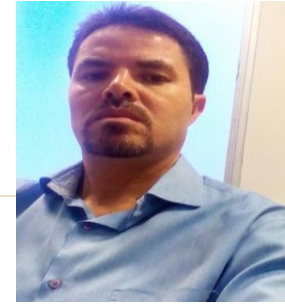




FULL NAME: Taher Hcine Ghrib

College of science of Dammam, Imam Abdulrahman Bin Faisal University, P.
O. 383, Dammam 31113, Saudi Arabia.

POSITION: Associate Professor



Personal Data

Nationality | Tunisian

Date of Birth | 03/07/1975

Department | Physics

Official UoD Email | thghrib@iau.edu.sa, ghribt@gmail.com

Office Phone No. | 00966564122933

Language Proficiency

Language	Read	Write	Speak
Arabic	Good	Good	Good (Mother tongue)
English	Good	Good	Good
French	Good	Good	Good

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
06/03/2017	HDR: Habilitation in physics (Associate Professor)	Tunisia	Faculty of science of Tunisia
18/03/2008	PhD: Doctor in physics	Tunisia	Faculty of science of Tunisia
15/09/2002	Aggregation in physics	Tunisia	IPEST of Tunisia
03/08/2001	Professor of secondary education in physics and chemistry	Tunisia	Faculty of science of Tunisia

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

HDR	Nanomaterials science and technology.
PhD	Investigation of the thermally treated steel by the Photothermal deflection technique.

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Associate professor	College of science of Dammam	Imam Abdulrahman Bin Faisal University	2017-Now
Assistant professor	College of science of Dammam	University of Dammam, Saudi Arabia	2012-2017
Assistant professor	University of computer Sousse	University of Sousse , Tunisia	2008-2012
Aggregated professor	Preparatory institute of engineering	University of Carthage, Tunisia	2001-2008



Scientific Achievements

- Number of published research papers: 92
- Number of citations: 1194
- H-index: 21

Published Books

BOOKS	
1	Taher Ghrib , <i>New tribological ways</i> , InTechOpen, ISBN 978-953-307-206-7, 2011. https://www.intechopen.com/books/new-tribological-ways
2	T. Ghrib , I. Gaied , N. Yacoubi , <i>Investigation of Thermal Properties of Steel Undergoing Heat Treatment by the Photothermal Deflection Technique: Correlation with Mechanical Properties</i> , Novapublication, March 2010. https://www.novapublishers.com/catalog/product_info.php?products_id=13060
3	Taher Ghrib , <i>porosity</i> , InTechOpen, ISBN: 978-1-78923-043-7, 2018. https://www.intechopen.com/books/porosity-process-technologies-and-applications

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	A. Brayek, B. Tlili, T. Ghrib , C. Nouveau,	Investigation of vanadium and nitride alloys thin layers deposited by PVD	EPJ., 29, 42 (2012).
2	T. Ghrib , M.S. Ben Kraïem, C. Bordel, N. Yacoubi and A. Cheikhrouhou.	Thermal resistance investigation of the giant magnetoresistance, thin layers by the PTD technique.	EPJ., 29, 41 (2012).
3	T. Ghrib , N. Yacoubi	Correlation between thermal and mechanical properties of hardened steel treated by nitriding process	J. Phys. D, IOP science 19-23, 2009

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Beneficiary institute	Funding source	Date
1	Taher Ghrib , Imen Almassoudi, Amal Alotiaibi, Faten Azzouz, Afif Fouzri, Ridha Hamdi, Khaled Elsayed, Tarek Kayed	Hybrid photovoltaic cells in multilayered thin films on various substrates	Basic and Applied Scientific Research Center (BASRC)	Imam Abdulrahman Bin Faisal University	2021
2	Filiz Ercan, Tahani Flemban, Taher Ghrib, Tarek Kayed	Investigation of the effects of Sr and Ni dopants on the structural and magnetic properties of hydroxyapatite bioceramics.	Basic and Applied Scientific Research Center (BASRC)	Imam Abdulrahman Bin Faisal University	2021
3	Norah Alonizan, Muna Alqahtani, Hassen Dakhlaoui, Taher Ghrib	The synthesis, microstructure, optical, electric and magnetic properties of ZnO/TiO ₂ nanocomposites.	College of science of Dammam	Imam Abdulrahman Bin Faisal University	2020
4	Taher Ghrib , Munirah Abdullah Almessiere, Amal Lafy Al-Otaibi	Surface and volume topography using photothermaldeflection technique	College of science of Dammam	University of Dammam	2015
5	Taher Ghrib , Amal Lafy Al-Otaibi, Munirah Abdullah Almessiere	Preparation of new nanoparticles based on ZnO and ZnO/ZnS (core/shell) using the	College of science of Dammam	University of Dammam	2014



		electrochemical deposition technique and its characterization with the photothermaldeflexion technique			
6	Taher Ghrif	Preparation of new nanoparticles based on ZnO and ZnO/ZnS using electrochemical deposition techniques	College of science of Dammam	University of Dammam	2013
7	Taher Ghrif , Radhouane Chtourou	National Center for Research in Materials Sciences Borj Cedria Technopol	Empowering Tunisian Renewable Energy Research Activities.	European Union.	2011
8	Taher Ghrif , Noureddine Yacoubi	Studied of multilayered structures by optical and thermal properties.	Preparatory Institute for Engineering Studies in Nabeul.	Nanostructure based devices for mid-IR applications group (nanoMIR). France.	2009

Current Researches

#	Research Title	Name of Investigator(s)
	Nanomaterials based perovskites, chalcogenides and granites	Taher Ghrif , Qasim Mahmood, Mohamed Abu Mhareb, Omar Saidi
1	Improvement of performance of solar cells based on perovskite compounds.	Taher Ghrif , Abubshait Asla AlZahrani
2	Manufacture and characterization of porous and nanoscale capacitors to produce and store electric energy	Taher Ghrif , Tahani Qahtani

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	Workshop on “constructing multiple choice, open-ended items for HOTS & Rubrics for Multiple Instructors” December 6 th 2016.	University of imam abdulrahman bin faisal	
	Workshop on “Teaching for creativity and innovation” November 19 th -20, 2014.	University of imam abdulrahman bin faisal	

Teaching Activities

Undergraduate			Graduate – Mater level		
#	Course/Rotation Title	No./Code		Course/Rotation Title	No./Code
1	Electromagnetism Theory	4220/PHYS 304N	1	Advanced Quantum mechanics	PHYS-660
2	Material and heat transfer	3807/PHYS 104O	2	Nano-sciences and technique of nanomaterial preparation	PHYS- 626
3	General physics	3859/PHYS 201N	3	Statistical Quantum	PHYS-659
4	Modern Physics	3912/ PHYS 204N	4	Vacuum and Thin Film Technology	PHYS-620
5	Quantum mechanics	1152/ PHYS 310N	5	Thin Film Science	PHYS-612
6	Solid states	5049/PHYS 411O	6	Photovoltaic materials	PHYS 634-1
7	Nuclear physics	6228/ PHYS 404N			
8	Statistical Physics	1073/ PHYS 405N			
9	Optics	10027/ PHYS 203N			
10	Electronics	3780/ PHYS 307N			



Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Master in physics	Experimental and Theoretical Investigation of Double Perovskite Ba ₂ TiMoO ₆ for Energy Harvesting Applications	Imam Abdulrahman Bin Faisal University	2020-2021
2	Master in physics	Study of resonant Tunnelling Structural, optical, and electrical properties of AlGaAs/GaAs and ZnO/Zn _{1-x} Mg _x O heterostructures for optoelectronic applications	Imam Abdulrahman Bin Faisal University	2019-2020
3	Master in physics	investigation and improvement of photovoltaic cells based Zn doped Molybdenum oxide on Porous silicon substrates	Imam Abdulrahman Bin Faisal University	2018-2019
4	Master in physics	Study of SnO ₂ doped TiO ₂ thin films deposited on porous silicon substrates	Imam Abdulrahman Bin Faisal University	2018-2019
5	Master in physics	Improvement of performance of solar cells based on perovskite compounds.	College of science of Dammam- Saudi Arabia	2016-2018
6	Master in physics	Study of metallic and semiconductor materials by the photothermal deflection technique	Lanser Laboratory, CRTEn, Technopole of Borj Cedria. Hammam-Lif, Tunisia	2011-2012

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
1	PhD	Photothermal, photoluminescence and Electrical investigation of photodetectors based on GaAs/AlGaAs multi-quantum wells	Imam Abdulrahman Bin Faisal University	2021-2023
2	PhD	Photothermal, photoluminescence, volume and surface imaging of porous and multilayered graphene investigation with analytical and numerical modeling.	Imam Abdulrahman Bin Faisal University	2021-2023
3	PhD	Manufacture and characterization of heterojunctions based NiO, MnO ₂ thin films deposited on Nickel Foam coated graphene for optoelectronic applications	Imam Abdulrahman Bin Faisal University	2022-2023

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Nanomaterials' science and technology
2	Photothermal deflection technique
3	Photovoltaic cells
4	New tribological ways
5	Porosity

Last Update

27/11/2023