Curriculum Vitae

Personal Information

Name	Abdel-Razzak Al-Hinnawi
Academic Rank	Full Prof.
Nationality	SYRIA
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Research gate	https://www.researchgate.net/profile/Abdel-Razzak_Al-Hinnawi
Google scholar	https://scholar.google.com/citations?user=aCB0d5kAAAAJ&hl=ar

Academic Qualification

Degree	Major	Awarding University	Duration		Country
			From	Year of Awarding	
Ph.D.	Medical Image Processing	Aberdeen	1995	1999	UK
M.Sc.	Medical Imaging Sciences	Aberdeen	1994	1995	Uk
B.Sc.	Biomedical Engineering	Damascus	1986	1991	Syria

Academic Experience

Duration (Years)	University	Position	Main Duties
1999-2004	Damascus, Syria	Assistant Prof	Academic Teaching and Research
2004-2013	Damascus, Syria	Associate Prof.	Academic Teaching and Research
2004-2006	Amman Al-Ahliyah University, Jordan	Associate Prof.	Academic Teaching and Research

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2013-2019	Hashemite University, Jordan	Lecturer Full-Time	Academic Teaching and Research
2020-2024	Isra University, Jordan	Associate Prof.	Academic Teaching and Research
2024-now	Isra University, Jordan	Full Prof.	Academic Teaching and Research

Professional Experience

Duration (Years)	Institution	Job title	Main duties
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Training Courses

Course	Organizer	Date	Participant/	language
Electronic Distance Learning using MOODLE technology	**Amman Al-Ahliyah University Jordan**	**2006**	**Participant**	**English**
Design and Development of Electronic Academic Courses –Demorgan University, UK	**Kalamoon University Syria**	**2006**	**Participant**	**English**
Digital Image Processing (Application & Architecture)	**Balamond University, Lebanon**	**2003**	**Participant**	**English**
Basic Web Technology Skills For Courseware Development	**Higher I**	**2000**	**Participant**	**English**

Publications

Paper title	Journal	ISSN	Vol.	Year	Country
Foundation of graph-based biomarkers from OCTA B-scan	Optics Continuum	2770-0208	5(5)	2026	USA
A novel stretched-compressed exponential low-pass filter and its application to electrocardiogram signal denoising	International Journal of Electrical & Computer Engineering	2088-8708 e-ISSN 2722-2578	16(1)	2026	

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Automated Lung Cancer Diagnosis Applying Butterworth Filtering, Bi-Level Feature Extraction, and Sparce Convolutional Neural Network to Luna 16 CT Images.	Journal of Imaging	online ISSN: 2313-433X MDPI	10	2024	Switzerland
Perspectives of artificial intelligence in radiology in Jordan: CROSS-SECTIONAL study by radiologists and residents' sides	Informatics in Medicine Unlocked	Online ISSN: 2352-9148 ELSEVIER	49	2024	UK
Innovative Macula Capillaries Plexuses Visualization with OCTA B-Scan Graph Representation: Transforming OCTA B-Scan into OCTA Graph Representation.	Journal of Multidisciplinary Healthcare	Online ISSN: 1178-2390 DOVE Press Taylor and Francis Press	16	2023	New Zealand
Reconstruction and Visualization of 5µm Sectional Coronal Views for Macula Vasculature in OptoVue OCTA	IEEE Access	2169-3536 IEEE	11, pp. 28280-28293	2023	USA
Assessment of Multi-Layer Perceptron Neural Network for Pulmonary Function Test's Diagnosis Using ATS and ERS Respiratory Standard Parameters.	Computers	EISSN 2073-431X MDPI	11(9):130	2022	Switzerland
An Energy-Autonomous Smart Shirt Employing Wearable Sensors for Users' Safety and Protection in Hazardous Workplaces	Applied Sciences	EISSN 2076-3417	12(6):2926	2022	سويس ار
Assessment of Dual-Tree Complex Wavelet Transform to Improve SNR in Collaboration with Neuro-Fuzzy System for Heart-Sound Identification	Electronics MDPI Press	EISSN 2076-3417	11(6), 938	2022	Switzerland
A Prototype of an Electronic Pegboard Test to Measure Hand-Time Dexterity with Impaired Hand functionality.	Applied System Innovation MDPI Press	2571-5577 MDPI Press	Vol. 5, 2.	2022	Switzerland

A New Prototype of Smart Wearable Monitoring System Solution for Alzheimer's Patients.	Med Devices: Evidence and Research DOVE Press	1179-1470 DOVE Press	**14**	2021	New Zealand
A Framework Classification of Heart Sound Signals in PhysioNet Challenge 2016 Using High Order Statistics and Adaptive Neuro-Fuzzy Inference System	IEEE Access	2169-3536 IEEE	**8**	2020	USA
New computerized volume measurement method for optic nerve head (ONH) region comparison with measurements by Heidelberg SPECTRALIS optical coherence tomography	Informatics in *Medicine* Unlock	2352-9148 ELSEVIER	**20**	2020	UK
Three-dimensional surface presentation of optic nerve head from SPECTRALIS OCT images: observing glaucoma patients	*International Ophthalmology*	1573-2630 SPRINGER	**39**	2019	Europe
Collaboration between interactive three-dimensional visualization and computer aided detection of pulmonary embolism on computed tomography pulmonary angiography views	Radiological Physics and Technology	1865-0333 1865-0341 SPRINGER	**11**	2018	Japan
Optic Nerve Head Slope-Based Quantitative Parameters for Identifying Open-Angle Glaucoma on SPECTRALIS OCT Images	*International Ophthalmology*	1573-2630 SPRINGER	**37**	2017	Europe
Toward Incorporating the Infant Weight Into Incubator's Automatic Temperature Control.	*J. Med. Devices*	1932-6181 ASME	**10**	2016	USA
Assessment of Bilateral filter on low NEX Open MRI views	*Signal Image and Video Processing*	1863-1711 SPRINGER	**9**	2015	Europe

Assessment of Bilateral filter on ½ dose Chest-Pelvis CT Views	Radiological Physics and Technology	1865-0333 1865-0341 SPRINGER	**6**	2013	Japan
3-D Fetus Image Reconstruction from 2-D Ultrasound Imaging Device. Damascus University Journal for Engineering Sciences	Damascus University – Engineering	---	**28**	**2012**	Syria
Image Texture Descriptors to Quantify Bilateral Filter on Low Dose Computerized Tomography	International Journal for Signal Processing, Image Processing and Pattern Recognition	20054254	**5**	**2012**	Australia
Computer Aided Measurements to Discern Malignant from Benign Micro-Calcifications within Digital Mammograms	Damascus University - Engineering	---	**20**	**2004**	Syria
Standard Statistical Methods for the Evaluation of Radiologist's Performance on Radiological Images	Journal of Arabic Board for Medical Specialists	---	**6**	**2004**	Egypt
Design of Computer Aided Algorithm for the detection of Clustered Micro-Calcifications within digitised Mammograms	Damascus University - Engineering	---	**19**	**2003**	Syria
Computer-Human Interface Solutions for Emergency Medical Care. (Translation to Arabic)	Syrian Scientific Informatics Association (Informatics	---	**9**	**2000**	Syria

Books

Book Title	Publisher	Country	Edition	Year
e-Chapter : Computer-Aided Detection, Pulmonary Embolism, Computerized Tomography Pulmonary Angiography: Current Status	intechopen	Europe	DOI: 10.5772/intechopen.79339	2019

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Conferences

Scope	Name	Organizer	Date	Country	Participation (attendance – participate)	Peer-Reviewed (Yes /No)
International Medical Informatics and Biomedical Engineering	Current State of PET/CT Medical Imaging Scanner	Yarmouk University. The first Jordanian European Symposium. IMIBE'06	2006	Jordan	participate	No
Proc. 4TH International Workshop on Digital Mammography	The auto-detection of cluster micro-calcifications in digital mammograms using texture energy	Nijmegen University	1998	Nijmegen NETHERLAND	participate	Yes
IEE Image Processing and its Applications	The use of Image Texture Analysis in the Detection of Micro-Calcifications within the Mammogram	Dublin University	1997	Dublin IRLAND	participate	Yes

Research Interests

Digital Image Processing – Application on Medical Images

I. Auto detection and diagnosis of Diseases
II. 3D Visualization of Diseases

2. Medical Imaging Techniques
3. Biomedical Engineering / Medical Devices
4. AI applications

Professional Memberships

Academic Editor at PLOS One Publisher
Jordan Society for Scientific Research, Entrepreneurship and Creativity

Languages

1. Arabic
2. English

Postgraduate Supervision

Title	supervisee
The use of Bilateral Filter on medical images	Mohammad Daeer
The use of Neural Network to diagnose Respiratory diseases	Ahmad al-Mazloum

Honors/Awards
