

Date: 19/09/2024

BASHAR SUHIL JADALLA  
KHASSAWNEH



### PERSONAL INFORMATION

**Title:** Faculty member / Computer Science and Information Systems Department.

**Academic Rank:** Assistant Professor

**Date & Place of Birth:** 31/10/1987 - Irbid

**Nationality:** Jordanian

**Address:** Amman, Jordan

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### ACADEMIC QUALIFICATIONS

Degree	Major	Duration (From-To)	University	Country
Ph.D.	Applied Mathematics and Computer Science	2015-2020	Eastern Mediterranean University (EMU)	Cyprus
Master	Applied Mathematics and Computer Science	2012-2014	Eastern Mediterranean University (EMU)	Cyprus
Bachelor	Computer Science	2005-2009	Jordan University of Science & Technology (JUST)	Jordan
High school	Scientific Branch	2004-2005	مدرسة إربد الثانوية الشاملة للبنين	Irbid-Jordan

دائرة الموارد البشرية  
Human Resources Department

**TEACHING EXPERIENCE**

Duration	Rank	Institution	Department/Faculty	Country
2024-Now	Assistant Professor	Amman Arab University (AAU)	Computer Science	Jordan
2020-2024	Assistant Professor	Irbid National University (INU)	Computer Science	Jordan
First (Fall)-2020	Lecturer	Jadara University	Computer Science	Jordan
First (Fall)-2020	Lecturer	Irbid National University (INU)	Computer Science	Jordan
2015-2020	Teacher Assistant	Eastern Mediterranean University (EMU)	Computer Science	Cyprus

**OTHER EXPERIENCE**

Duration	Rank	Institution	Department/Faculty	Country
2018-2023	Expert	Integrated United Professionals (IUPconsult)	Non-verification Consultant (Statistician) for Independent Verification Agency (IVA) Services of (Contract No. JO-MOE-67039-CS-QCBS) to the Education Reform Support Program-for-Results (PforR). (8 DLIs, 21 DLRs)	Jordan
2018-2021	Expert	Integrated United Professionals (IUPconsult)	Data Collection and Analysis for Technical Audit of the BRT	Jordan

دائرة الموارد البشرية  
**Human Resources Department**

2013-2018	Providing ICT services (partner and expert)	Different retail establishments in Cyprus for both Hardware and software	IT Department	Cyprus-Turkey
2010-2013	ICT expert	Chamber of Commerce	IT Department	Irbid-Jordan

**PUBLICATIONS**

**JOURNALS**

Author/s (In Order)	Title	Journal	Vol./No.	Publication Date
Alqura'n, R., AlJamal, M., Al-Aiash, I., Alsarhan, A., <b>Khassawneh, B.</b> , Aljaidi, M., Alanazi, R.;	"Advancing XSS Detection in IoT over 5G: A Cutting-Edge Artificial Neural Network Approach";	<i>IoT</i> ; 5(3), 478-508;	2024;	<a href="https://www.mdpi.com/2624-831X/5/3/22">https://www.mdpi.com/2624-831X/5/3/22</a>
Ahmed, F.Y.H., Masli, A.A., <b>Khassawneh, B.</b> , Yousif, J.H., Zebari, D.A.;	"Optimized Downlink Scheduling over LTE Network Based on Artificial Neural Network";	<i>Computers</i> ; 12(9), 179;	2023;	<a href="https://doi.org/10.3390/computers12090179">https://doi.org/10.3390/computers12090179</a>
<b>Khassawneh, B.</b> , Nagy, B.;	"POLYNOMIAL AND MULTINOMIAL COEFFICIENTS IN TERMS OF NUMBER OF SHORTEST PATHS";	<i>Comptes Rendus de L'Academie Bulgare des Sciences</i> ; 75(4), pp. 495-503;	2022;	<a href="https://doi.org/10.7546/CRABS.2022.04.03">https://doi.org/10.7546/CRABS.2022.04.03</a>
Alzboon, L., <b>Khassawneh, B.</b> , Nagy, B.;	"Counting the number of shortest chamfer paths in the square grid";	<i>Acta Polytechnica Hungarica</i> ; 17(4), pp. 67-87;	2020;	<a href="https://doi.org/10.12700/APH.17.4.2020.4.4">https://doi.org/10.12700/APH.17.4.2020.4.4</a>
Nagy, B., <b>Khassawneh, B.</b> ;	"On the number of shortest weighted paths in a triangular grid";	<i>Mathematics</i> ; 8(1), 118;	2020;	<a href="https://doi.org/10.3390/math8010118">https://doi.org/10.3390/math8010118</a>



## WORKSHOPS ATTENDED

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## WORKSHOPS OFFERED

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## RESEARCH INTERESTS

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My research interests lie in the areas of **graph theory**, **digital geometry**, **image processing**, and **computer science**, with a particular focus on the intersection of theoretical foundations and practical applications. In **graph theory**, I explore mathematical models to solve complex problems, such as computing shortest paths and weighted paths in grids, which has implications for network optimization and algorithm design. My work in **digital geometry** examines the properties of geometric structures and their computational aspects, which are key to advancements in **image processing** techniques. Additionally, my interest in **artificial neural networks** and their applications to **IoT security** and **5G communication** highlights the practical side of my research, where I aim to enhance cybersecurity and optimize network performance through cutting-edge AI approaches; this multidisciplinary approach drives my goal of contributing to advancements in both theory and practical implementations in the ever-evolving field of computer science.

## LANGUAGES

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**Arabic:** Native

**English:** Fluent

**Turkish:** Good

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**OTHER COMMUNITY ACTIVITIES**

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**AWARDS RECEIVED**

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**GRADUATE STUDENTS SUPERVISION**

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Student Name

Thesis Title

**REFERENCES**

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To be assigned when required.