yemeni Universities Rankings S Al-Hagree, AA Mohsen, FH Abdulrazzak, M Al-Sanabani, KM Alalayah, … 2023 3rd International Conference on Emerging Smart Technologies and …		2023
IoT-Enabled Secure and Scalable Cloud Architecture for Multi-User Systems: A Hybrid Post-Quantum Cryptographic and Blockchain based Approach Towards a Trustworthy Cloud Computing RR Irshad, S Hussain, I Hussain, JA Nasir, A Zeb, KM Alalayah, … IEEE Access	5	2023
Optimal Deep Learning Based Intruder Identification in Industrial Internet of Things Environment. KM Alalayah, FS Alrayes, JS Alzahrani, KM Alaidarous, IM Alwayle, … Comput. Syst. Sci. Eng. 46 (3), 3121-3139	4	2023
Analysis of WSI Images by Hybrid Systems with Fusion Features for Early Diagnosis of Cervical Cancer M Hamdi, EM Senan, B Awaji, F Olayah, ME Jadhav, KM Alalayah Diagnostics 13 (15), 2538	3	2023
Hybrid Models Based on Fusion Features of a CNN and Handcrafted Features for Accurate Histopathological Image Analysis for Diagnosing Malignant Lymphomas M Hamdi, EM Senan, ME Jadhav, F Olayah, B Awaji, KM Alalayah Diagnostics 13 (13), 2258	2	2023
An intelligent buffalo-based secure edge-enabled computing platform for heterogeneous IoT network in smart cities RR Irshad, S Hussain, I Hussain, I Ahmad, A Yousif, IM Alwayle, … IEEE Access	6	2023
Effective early detection of epileptic seizures through EEG signals using classification algorithms based on t-distributed stochastic neighbor embedding and K-means KM Alalayah, EM Senan, HF Atlam, IA Ahmed, HSA Shatnawi Diagnostics 13 (11), 1957	5	2023
Automatic and early detection of Parkinson's disease by analyzing acoustic signals using classification algorithms based on recursive feature elimination method KM Alalayah, EM Senan, HF Atlam, IA Ahmed, HSA Shatnawi Diagnostics 13 (11), 1924	12	2023
Optimal Signcryption-DNA Computing Based Image Encryption Technique IAAMAD 24. Khaled M. Alalayah , Fatma S. Alrayes , Mohamed K Nour , Khadija … Computer Systems Science and Engineering 46 (3), 3121-3139		2023
Parameter Tuned Machine Learning Based Emotion Recognition on Arabic Twitter Data MOAM 19. Ibrahim M. Alwayle , Badriyya B. Al-onazi , Jaber S. Alzahrani , … Computer Systems Science and Engineering 46 (3), 3423-3438.	2	2023
Learning-Based Artificial Algae Algorithm with Optimal Machine Learning Enabled Malware Detection IAAMAD 23. Khaled M. Alalayah , Fatma S. Alrayes , Mohamed K Nour , Khadija … Computer Systems Science and Engineering 46 (3), 3103-3119		2023
Automated Spam Review Detection Using Hybrid Deep Learning on Arabic Opinions ASMAM 20. Ibrahim M. Alwayle , Badriyya B. Al-onazi , Mohamed K Nour , Khaled … Computer Systems Science and Engineering 46 (3), 2947-2961		2023
Improving healthcare facility safety with electronic monitoring by a machine learning framework based on the internet of things KM Alalayah, MAG Hazber, A Alreshidi, B Awaji, F Olayah, M Altamimi Journal of Nanoelectronics and Optoelectronics 18 (3), 347-356	2	2023
An optimization-linked intelligent security algorithm for smart healthcare organizations	4	2023

TITLE	CITED BY	YEAR
RR Irshad, AA Alattab, OAS Alsaiari, SS Sohail, A Aziz, DØ Madsen, ... Healthcare 11 (4), 580		
Design an internet of things standard machine learning based intrusion detection for wireless sensing networks KM Alalayah, KM Alaidarous, SM Alzanin, MA Mahdi, MAG Hazber, ... Journal of Nanoelectronics and Optoelectronics 18 (2), 217-226	1	2023
Convolutional neural network enable optoelectronic system for predicting cardiac response by analyzing auction-based optimization algorithms RR Irshad, F Shaman, KM Alalayah, IM Alwayle, MAG Hazber, AM Aqlan, ... Journal of Nanoelectronics and Optoelectronics 17 (9), 1274-1282	4	2022
A Novel Structure Optoelectronic Biosensor for Detection of Infectious Diseases Using SALP Swarm Optimized Artificial Neural Network Technique RR Irshad, AA Alattab, IM Alwayle, KM Alalayah, KMG Noaman, ... Journal of Nanoelectronics and Optoelectronics 17 (8), 1154-1162	2	2022
reCAPTCHA: Human Based Embedded Image Generation and Recognition for Web Security KM ALALAYAH International Journal 9 (7), 10	1	2021
Pattern Image based Dynamic Framework for Security in Web Application KM Alalayah International Journal of Advanced Trends in Computer Science and Engineering …		2021
Education Data Mining For Yemen Regions Based On Hierarchical Clustering Analysis F Alqasemi, ALH Salah, A Aqlan, KMA Alalayah, Z Almotwakl, M Hadwan 2021 International Conference of Technology, Science and Administration …	7	2021
Feature selection optimization for highlighting opinions using supervised and unsupervised learning on Arabic language KM Alalayah, IMG Alwayle, FA Alqasemi, NA Al-Majmar International Journal 10 (2)	1	2021
A new fast local laplacian completed local ternary count (FLL-CLTC) for facial image classification KM Alalayah, RR Irshad, TH Rassem, BA Mohammed IEEE Access 8, 98244-98254	4	2020
Efficient Integration Method For Human Facial Images Retrieval Based on Visual Content and Semantic Description KMAA AHMED ABDU ALATTAB, SAMEEM ABDUL KAREEM, IBRAHEEM M.G. ALWAYLE, ANWAR … Journal of Theoretical and Applied Information Technology 98 (8), 1134-1150		2020
Designing an accurate and efficient algorithm for matching arabic names S Al-Hagree, M Al-Sanabani, KMA Alalayah, M Hadwan 2019 First International Conference of Intelligent Computing and Engineering …	4	2019
Black Box Attack of Simulation Secret Key Using Neural-Identifier AAA Khaled M Alalayah, Khadija M.Alaidarous, Ibrahim MG Alwayle Journal of Computational Information Systems 15 (3), 153-161		2019
A survey: Transformation for integrating relational database with semantic Web MAG Hazber, R Li, B Li, Y Zhao, KMA Alalayah Proceedings of the 2019 3rd International Conference on Management …	9	2019
Breast Cancer Diagnosis based on Genetic Algorithms and Neural Networks KMA Alalayah, SAM Almasani, WAA Qaid, IA Ahmed International Journal of Computer Applications 975, 8887	8	2019
Wavelet completed local ternary pattern (WCLTP) for texture image classification A Shamaileh, TH Rassem, IA Ahmed, KM Alalayah Advanced Science Letters 24 (10), 7675-7681	2	2018
Simulation of an Intranet-Based Module Gnuplot AA Mohsen, NA Al-Majmar, KM Alalayah International Journal of Innovation and Applied Studies 24 (1), 109-116		2018
Year of Publication: 2018 KMA Alalayah, SAM Almasani, WAA Qaid, IA Ahmed		2018
An approach for automatically generating R2RML-based direct mapping from relational databases MAG Hazber, R Li, G Xu, KM Alalayah Springer, Singapore, International Pioneering Computer Scientists …	16	2016
Applying neural networks for simplified data encryption standard (SDES) cipher system cryptanalysis. KM Alallayah, AH Alhamami, W AbdElwahed, M Amin Int. Arab J. Inf. Technol. 9 (2), 163-169	38	2012
Attack and construction of simulator for some cipher systems using neuro-Identifier. KM Alallayah, M Amin, WF Abd El-Wahed, AH Alhamami Int. Arab J. Inf. Technol. 7 (4), 365-372	26	2010
Attack of against simplified data encryption standard cipher system using neural networks KM Alallayah, WFA El-Wahed, M Amin, AH Alhamami Journal of Computer Science 6 (1), 29	23	2010

Designing an Accurate and Efficient Algorithm for Matching Arabic Names
ALH Salah, M Al-Sanabani, KMA Alalayah, M Hadwan

Learning-Based Artificial Algae Algorithm with Optimal Machine Learning Enabled Malware Detection
KM Alalayah, FS Alrayes, MK Nour, KM Alaidarous, IM Alwayle, ...

Articles 1–39   ⌄ SHOW MORE