

PERSONAL INFORMATION

Hadi A. Hamad



 Ibn Rushd Str, Nablus, Palestine.

 0598-278326

 hadihamad@najah.edu

Sex Male | Date of birth 1970 | Nationality Palestinian

WORK EXPERIENCE

2008-2011 An-Najah National Univ. Nablus, Palestine.
2015 -2021 www.najah.edu

2016-2020 The head of the math Dep.
The coordinator of the master programme in the math Dep.

1994-2007 Business Sector: The head of 'PAFM' educational center,
PAFM is a private training center, concerned with computer and business courses for students and nonstudents. In addition to statistical analysis using SPSS.

EDUCATION AND TRAINING

2012 - 2014 **Università degli Studi di Palermo - Italy**
PhD student in Mathematics and Computer Science Department, under the supervision of Professor Domenico Tegolo. My work concerns: Medical Image Processing, with the focus on the problem of retina segmentation and classification of vessels into arteries and veins and still working on these issues.

2002 – 2007 **An-Najah National University - Palestine**
M.sc. in 'Computational Mathematics', with accumulative average 85.7 (very good). The title of the thesis was 'Analysis of the Logistic Use in the Suppression Technique for Scalability in Multicast Routing' under the supervision of Dr. Mohamad Najib.

1989 – 1993 **Middle East Technical University – Turkey**
B.sc in Electrical and Electronic Engineering.

1988 - 1989 **Qadri Tuqan Secondary School – Palestine**
Scientific stream.

PERSONAL SKILLS

Mother tongue Arabic

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	

English	C1	C1	B2	B2	B2
TOEFL, IPT score: 80, year 2011					
Hebrew	A2	A2	A1	A1	A2
Turkish	A2	A2	A1	A1	A1
Italian	A2	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills Very good experience in communication with others through my learning from others and teaching different types of students; from math to computer in addition to business during my work.

Organisational / managerial skills The Head of Math Department and the coordinator of the Master program in the department for a period of four years.

General manager of the PAFM company.
The team was about six members, from different branches, and I was in need to know in some details the material content of the courses to maintain quality control which was one of our targets.

Job-related skills I taught on an interactive white board 'General Mathematics for Economics and Management' course, It was as part of an online teaching project at An-Najah University website (2009), this experience enhanced and shaped the current abilities in e-learning these days.

Computer skills Since I started my work, in PAFM, we were pioneers in computer hardware, and software in Palestine. Part of my knowledge in computer science:

- V. good command of Microsoft Office™ tools.
- Matlab
- SPSS
- Photo Shop
- Corel Draw
- Visual Basic
- PHP

Other skills Graphics design. Since I acted as an editor in typing several books in Arabic and English languages about different subjects, this added to my knowledge in organizing and the way books are structured, and also improved my computer skills in this field.

Driving licence **B**

ADDITIONAL INFORMATION

- Publications** Adarbeh, K., Hamad, H., & Eshtaya, A. (2024). Korselt numbers through computational algorithms. An-Najah University Journal for Research - A (Natural Sciences), 38(2).
<https://doi.org/10.35552/anjra.38.2.2165>
- M Yasin, H Hamad, F Aqel, Y Jaafra. Radial basis functions for solving Volterra integral equations. Int J Stat Appl Math 2023;8(5):25-30.
- H. Hamad*, T. Dwickat, D. Tegolo, C. Valenti, Exudates as Landmarks Identified through FCM Clustering in Retinal Images, Applied Sciences 11 (1), 142, 2020.
- Tahreer Dwickat & Hadi Hamad, Detecting diabetic retinopathy exudates in fundus images using fuzzy c-means (FCM). An - Najah Univ. J. Res. (N. Sc.) Vol. 35(1), 2021.
- L. Di Rosa, H. Hamad, D. Tegolo and C. Valenti, "Unsupervised recognition of retinal vascular junction points," 2014 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Chicago, IL, 2014, pp. 150-153.
doi: 10.1109/EMBC.2014.6943551
- Brain tumor region segmentation using local co-occurrence features and conditional random fields
S Manivannan, H Shen, W Li, R Annunziata, H. Hamad, R Wang, J Zhang, MICCAI–Brain Tumour Digital Pathology Segmentation Challenge, 2014.
- HADI HAMAD, DOMENICO TEGOLO AND CESARE VALENTI, AUTOMATIC DETECTION AND CLASSIFICATION OF RETINAL VASCULAR LANDMARKS, Image Anal Stereol, 2014; 33:189-200.
- Author of 'Mathematics for Business and Management', Dar Al-Farouq Publishing Store Book, Nablus, Palestine, 2020.
- Conferences** Author of 'Differential Equations & Linear Algebra with Modeling Applications', Dar Al-Farouq Publishing Store Book, Nablus, Palestine, 2011.
- Presentations** Author of 'Mathematics for Economics & Management', Dar Al-Farouq Publishing Store Book, Nablus, Palestine, 2010 (in Arabic).
- Analysis of The Logistic Distribution Use in The Suppression Technique for Scalability in Multicast Routing. Master Thesis, 2007.
- Detecting Blood Vessels in Retinal Images, Third Palestinian Conference on Modern Trends in Mathematics and Physics, PCMTMP-III, Polytechnic University, Hebron, Palestine, 16-18 July 2012.
- Tahreer Dwickat and Hadi Hamad. Unsupervised Diabetic Retinopathy Exudates Segmentation Using Fuzzy C-means (FCM) Clustering. PCMTMP-VI, Palestine Technical University-Kadoori, 2018. (presentation).
- Honours and awards**
- Polynomial Identities and Asymptotic Methods, PhD course.
Information Theory and Coding, PhD course.
Fuzzy Logic & Matlab, M.sc. course.
Eigenvalues, Vectors & Inverses in special Matrices in Graph Theory, M.sc. course.
Branch & Bound Methods, M.sc. course.
- Awarded a certificate for being: 'The Model Instructor', An-Najah Univ, 2009-2010
 - An awarded certificate for participating in a workshop entitled: How to evaluate your scientific work. 2012.

Scientific Activities

- A member of a selected team representing An-Najah University as a cooperation program with Erasmus to improve technical teaching and learning skills for large enrolment courses. Cork, Ireland, 2018.
- Being a supervisor of 5 master students and an examiner to many other master students.
- Teaching undergraduate courses such as: Calculus, differential equations, partial differential equation, engineering mathematics, linear programming, mathematics and computer, mathematics for business, scientific research course.
- Teaching Master course: Advanced Linear Programming.

ANNEXES

My two published books



