

RESUME

	Citations	H-Index
Google Scholar	155	7
Scopus	19	3
Research Gate		7.54

Mohammed Salem Atoum

(Assistant Professor, Ph.D.)

Irbid National University

Faculty of science and information technology

Computer science Department

Irbid – Jordan



Personal Information

Nationality: Jordanian

Marital Status: Married

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Primary e-mail: Atoum@inu.edu.jo

Secondary e-mail: moh_atoom1979@yahoo.com

Scopus Profile: <https://www.scopus.com/authid/detail.uri?authorId=56266518600>

Google Scholar Citations: <https://scholar.google.com/citations?user=a6WBtG8AAAAJ&hl=en>

Research Gate Profile: https://www.researchgate.net/profile/Mohammed_Atoum

Current Position

Assistant professor

Irbid National University

Faculty of science and information technology

Computer science Department

Irbid – Jordan

Education

Ph.D. in Computer Science

June. 2014

Major: Information and network security

University: University Technology Malaysia (187 QS Ranking)

GPA 3.76.

Thesis Title: MP3 Audio Steganography Using Extended Least Significant Bit Technique.

June. 2009

M.Sc. in Computer Science

Major: Information Security

University: Al al-Bayt University, Jordan

GPA 84.6%

Thesis Title Using Steganography For Embedding Encrypted Data in MP3.

June. 2002

B.Sc. in Computer Science

Irbid National University, Jordan

GPA 73.3%

Graduate Project Title: WAP Card 2002

Research Interests

- ☒ Cyber Security
- ☒ Information Security
- ☒ Block chain Technology
- ☒ E-Learning

Professional Experience

11/6/2014 Until now

Assistant Professor in Irbid National University

25/9/2016 to 1/10/2017	Chairman of Computer Science Department
1/9/2012 to 1/4/2014	Lecturer in MEDIU University in Shah Alam- Malaysia
1/1/2003 to 5/2/2011	Trainer ICDL Certificated in Jerash University
1/1/2004 to 5/2/2011	Trainer INTEL Program in Ministry Of Education- Jordan
07/5/ 2012 Until now	Lecturer and Trainer for General Function and Behavior, Network Security, Protection System and Information Hiding
1/9/2018 Until now	✓ Trainer of My Way to the Job provided by INJAZ company- Jordan/ Leadership and Employment Program. ✓ Trainer of MAHARAT from Google provided by INJAZ company- Jordan/ Leadership and Employment Program ✓ Trainer of Cyber Security by INJAZ company- Jordan
25/8/2002 – 11/2/2011	Teacher in Ministry of Education

Publications

☒ Journals

1. Efficient Handover Approach in 5G Mobile Networks, Mohammad Alnabhan, Enas Al-qatawneh, Ahmad Abadleh, **Mohammed Atoum**, Mohammad Alnawwyseh, International Journal on Advanced Science, Engineering, Information and Technology, 2020 (Scopus Q2).
2. A Silver Lining of Coronavirus Jordanian Universities Turn to Distance Education, Khaleel Bataineh , **Mohammed Atoum**, Lama Alsmadi and May Shikhali, International Journal of Information and Communication Technology Education, 2020, (Scopus Q3).
3. Enhanced D2D Communication Model in 5G Networks, Mohammad Alnabhan, Sajeda Al-jaafreh, Ahmad Abadleh, **Mohammed Atoum**, Awni Hammouri and Mahmoud Al-dalahmeh, International Journal of Computing and Digital Systems, 2020, (Scopus Q4).
4. Predicting the Number of Multiple Chronic Conditions in Arizona State Using Data Mining Algorithms, Najah Al-Shanableh and **Mohammed Atoum**, International Journal of Advanced Trends in Computer Science and Engineering, 2020, (Scopus Q4).

5. Sentiment Analysis And Classification Of Arab Jordanian Facebook Comments For Jordanian Telecom Companies Using Lexicon-Based Approach And Machine Learning, Khalid Nahar, Amerah Jaradat, **Mohammed Atoum**, Firas Ibrahim, 2020, (Scopus).
6. Exploring Facebook affordances in natural disaster: case study of the 2018 dead sea flash floods in Jordan, Alaeddin Banikalef, Khaleel Al Bataineh, **Mohammed Atoum**, International Journal of Engineering & Technology, 2019, (Scopus Q4).
7. Steganography and Watermarking: Review, **Mohammed Atoum**, International Journal of Science and Research, 2018.
8. ZigBee Nodes' EMI Immunity by Automatic Channel Selection Algorithm Paper, Ahmad Habboush, Mohammad Alnabhan and **Mohammed Atoum**, International Journal of Computer Science and Information Security, 2017, (Scopus Q4).
9. Advanced LSB Technique For Audio Steganography, **Mohammed Atoum**, Mohammad Alnabhan and Ahmad Habboush, Computer Science & Information Technology, 2017.
10. Hiding a Message in MP3 by Using LSB with 1,2,3 and 4 Bits, Alaa Alarood, Azizah Manaf, Mohammed J. Alhaddad and **Mohammed Atoum**, International Journal of Computer Networks & Communications, 2016, (Scopus Q4).
11. Generation New MP3 Data Set After Compression, **Mohammed Atoum** and Mohammad Almahameed, American Institute of Physics, 2016, (Scopus).
12. A Review Paper In Steganography Method that Using Message Integrity Technique, **Mohammed Atoum** and Ahmad Habboush, International Journal of Applied Engineering Research, 2015, (Scopus Q2).
13. A various Issues in Image Steganography that using LSB Technique, **Mohammed Atoum** and Mohammed Abu Shquier, International Journal of Computer Networks and Communications Security, 2015.
14. A New Method for Audio Steganography Using Message Integrity, **Mohammed Atoum**, Subariah Ibrahim, Ghazali Sulong, Mazdak Zamani, Journal of Convergence Information Technology , 2013, (Scopus).
15. New Secure Scheme in Audio Steganography (SSAS), **Mohammed Atoum**, S Ibrahim, G Sulong and A Ahmed, Australian Journal of Basic and Applied Sciences, 2012, (Scopus).
16. MP3 Steganography: Review, **Mohammed Atoum**, Subariah Ibrahim and Ghazali Sulong, M Ali, International Journal of Computer Science Issues, 2012.

☒ Conferences

1. 2D Visualization for Object-Oriented Software Systems, Mohammad Alnabhan, Awni Hammouri, Mustafa Hammad, **Mohammed Atoum** and Omamah Al-Thnebat,

International Conference on Intelligent Systems and Computer Vision (ISCV), Morocco, IEEE, 2018.

2. Arabic to English Machine Translation, M Abu Shquier, **Mohammed Atoum** and O M Abu Shqeer, Proceedings of the New Trends in Information Technology (NTIT), Jordan, 2017.
3. Applying AWGN MP3 Steganography Attack in BILSB and SLB techniques, Mahmood Salih and **Mohammed Atoum**, 4th International Conference on Advanced Computer Science Applications and Technologies, Malaysia, IEEE, 2015.
4. Exploring the Challenges of MP3 Audio Steganography, **Mohammed Atoum**, Subariah Ibrahimn, Ghazali Sulong, Akram Zeki, Adamu Abubakar, International Conference on Advanced Computer Science Applications and Technologies, Malaysia , IEEE, 2013.

☒ Books

1. **Atoum, Mohammed S.** "Embedding Encrypted Text in MP3 Steganography", LAP Lambert Academic Publishing, Germany, 2016.

☒ Book Chapters

2. **Atoum, M. S** , Book chapter: Audio File formats, IIUM, Malaysia (2015).
3. **Atoum, M. S** , Book chapter: A Comparative Study of Combination with Different LSB Techniques in MP3 Steganography, Information Science and Applications, – Springer (2015).

<h3>ACADEMIC HONORS AND AWARDS</h3>

1. Certificate **Introduction to Cybersecurity 0520 ddm**– CISCO Academy 2020
2. Certificate **Essential Cybersecurity training EN 0118**– CISCO Academy 2019
3. Certificate Trainer of **My Way To The Job** provided by INJAZ company– Jordan / Leadership and Employment Program. 2018
4. Certificate Trainer of **MAHARAT Google** provided by INJAZ company– Jordan / Leadership and Employment Program. 2018– 2019.
5. Certificate completed **Data Science and Machine Learning** course– EDRAAK platform 2019.
6. Certificate completed **Project management** course– EDRAAK platform 2019.
7. Certificate completed **Cybersecurity** course– EDRAAK platform 2019.
8. Presented in **POSTGRADUATE ANNUAL RESEARCH SEMINAR PARS**, From 27–29 NOVEMBER 2012 in Faculty Of Computing UTM– Malaysia.

9. For Service Contribution And Performed Duties With Full Responsibility as **PRESIDENT OF INTERNATIONAL STUDENT SOCIETY- JORDAN SESSION 2011/2012**, from UTM International Student Center ISS-UTM MALAYSIA.
10. Training Course of the **ADVANCED INFORMATION AND IMAGE SYSTEM SECURITY**, From 6–10 January 2013 in Mariott Hotel Kualampure Malaysia.
11. Trainers and Participants the **WORKSHOP GENERAL FUNCTION AND THEIR BEHAVIOURS**, In Holayday Inn Hotel In Dubai From 8–14 February 2013.
12. For **SECRETARIAT EXECUTIVE COUNCIL FEDERATION OF THE UNIVERSITIES OF THE ISLAMIC WORLD**, From 12–13 MARCH 2013 in UTM- Malaysia.
13. For The Participant **THE 76TH ANNIVERSARY OF JORDAN'S INDEPENDENCE DAY**, AT 25 MAY 2013 IN ISS- UTM- Malaysia
14. For The Participated in **THE WRITING THESIS/ DISSERTATION FOR POSTGRADUATE STUDENTS**, From 18–20 JUNE 2013 in Language Academy UTM- Malaysia.
15. For The Participating in **International Conference on Advanced Computer Science Application and Technologies ACSAT2013**, from 22nd – 24th December 2013 held at Kuching- Sarawak- Malaysia.
16. For presenting the paper entitled **Exploring the Challenges of MP3 Audio Steganography** in International Conference on Advanced Computer Science Application and Technologies ACSAT2013 from 22nd – 24th December 2013 held at Kuching- Sarawak- Malaysia.
17. Participant **1st international roundtable conference on Islamic leadership for Muslim scientists (IRCIL2014)**. 19–20 May 2014 at University Technology Malaysia. Kuala Lumpur.
18. Participant in **6th International Conference on Information Science and Applications (ICISA's)**. February 24th–26th 2015, Pattaya, Thailand.
19. Session Chair in **6th International Conference on Information Science and Applications (ICISA's)**. February 24th–26th 2015, Pattaya, Thailand.
20. Session Chair on **Arabic Natural Language Processing in Workshop of WCIS2015**, which organized by the IT faculty in Tabuk University- Kingdom of Saudi Arabia- October 7–8 th 2015, Tabuk, Kingdom of Saudi Arabia.
21. Participant in **Arabic Natural Language Processing in Workshop of WCIS2015**, which organized by the IT faculty in Tabuk University- Kingdom of Saudi Arabia- October 7–8 th 2015, Tabuk, Kingdom of Saudi Arabia.
22. Participant the workshop on **Cloud ORACLE**, which organized by the ORACLE Academy- Jordan, November 21th 2016, Amman, Jordan.

23. Participant the workshop on **ORACLE Academy Curriculum**, which organized by the ORACLE Academy– Jordan, December 4th, 2016, Amman, Jordan.

24. Participant the workshop on Publication in **High Impact Factor Journals**, which organized by INU– Jordan, October 11th, 2016, Amman, Jordan.

Consultations and Committees Membership

- ☒ **Committee Member** of the Steering Committee of the National Technology Parade (June 2017 – 2019)
- ☒ **Committee Member**, Jordan Academicians Society, Amman – Jordan (June 2014 to Present).
- ☒ **Committee Member**, Arab Researchers ID (ARID), Malaysia (December 2014 to Present).
- ☒ Membership in the **Society of Digital Information and Wireless Communications (SDIWC)**.
- ☒ Membership in the **International Association for the Engineering and the Computer Scientists (IAENG)**.
- ☒ Editor of **International Journal of Engineering Research and Technology**.
- ☒ Editor in **International Journal of Computer Networks and Communications Security**
- ☒ Reviewer in the following Journal and Conferences:
 - ✓ **Journal of Advanced Computer Science and Technology Research**.
 - ✓ **The International Journal of Digital Information and Wireless Communications (IJDWC)**.
 - ✓ **The International Journal of Cyber-Security and Digital Forensics (IJCSDF)**.
 - ✓ **The International Journal of New Computer Architectures and Their Applications (IJNCAA)**.
 - ✓ **The Second International Conference on Informatics Engineering & Information Science (ICIEIS2013)**.
 - ✓ **2nd International Conference on Advanced Computer Science Applications and Technologies – ACSAT2013, ACSAT 2014 and ACSAT 2015**.
 - ✓ **The Third International Conference on e-Technologies and Networks for Development (ICeND2014)**.
 - ✓ **International Conference on Software Networking (ICSN2016)**.
 - ✓ **Engineering science and technology an international journal, Elsevier**

Academic Committees Membership

Irbid National University

- ☒ Member of University Board (Sept. 2016 – Sept. 2017).
- ☒ Member of E-Learning Committee (Feb. 2020 – present)

- ☒ Member of The University Website Committee (May 2013 – Dec. 2013)
- ☒ Member of Journals Accreditation Committee (NOV 2019– present).
- ☒ Member of a Review instructions Committee in scientific research and graduate studies (Sept 2017– Feb 2018).

Faculty of Science and Information Technology Committees (June 2014 – Present)

- ☒ Member of Curriculum Planning Committee.
- ☒ Member of E-learning Committee.
- ☒ Member of Examinations and Quality Assurance Committee.
- ☒ Member of Graduate Studies Committee.
- ☒ Member of Social Committee.
- ☒ Member of Local Community Reach Committee.
- ☒ Member of Scientific Research, Conferences, Seminars, and Expositions Committee.

Computer Science Department Committees (June 2014 – Present)

- ☒ Chairman of Curriculum Planning Committee.
- ☒ Chairman of Quality Assurance Committee.
- ☒ Chairman of Graduate Studies Committee.
- ☒ Chairman of M.Sc. Thesis Examination Committee.
- ☒ Chairman of Student Consultative Committee.
- ☒ Chairman of Student Internship Committee.
- ☒ Chairman of Social Committee.
- ☒ Chairman of Scientific Research & graduate Studies Committee.
- ☒ Member of Many M.Sc. Thesis – Examination Committees.

Teaching

Undergraduate Level courses

- ☒ Information Security Course.
- ☒ Cryptography Course.
- ☒ Computer Networks (1) Course.
- ☒ Algorithm Analysis Course.
- ☒ VB.NET Course.
- ☒ Research Methodology Course.
- ☒ Computer Ethics and Legal Course.

- ☒ Networks Administration Course.
- ☒ Compilers construction Course.
- ☒ Discrete Mathematics Course.
- ☒ Computer Skills II Course.
- ☒ Digital Logic Design Course.
- ☒ Artificial intelligent Course.
- ☒ Data Structure Course.
- ☒ Informational Culture Course.

Funds

- ☒ Erasmus+ mobility project between “program countries” and “partner countries” with middle East Technical University in Turkey Awarded about 2.819.021,97 € budget by European Commission to establish student and staff mobility.
- ☒ Project " Block chain Education Committee" by Scientific Research Support Fund

Article in Newspaper

- ☒ الحروب السيبرانية.. ضحايا متتالية - صحيفة الرأي 2020/1/22
<http://alrai.com/article/10520667> كتاب/الحروب-السيبرانية-ضحايا-متتالية
- ☒ الأمن السيبراني في سلور... - صحيفة الرأي 2019/8/8
<http://alrai.com/article/10497278> كتاب/الأمن-السيبراني-في-سلور
- ☒ التبرع الأكاديمي - صحيفة الرأي 2019/5/24
<http://alrai.com/article/10485422> كتاب/التبرع-الأكاديمي
- ☒ المخدرات الرقمية... أفة جديدة تصدح مجتمعاتنا - صحيفة الرأي 2018/10/17
<http://alrai.com/article/10455704> كتاب/المخدرات-الرقمية-أفة-جديدة-تصدح-مجتمعاتنا
- ☒ الألعاب الإلكترونية: قضاء وقت أم طريق للموت؟ - صحيفة الرأي 2018/6/27
<http://alrai.com/article/10441861> كتاب/عنوان الألعاب-الإلكترونية-قضاء-وقت-أم-طريق-للموت