

Curriculum Vitae Template

Personal Information

Name	Mohammad Ahmad Imheidat
Academic Rank	Associate professor
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Academic Qualification

Degree	Major	Awarding University	Duration		Country
			From	Year of Awarding	
PhD, M.Sc	Electro Optics	Physics, University of Athens	1983	1988	Greece
M.Sc	CIS	The Arab Academy for Banking and Financial Sciences	2004	2005	Jordan
High Diploma	CIS	The Arab Academy for Banking and Financial Sciences	2003	2004	Jordan
BSc	Physics	Al Yarmouk University	1976	1980	Jordan



Academic Experience			
Duration (Years)	University	Position	Main Duties
2019-now 2012-2017, 1991-2008	Al-Isra University	Assistant Professor	Teaching and research
1989-1991	Al Huson College	Assistant Professor	teaching
1988-1989	University of Science and Technology	Assistant Professor	teaching
1980-1983	Al-Shouna Secondary School	teacher	teaching

Professional Experience

Duration (Years)	Institution	Job title	Main duties
2019-2021	Al-Isra University	Head of Physics & Math department	Administrative work
2015-2017, 2005-2006 1999-2003	Al-Isra University	Head of Basic Science department	Administrative work

Training Courses

Course	Organizer	Date	Participant/ instructor	language
SESAME	SESAME Jordanian National Committee	January 2020	Participant	English
How to qualify for ABET accreditation and re-accreditation	Association of Arab Universities- AArU	19-21 November 2019	Participant	English
Moodle for teachers (M4T)- Field training on the Moodle LMS	IU	-2016/2/20 2016/3/10	Participant	English
Relational Unified Process Concepts and Tools'	Method Building Capacity	20/9/2005- 22/9/2005	Participant	English

Publications

Paper title	Journal	ISSN	Vol. Issue	Year	Country
Influence of heavy metal oxides to the mechanical and radiation shielding properties of borate and silica glass system	Journal of Materials Research and Technology	22387854	11, 1322-1330	2021	Brazil
Optical and radiation shielding features for a new series of borate glass samples	Optik	0030-4026	239,166790	2021	Germany
Structural, optical, and radiation shielding features for a series of borate glassy system modified by molybdenum oxide	European Physical Journal Plus	21905444	136, 583	2021	United states
Structural and Radiation Shielding Features for BaSn _{1-x} Zn _x O ₃ Perovskite	Physica B: Physics of Condensed Matter	09214526	638,413925	2022	Netherlands
Radiation shielding, mechanical, optical, and structural properties for tellurite glass samples	Optik	0030-4026	268, 169774	2022	Germany
Correlation between mechanical, gamma shielding features and tellurium oxide concentrations in molybdenum aluminum strontium borate glass	Optik	0030-4026	272, 170336	2022	Germany
Enhancement of Borosilicate Glass Radiation Shielding Properties: Impacts of PbO Substitution for SiO ₂	Silicon	1876990X, 18769918	16, 2, 1377–1386	2024	Netherlands



Physical and radiation shielding properties for borate, boro-tellurite, and tellurite glass system modified with different modifiers: Comparative study	Optical Material	1873-1252, 0925-3467	147, 114558	2023	Netherlands
The influence of MgO on the physical, structural, mechanical optical, and radiation absorption properties of the boro-germanate glass system	Ceramics International	0272-8842, 1873-3956	50, 18 Pages 33618-33629	2024	United Kingdom
Physical and radiation shielding properties for borate, boro-tellurite, and tellurite glass system modified with different modifiers: Comparative study	Optical Material	1873-1252, 0925-3467	147, 114558	2024	Netherlands
Effect of different metal oxides on the Radiation shielding features of borate glasses	Radiation Physics and Chemistry	0969-806X, 1879-0895	220, 111720	2024	United Kingdom
The Frequency-Doubling Electro-Optic Modulation Method for Kerr-Effect Measurements: Application in Nitrobenzene	Optical and Quantum Electronics	,03068919 1572817X	21	1989	United States

Books

Book Title	Publisher	Country	Edition	Year



Conference

Scope	Name	Organizer	Date	Country	Participation (attendance –	Peer– Reviewed
4th International Forum on Advances in Radiation Physics (IFARP-4)	Experimental investigation on the radiation attenuation characteristics of BaO-SrO-TeO ₂ -MoO ₃ glass system	King Saud University, Riyadh, Saudi Arabia	2022	Saudi Arabia	Participant	Yes
AICCSA	A Heuristic Genetic Algorithm for the Single Source Shortest Path Problem	IEEE	2007	Jordan	Participant	Yes
The 6 International Conference on Applied Physics and Materials Applications ICAPMA-2023	Effect of different heavy metal oxides on the Radiation shielding features of borate glasses	i-STEM	2023	Thailand	Participant	Yes

Research Interests

Optics-Laser-Nuclear radiation

Professional Memberships

Languages

Arabic-English-Greek