Amal L. Al-Otaibi.

POSITION

Dean of College of Science – Imam Abdulrahman Bin Faisal University

Personal Data

Nationality | Saudi.

Department | Physics.

Official UoD Email | amalotiaibi@iau.edu.sa.

Office Phone No. |013-33 33021

Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓
Others			

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2008	PHD	King Faisal University	Al-khobar, Saudia Arabia
2000	Master	Girls College Of science in Dammam	Dammam, Saudia Arabia
1993	Bachelor	Girls College Of science in Dammam	Dammam, Saudia Arabia

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

PhD	Preparation and Study of the Electrical and Microstructural Properties of Zinc Oxide Thin Films.
Master	X-Ray Photoelectron Spectroscopy Study of the Oxidation of Germanium Single Crystal Surface.
Fellowship	

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Associate Professor	Physics Department	College Of Science, Imam Abdulrahman Bin Faisal University	Dammam, Saudia Arabia	2021
Assistant Professor	Physics Department	College Of Science, University of Dammam		2008
Lecturer	Physics Department	Science collage		2000
Teaching Assistant	Physics Department	Science collage		1993

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Basic and Applied Scientific Research Center Director		2021-
Dean of College of Science	Dean Office	2019-
Member of the Central and Applied Scientific Research Council	BASRC	2020-2021
Vice Dean Of Academic Affairs	Academic Affairs	2016-2019
Member of Institute for Research and Medical consultation committee.	Institute for Research and Medical consultation.	2015-2017
Member Adviser of the Council of the Faculty of Science.	Science College.	2013-2016
Head of Academic Program Development Unit.	Science College.	2015-
Head of Table Unit.	Science College.	2011-2013

Scientific Achievements

Published Refereed Scientific Researches

	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	N.A Tabet, M.A Salima, **A.L Al-Oteibi**	XPS Study of the Growth Kinetics of Thin Films Obtained by Thermal Oxidation of Germanium Substrate.	Journal of Electron Spectroscopy and Related Phenomena Volumes 101–103, June 1999, Pages 233-238 Q2
2	N. Tabeta, , , M. Faiza, **A. Al-Oteibi**	XPS study of nitrogen-implanted ZnO thin films obtained by DC-Magnetron reactive plasma.	Journal of Electron Spectroscopy and Related Phenomena Volume 163, Issues 1–3, April 2008, Pages 15-18 Q2
3	N. Tabet, M. Faiz and **A. L. Oteibi**.	Growth of ZnO Nanostructures on Zinc Oxide and Pt Substrate.	International Journal of Nanoscience 06(01)2011 DOI: 10.1142/S0219581X07004298 Q1
4	Taher Ghrib, Rawdha Brini, **Amal Lafi Al-otaibi**, Muneera Abdullah Al-messiere	Thermal and Structural Study of Mono- and Multi-Layered Thin Films Composed of CuAlS2 Chalcogenide	CHINESE PHYSICS LETTERS-2013 Q3
5	Taher Ghrib, Muneera Abdullah Al-Messiere and **Amal Lafi Al-Otaibi**	Synthesis and Characterization of ZnO/ZnS Core/Shell Nanowires	Journal of Nanomaterials-2014 Q2
6	**Amel Lafi Al-Otaibi1**, Muneera Abdullah Al-messiere and Taher Ghrib.	Effect of Annealing Process on Porous Aluminium Filled with Graphite	Physical Science International Journal, ISSN: 2348-0130,Vol.: 4, Issue.: 7 (September) Q3
7	Taher Ghrib, Amal Lafy Al-Otaibi, Munirah Abdullah Almessiere	Microstructural and thermal properties of porous aluminum filled with nanocrystalline silicon.	Journal of engineering and applied sciences, vol. 2, issue 1, November 2015. Q3

8	Munirah Abdullah Almessiere, **Amal Lafy Al-Otaibi**, Ibtissem Ben Assaker, Taher Ghrib, Radhouane Chtourou	Electrodeposited and characterization of Ag–Sn–S semiconductor thin films.	Materials Science in Semiconductor Processing Volume 40, December 2015, Pages 267–275 Q1
9	Ibtissem Ben Assaker, Mounir Gannouni, Jamila Ben Naceur, Munirah Abdullah Almessiere, **Amal Lafy Al-Otaibi**, *Taher Ghrib*, Shouwen Shen, Radhouane Chtourou	Electrodeposited ZnIn2S4 onto TiO2 thin films for semiconductor-sensitized photocatalytic and photoelectrochemical applications.	Applied Surface Science Volume 351, 1 October 2015, Pages 927–934 Q1
10	Taher Ghrib, **Amal Lafy Al-Otaibi**, Munirah Abdullah Almessiere, Ibtissem Ben Assaker, Radhouane Chtourou	High Thermoelectric Figure of Merit of Ag8SnS6 Component Prepared by Electrodeposition Technique	CHINESE PHYSICS LETTERS-2015 Q3
11	Amer N. J. Al-Daghman 1, *, K. Ibrahim 1, Naser M. Ahmed 1, Munira Abdullah Al- Messiere, **Amal Lafy Al-Otaibi.**	Novelty and facilitate way for fabrication of microstructure Polyaniline (PANI-EB) thin films	Journal of Scientific Research and Development 3 (2): 45-49, 2016 Available online at www.jsrad.org ISSN 1115-7569
12	M.K. Ben Salem, M.A. Almessiere, **A.L. Al-Otaibi**, M. Ben Salem, F.Ben Azzouz.	Effect of SiO2 nano-particles and nano-wires on microstructure and pinning properties of YBa2Cu3O7	Journal of Alloys and Compouds 657 (2016) 286-295. Q1
13	E.Hannachi,Y.Slimani, M.K. Ben Salem, A Hamrita, **A.L.Al-Otaibi**,M. A. Almessiere, M.Ben Salem, F. Ben Azzouz.	Fluctuation induced conductivity studies in YBa2Cu3Oy compound embedded by superconducting nanoparticles Y-deficient YBa2Cu3Oy: effect of silver inclusion	Indian Journal of Physics DOI 10.1007/s12648-016-0839-4 2016 Q3
14	Q.N. Abdullah, F.K. Yam, K.H. Mohmood, Z. Hassan, M.A. Qaeed, M. Bououdina, M.A. Almessiere, **A.L. Al-Otaibi**, S.A. abdulateef.	Free Growth of One-Dimensional β-Ga2O3 Nanostructures including Nanowires, Nanobelts and Nanosheets Using a Thermal Evaporation Method	Ceramics International 42(2016) 13343-13349 Q1
15	**Al-Otaibi**, A. L.; Almessiere, M. A.; Salem, M. Ben; Azzouz, F. Ben	Excess conductivity analysis in YBa2Cu3O7d added with SiO2 nano-particles and nanowires: Comparative study.	Modern Physics Letters B, Volume 30, Issue 20, id. 1650242 Q3
16	M. Salem, I. Massoudi, Munirah A. Almessiere, **Amal L. Al-Otaibi,** Nada M. Alghamdi, M. Gaidi, M. A. El Khakani, K. Khirouni	Structural, morphological and optoelectronic properties of porous silicon combined alumina coating film deposited by PLD.	Journal of Materials Science: Materials in Electronics November 2017, Volume 28, Issue 21, pp 15768–15774Q2
17	Taher Ghrib, **Amal Lafy Al-Otaibi**, Munirah Abdullah Almessiere, Amel Ashahri, Imen Masoudi	Structural, optical and thermal properties of the Ce doped YAG synthesized by solid state reaction method	Thermochimica Acta Available online 26 April 2017 Q2
18	Taher Ghrib, Munirah Abdullah Almessierem, **Amal Lafy Al-Otaibi**, Sami Brinim, Radhouane Chtourou.	Theoretical adjustment of necessary conditions for enhancing figure of merit of thin thermoelectric layers	J. Heat Transfer, 10.1115/1.4036039, 2017. Q2

19	Munirah Abdullah Almessiere, **Amal Lafy Al-Otaibi,** Azzouz, F. Ben	Superconducting properties of nano-sized SiO2 added YBCO thick film on Ag substrate.	Indian journal of Physics (2017) Q3
20	Munirah A. Almessierea, Naser M. Ahmedb, I. Massoudia, **Amal L. Al-Otaibi,** Amal A. Al-shehria, M.Al Shafourib.	Study of the structural and luminescent properties of Ce3+ and Eu3+ co-doped YAG synthesized by solid state reaction	Optik - International Journal for Light and Electron Optics Volume 158, April 2018, Pages 152–16. Q2
21	R. A. Al-Mohsin1, **A. L. Al-Otaibi**, M. A. Almessiere, H. Al-badairy, Y. Slimani, F. Ben Azzouz1	Comparison of the Microstructure and Flux Pinning Properties of Polycrystalline YBa2Cu3O7-d Containing Zn0.95Mn0.05O or Al2O3 Nanoparticles	J Low Temp Phys https://doi.org/10.1007/s10909-018-1895-2 Q2
22	C. Messaadia, c, T. Ghrib, M. Ghriba, **A.L. Al-Otaibib**, M. Glidc, H. Ezzaouiaa	Investigation of the percentage and the compacting pressure effect on the structural, optical and thermal properties of alumina-zeolite mixture	Results in Physics. Volume 8, March 2018, Pages 422–428 Q2
23	M. Souissia, T. Ghribb, **A. Al-Otaibi**, I.A. Al-Nuaim, M. Bouzidid	Structural, optical and thermal properties of V-doped GaN thin films grown by MOCVD technique	Thermochimica Acta 682 (2019) 178428 Q2
24	**Amal L. Al-Otaibi**, Taher Ghrib, Mody Alqahtani, Mody A. Alharbi, Ridha Hamdi, Imen Massoudi	Structural, optical and photocatalytic studies of Zn doped MoO3 nanobelts	Chemical Physics 525 (2019) 110410 Q2
25	Taher Ghrib, **Amal L. Al-Otaibi**, Mody Alqahtani, Nafla A Altamimi, Afrah Bardaoui, Sami Brini.	Structural, optical and electrical properties of the Zn doped MoO3 deposited on porous silicon	Sensors and Actuators A: Physical sensors and Actuators A 297 (2019) 111537 Q1
26	**Amal Al-Otaibi** and Munirah Abdullah Almessiere	Preparation and Study properties of Zinc oxide Nanostructure.	LAMBERT ACADEMIC (2016)
27	**Amal L. Al-Otaibi**, Enas Howsawi, Taher Ghrib	Structural and optical characteristics of pure and 5%RE (Tb, Y and Eu) doped ZnO	Nano-Structures & Nano-Objects 24 (2020) 100551 Q1
28	Imen Massoudi, Taher Ghrib, **Amal L. Al-Otaibi**, Kawther Al-Hamadah, Shadia Al-Malky, Maha Al-Otaibi, Mariam Al-Yatimi	Effect of yttrium substitution on microstructural, optical, and photocatalytic properties of ZnO nanopowder	Journal of ELECTRONIC MATERIALS https://doi.org/10.1007/s11664-020-08274-9 2020 The Minerals, Metals & Materials Society Q2

29	Taher Ghrib, Imen Massoudi, **Amal L. Al-Otaibi**, Amal Al-Malki, Aya Kharma, Eman Al-Hashem, Rawan A. Al-Ghamdi & Ruba A. Al-Zuraie	Effects of Terbium Doping on Structural, Optical and Photocatalytic Properties of ZnO Nanopowder Prepared by Solid-State Reaction	Journal of Inorganic and Organometallic Polymers and Materials ISSN 1574-1443 J Inorg Organomet Polym DOI 10.1007/s10904-020-01761-w Q1 (2021)
30	**Amal L. Al-Alotaibi** , N. Altamimi , E. Howsawi , Khaled A. Elsayed , Imen Massoudi , A. E. Ramadan	Synthesis and Characterization of MoO3for Photocatalytic Applications	Journal of Inorganic and Organometallic Polymers and Materials (2021) https://doi.org/10.1007/s10904-021-02038-6 Q2 (2021)
31	Ridha Hamdi, Amani Rached, Imen Massoudi, Ruba Al-Zuraie, Kawther Al-Hamadah, **Amal Al-Otaibi,** Tahani Flemban, Norah Alonizan, Tahr Ghrib	Electrodeposition Study of Silver: Nucleation Process and Theoretical Analysis	Journal of Electronic Materials https://doi.org/10.1007/s11664-021-09055-8 **Q2 (2021)**
32	**Amal L. Al-Alotaibi**	Yttrium doped single-crystalline orthorhombic molybdenum oxide micro-belts: Synthesis, structural, optical and photocatalytic properties	Journal of Inorganic and Organometallic Polymers and Materials https://link.springer.com/article/10.1007/s10904-021-01999-y **Q2 (2021)**
33	Khaled A. Elsayed, Munther Alomari, Q.A. Drmosh , Muidh Alheshibri, Abbad Al Baroot, T.S. Kayed , Abdullah A. Manda, **Amal L. Al-Alotaibi**	Fabrication of ZnO-Ag bimetallic nanoparticles by laser ablation for anticancer activity	Alexandria Engineering Journal Volume 61, Issue 2, February 2022, Pages 1449-1457 https://doi.org/10.1016/j.aej.2021.06.051 **Q1 (2022)**
34	Taher Ghrib, **Amal L. Al-Otaibi**, Imen Massoudi, Albandri M. Alsagry, Azhar S. Aljaber, Ethar A. Alhussain, Wasan S. Alrubian, Sami Brini, Mohammed A. Gondal, Khaled A. Elsayed & Tarek S. Kayed	Effect of europium doping on the microstructural, optical and photocatalytic properties of ZnO nanopowders	Arab Journal of Basic and Applied Sciences https://doi.org/10.1080/25765299.2022.2071525 **Q1 (2022)**
35	Abdullah A. Manda , Q.A. Drmosh,,Khaled A. Elsayed, **Amal L. Al-Alotaibi** ,Ibrahim Olanrewaju Alade, Sagheer A. Onaizi , Hatim D.M. Dafalla, A. Elhassan	Highly efficient UV–visible absorption of TiO2/Y2O3 nanocomposite prepared by nanosecond pulsed laser ablation technique	King Saud University Arabian Journal of Chemistry https://doi.org/10.1016/j.arabjc.2022.104004
36	Muidh Alheshibri, Khaled Elsayed, Shamsuddeen A.Haladu , Saminu Musa Magami d , Abbad Al Baroot ,Ismail Ercan , Filiz Ercan, Abdullah A.Manda , Emre Çevik , T.S. Kayed, Aamerah A Alsanea, Amjad Mujawwil Alotaibi, **Amal L.Al-Otaibi**	Synthesis of Ag nanoparticles-decorated on CNTs/TiO2 nanocomposite as efficient photocatalysts via nanosecond pulsed laser ablation	Optics and Laser Technology https://doi.org/10.1016/j.optlastec.2022.108443
37	Abdullah A. Manda ,, Khaled A. Elsayed , Umar Ibrahim Gaya , Shamsuddeen A. Haladu ,Ismail Ercan, Filiz Ercan, Muidh	Enhanced photocatalytic degradation of methylene blue nanocomposites prepared by laser ablation of Bi on CNT	Optics and Laser Technology https://doi.org/10.1016/j.optlastec.2022.108430

	Alheshibri, Abbad Al Baroot a , T.S. Kayed, Sultanah Alshammery, Nafala A.Altamimi , **Amal L. Al-Otaibi**	α-Fe2O3 nanoparticles	
38	Ridha Hamdi , Amani Rached , **Amal L. Al–Otaibi** , Imen Massoudi , Shouq Alkorbi,and Amor Saidi Ben Ali	Physical, Static, and Kinetic Analysis of the Electrochemical Deposition Process for the Recovery of Heavy Metal from Industrial Wastewater	Hindawi Scientifica Volume 2023, Article ID 2741586, 8 pages https://doi.org/10.1155/2023/2741586
39	Nesrine Mahmoud, **Amal Al-Aotaibi,** Sultan Akhtar, Mohamed Azam Ansari, Abeer Ramadan, somia Ahmed	Study the effect of simple extraction techniques to synthesizing promising antimicrobial bio-capped Copper Oxide nanoparticles	Green Chemistry Letters And Reviews accepted for publication DOI - 10.1080/17518253.2023.2260417

Scientific Researches Under Review

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1			

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Taher Ghrib, **Amal Lafy Al-Otaibi**, Munirah Abdullah Almessiere	Preparation of new nanoparticles based on ZnO and ZnO/ZnS (core/shell) using the electrochemical deposition technique and its characterization with the photothermal deflexion technique	September 2014
2	Taher Ghrib, Munirah AbdullahAlmessiere , **AmalLafyAl-Otaibi**	Surface and volume topography using photothermal deflection technique	September 2015
3	Faten Ben Azuze, **Amal Al-Otaibi** and Muneera Abdullah Al-messiere.	Nano-particles addition effect on microstructure, electrical and magnetic transport properties in YBa2Cu3O7-d thick film on Ag substrate(still under process).	September 2015
4	**Amal Al-Otaibi** and Muneera Abdullah Al-messiere	Preparation and Study of Nanostructural and Optical properties of Zinc Oxide.	September 2013

5	**Amal Al Otaibi**, Munirah Abdullah Almessiere Taher Ghrib.	Improvement of performance of solar cells based on perovskite compounds.	2015-2016
6	**Amal Lafy Alotiaibi**, Taher Hcin Ghrib, and Munerah Abdullah Almessiere Research Assistant: Nada Mohammad Alghamdi	Advances in the Surface Passivation of silicon for efficiency improvement of silicon solar cells (24 months)	2016
7	Nada elzen ,Faten Azzouz ,**Amal Al-Otaibi** ,Munirah Abdullah Almessiere	Synthesis and characterization of hybrid nano structure metal oxidebased thin films.	2016-2017
8	Iman Salah massoudi, Taher Ghrib ,**Amal Al-Otaibi** ,Munirah Abdullah Almessiere	Manufacture and characterization of porous and nanoscale capacitors to produce and store electric energy.	2016-2017

Ongoing Researches Project

#	Year	Research Title	Grant number	Principle investigator	Co-investigator(s)	Funding Source
1	2020	Industrial wastewater treatment	IF-2020-022-Sci	**Amal Lafy Alotiaibi**	Asmaa Elhassan, Aamerah Abdulwahab Alsanea, Imen Massoudi, Ridha Hamdi, Khaled Abdelsaboor, Muidh Alheshibri, and Nesrine Mohamed Refaat Consultants Roberta Fantoni and Mohamed Abd el Harith Research Assistants: Nafla Altamim	Institutional Research Fund, Deanship of Research & Innovation in the Ministry of Education

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	Sharjah International Conference on Physics of Advanced Materials (SICPAM)	23-25 March 2020	Oral and Poster
2	Physics department, Lahore College for Women University, Lahore	15-17th Feburary, 2021	Oral
3	nternational Conference and Exhibition for Education 2022	8-11May, 2022	Attend

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)

1	General Physics1		lectures/Tutorials
2	General Physics 2		lectures/Tutorials
3	Electricity and Magnetic		lectures/Tutorials
4	Fundamental of physics		lectures/Tutorials
5	Electronic1		lectures/Tutorials
6	Practical physics (1).		lectures/Tutorials
7	Nanotechnology and Nanoscience		lectures/Tutorials

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Electronic & Mechanical Workshop		lectures/Tutorials – Master program
2	Semiconductors materials		lectures/Tutorials– Master program
3	Materials Characterization Techniques		lectures/Tutorials– Master program
4	Laser Theory and applications		lectures/Tutorials– Master program
5	Thin film science and technology		lectures/Tutorials – PhD program
6	Materials for energy and environment		lectures/Tutorials – PhD program

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Master in physics	Synthesis and Characterization of rear-Earth Effect on YAG Phosphor for Conversion Blue to White Light	Imam Abdulrahman Bin Faisal University-College of science - Dammam- Saudi Arabia	2015-2016
2	Master in physics	Effect of Magnetic Nano-particle Inclusions on YBCO Polycrystalline Pinning Properties	Imam Abdulrahman Bin Faisal University-College of science - Dammam- Saudi Arabia	2014-2016
3	Master in physics	Study of the SnO2 doped TiO2 thin films deposited on porous silicon substrates	Imam Abdulrahman Bin Faisal University-College of science - Dammam- Saudi Arabia	2018-2019
4	Master in physics	Investigation and Improvement of Photovoltaic Cells based Zn doped Molybdenum oxide on porous silicon substrates	Imam Abdulrahman Bin Faisal University-College of science - Dammam- Saudi Arabia	2018-2019
5	Master in physics	Synthesis and Characterization of nano MoO3 doped with some rare earth and its environmental Application	Imam Abdulrahman Bin Faisal University-College of science - Dammam- Saudi Arabia	2019-2020
6	PhD in physics -Material Science	Development of highly sensitive acetone gas sensor using metal oxides-based thin films for the early diagnosis of lung cancer	Imam Abdulrahman Bin Faisal University-College of science - Dammam- Saudi Arabia	2023

Administrative Responsibilities, Committee and Community Service

(Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	2021	-	Basic and Applied Scientific Research Center Director	Imam Abdulrahman Bin Faisal University-College of science
2	2019	-	Dean of College of Science	Imam Abdulrahman Bin Faisal University-College of science
3	2016	2019	Vice Dean for Academic Affairs	Imam Abdulrahman Bin Faisal University-College of science
4	2016	2020	Chairman of the Academic Programs Development Unit, College of Science	Imam Abdulrahman Bin Faisal University-College of science
5	2015	2016	Chairman of the General Level Unit, College of Science	Imam Abdulrahman Bin Faisal University-College of science
6	2012	2015	Chairman of the Tables Unit, College of Science	Imam Abdulrahman Bin Faisal University-College of science

Committee Membership

#	From	To	Position	Organization
1	2008	2012	Chairman of the Tables Committee, Department of Physics	Imam Abdulrahman Bin Faisal University
2	2016	2018	Member of the Advisory Committee of the Institute for Research and Medical Consultation (IRMC)	Imam Abdulrahman Bin Faisal University
3	2016	2020	Head of the academic program development committee in the College of Science	Imam Abdulrahman Bin Faisal University
3	2019	2020	Member of the Advisory Committee of the Vice Dean for Academic affairs	Imam Abdulrahman Bin Faisal University
4	2020	-	Member of the Development Committee for the Master's Program in Physics - Materials Physics	Imam Abdulrahman Bin Faisal University
5	2020	-	Member of the Standing Committee to attract faculty members at the university	Imam Abdulrahman Bin Faisal University

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

1	Nanomaterials
2	Photovoltaic cells
3	Materials Science.
4	Nanostructural and Optical properties of Materials Oxide.
5	Solar Cell –improved the properties.
6	Peroviskite Materials
7	Industrial wastewater treatment

Last Update: 23/09/2023 **Dr: Amal L. Alotaibi**