Staff Member Name

Email: sqashou@zu.edu.jo

General Major: Physics/ Specialization: Solid State Physics

Academic Rank: Professor

Membership:

Qualifications:

1.	PhD in Physics	2008	University of Jordan
2.	M.Sc. in Physics	1996	University of Jordan
3.	B.Sc. in Physics	1990	University of Jordan

Professional Objective(s):

Teaching Experience:

#	From	to	
1	2009	2013	Assistance Professor /Zarqa University
2	2013	2017	Assistance Professor /Tabuk University
3	2017	2018	Associated Professor /Tabuk University
4	2018	2024	Associated Professor /Zarqa University
5	2024	Up to now	Full Professor / Zarqa University

Publications:

#	Title	Publisher	Year/ Issue (Vol/No)
.1	Pressure-dependent optoelectronic properties of $TlInS_2$ crystals (II): Insights from DFT simulations	*Physica B: Condensed Matter*	2024 Vol.695
.2	Impact of gamma irradiation on optical and nonlinear properties of Indium chloride phthalocyanine thin films	Physica Scripta	2024 Vol.99
.3	Optical and electronic properties of MgPc-Ch-diisoQ blend organic thin film as an active layer for photovoltaic cells	Plos One	2024 Vol.19
.4	Effect of film thickness on structural, electrical and optical properties of amorphous boron subphthalocyanine chloride thin film	Optical Materials	2023 Vol. 138
.5	Fabrication and Description of Amorphous $Ge_{33}Se_{47}Sn_{20}$ Films for Optical Applications	Journal of Electronic Materials	2023 Vol. 52
.6	Temperature dependency of electronic and optoelectronic performance of 2,4-	Physica B: Condensed Matter	2023 Vol.666

	Bis[4-(N,N-dibenzylamino)-2,6-dihydroxyphenyl]squaraine/n-Si organic/inorganic heterojunction for photovoltaic application		
.7	Zinc-bis-8-hydroxyquinoline doped by biochar extracted from red sea algae Chlorophyta as a novel photoactive layer in heterojunction solar cells	***Alexandria Engineering Journal***	2023 Vol.78
.8	Preparation and optoelectronic performance of 2, 7, 12, 17-tetra-tert-butyl-5, 10, 15, 20-tetraaza-21H, 23H-porphine-CuS films for photovoltaic applications	***Dyes and Pigments***	2023 Vol. 218
.9	Morphology, structural properties, impedance spectroscopy, AC conductivity, and dielectric relaxation properties of boron subphthalocyanine chloride amorphous films	***Physica Scripta***	2023 Vol. 98
.10	Dielectric relaxation properties, and AC conductivity of Erbium(III)-Tris(8-hydroxyquinolinato) nanostructured films	Physica B: Condensed Matter	2023 Vol. 694
.11	Effectiveness of Annealing on the Structural, Electrical, and Optical Properties of Erbium (III)-tris (8-hydroxyquinolinato) Films for Possible ,Use in OLEDs	Journal of Inorganic and Organometallic Polymers and Materials	2022 Vol. 22
.12	Electrical and photoelectrical properties of a vacuum-deposited MnClPc/n-Si heterojunction for photodiode application	Micro and Nanostructures	2022 Vol. 167
.13	Preparation of TlInSe2 thin films using substrate temperature: Characterization, optical and electrical properties	Optical Materials	2022 Vol.129
.14	Preparation and characterizations of Erbium (III)-Tris (8 hydroxyquinolinato) nanostructured	Sensors & Actuators: A. Physical	2022 Vol. 340

	films for possible use in gas sensor		
.15	Effect of UV irradiation on the linear and nonlinear optical properties of Erbium (III)-Tris (8-hydroxyquinolinato) thin films: optoelectronic performance	Phys. Scr	2022 Vol. 97
.16	Tailoring the structural, electrical, and optical features of Erbium (III)-Tris (8-hydroxyquinolinato) nanostructured films for optical applications: effect of film thickness	Journal of Materials Science: Materials in Electronics	2022 Vol.33
.17	Studying the surface morphology, linear and nonlinear optical properties of manganese (III) phthalocyanine chloride/FTO films	Physica B: Condensed Matter	2022 Vol. 622
.18	Linear and nonlinear optical investigations of Ge25Se75 thin films at different annealing temperatures	Physica B	2022 Vol. 625
.19	Nanostructure film of Ch-diisoQ/Si for the enhancement of photoelectrical performance of organic/inorganic cells	Physica B: Condensed Matter	2021 Vol.618
.20	Thickness film effect on charge transport in nanostructure indeno [1, 2-b] fluorene-6, 12 dione	Synthetic Metals	2021 Vol. 276
.21	Phase, AC conductivity and dielectric properties of Indeno [1, 2-b] flourene-6, 12 dione thin film as a function of frequency and temperature	Physica Scripta	2021 Vol. 96
.22	Electronic and optoelectronic performance of nano-Vanadyl 2, 3-naphthalocyanine/n-Si (organic/inorganic) solar cells: Temperature dependence ,	journal of thin solid films	2020 Vol. 704
.23	Dielectric Properties and AC Conductivity of Organic Films of Copper (II) 2, 9, 16, 23-Tetra-tert-butyl-29 H, 31 H-phthalocyanine	Journal of Electronic Materials	2020 Vol. 49

.24	Thermally evaporated of homogeneous nanostructured gallium-phthalocyanine-chloride films: Optical spectroscopy	Optical Materials	2022 Vol. 109
.25	Dielectric Properties and AC Conductivity of Organic Films of Copper(II) 2,9,16,23-Tetra-tert-butyl-29H,31Hphthalocyanine	Journal of Electronic Materials	2019 Vol. 49
.26	Film thickness effects on nanorods organic films of azo quinoline derivatives for optical	Progress in Natural Science: Materials Internationa	2019 Vol. 29
.27	Methylsilicon phthalocyanine hydroxide doped PVA films for optoelectronicapplications: FTIR spectroscopy, electrical conductivity, linear and nonlinear optical studies	Physica B: Condensed Matter	2019 Vol. 571
.28	Methylsilicon phthalocyanine hydroxide doped PVA films for optoelectronicapplications: FTIR spectroscopy, electrical conductivity, linear and nonlinear optical studies	Physica B: Condensed Matter	2019 Vol. 571
.29	The effect of planar atomic configuration in the enhancement of AC conductivity and dielectric characterization of bisbenzimidazo[2,1-a:2′,1′-a′]anthra[2,1,9-def:6,5,10-d′e′f′] diisoquinoline-10,21-dione7 (BI-diisoQ) thin film	Journal of Materials Science: Materials in Electronics	2019 Vol.30
.30	Structural, optical and dielectric properties of n-type organic N,N′-dimethyl-3,4,9,10-perylenedicarboximide thin films: effects of annealing	Mater. Res. Express	2019 Vol. 6
.31	Structural, surface topography and optical investigations of nanostructure	Journal of applied	2019 Vol.125

	films of copper (II) 2,9,16,23-teter-tert-butyl-29H,31H-phthalocyanine controlled at thermal effect	physics A	
.32	The promotion of Indeno [1, 2-b] flourene-6, 12 dione thin film to be changed into stable aromatic compound under the effect of annealing treatment	Vacuum	2019 Vol. 162
.33	Investigation of structural and electrical properties of 2,9-Bis [2-(4-2chlorophenyl)ethyl] anthrax [2,1,9-def:6,5,10-d′e′f′] diisoquinoline-1,3,8,10 (2H,9H) tetrone (Ch-diisoQ) nanostructured films for photoelectronic applications	Physica B: Condensed Matter 558	2019 Vol. 558
.34	Structural, optical, electrical and dielectric properties of PVA-YCl3 films,	Surface Review and Letters	2019 Vol. 26
.35	Nanorod films of bisbenzimidazo[2,1-a:2′,1′-a′]anthra[2,1,9-def:6,5,10-d′e′f′]diisoquinoline-10,21-dione7 (BIdiisoQ) for highly optoelectronic devices	Journal of Materials Science: Materials in Electronics	2018 Vol. 29
.36	Effect of gamma radiation induced on structural, electrical, and optical properties of *N*, *N*′-Dimethyl-3,4,9,10 perylenedicarboximide nanostructure films	Journal of Electronic Materials	2019 Vol. 47
.37	Gamma radiation effect on physical properties of 2,9-Bis [2-(4-chlorophenyl)ethyl] anthrax [2,1,9-def:6,5,10-d′e′f′] diisoquinoline-1,3,8,10 (2H,9H) tetrone films	, Optik - International Journal for Light and Electron Optics	2018 Vol. 170
.38	Enhancement of microstructure and electrical conductivity of *N*,	Synthetic Metals	2018 Vol. 242

	N′-dimethyl-3,4,9,10-perylenedicarboximide nanostructured films by thermal annealing for photoelectronic applications		
.39	AC electrical conductivity and dielectric relaxation studies in n-type organic thin films of *N*,*N*′-Dimethyl-3,4,9,10-perylenedicarboximide (DMPDC)	Physica B 525	2017 Vol.525
.40	Thermal annealing effect on structural and optical properties of 2,9-Bis [2-(4-chlorophenyl)ethyl] anthrax [2,1,9-def:6,5,10-d0e0f0] diisoquinoline-1,3,8,10 (2H,9H) tetrone (Ch-diisoQ) thin films,	Opt Quant Electron	2017 Vol.
.41	Dielectric relaxation process and AC conductivity of 2,9- Bis [2-(4-chlorophenyl)ethyl] anthrax [2,1,9-def:6,5,10-d′ e′ f′] diisoquinoline-1,3,8,10 (2H,9H) tetron (Ch-diisoQ) thin films	J Mater Sci: Mater Electron	2017 Vol.28
.42	AC Conductivity and Dielectric Relaxation Behavior of Sb2S3 Bulk Material	Journal of ELECTRONIC MATERIALS	2016 Vol. 49
.43	MaghrabiInterfacial behavior of Myristic acid in mixtures with DMPC and Cholesterol	Chemical Physics	2017 Vol. 490
.44	Radiation shielding competence of newly developed TeO2-WO3 glasses	Journal of Alloys and Compounds 696	2017 Vol.696
.45	The dynamical behavior of Josephson tunneling particles attributed to the initial values of imbalance	Chinese Journal of Physics	2016 Vol. 54

.46	On the harmonic oscillator wavefunction modified to account for variation in the width of a trapped Bose gas	Physica B 426	2015 Vol. 426
.47	On the range of the static fluctuation approximation (SFA) in the description of 1D trapped Bose gas	Physica B 425	2013 Vol. 426
.48	Application of the static fluctuation approximation to the computation of the thermodynamic properties of an interacting trapped two-dimensional hard-sphere Bose gas	PHYSICAL REVIEW A 82	2010 Vol. 82
.49	Thermodynamic properties of an interacting hard-sphere Bose gas in a trap using the Static Fluctuation Approximation	International Journal of Modern Physics B	2019 Vol. 48

Books:

#	Book Title	Publisher	Year
.1			
.2			
.3			
.4			
.5			
.6			
.7			
.8			
.9			
.10			

Translated Books:

#	Book Title	Publisher	Year
.1			

.2			
.3			
.4			
.5			
.6			
.7			
.8			
.9			
.10			

Atricles:

#	Article Title	Publisher	Year
.1			
.2			
.3			
.4			
.5			
.6			
.7			
.8			
.9			
.10			

Conferences:

#	Paper Title	Organizing Institution	Conference
.1			
.2			
.3			
.4			
.5			

.6			
.7			
.8			
.9			
.10			

Supervision of Theses:

#	Year	University	Thesis Title	Student Name
.1				
.2				
.3				
.4				
.5				
.6				
.7				
.8				
.9				
.10				

Community Service Activities

#	Duartion	Activity
1		
2		
3		
4		
5		

Personal Information

Name	Dr. Saleem Ibrahim Yousef Qashou	
Place and Date of Birth		
Nationality	Jordanian	
Marital Status		
Address	Amman-Jubieha	
Work Tel No.		
Mobile:		
Postal Address		