

FACULTY FULL NAME: Muhanad Abdelhafiz Rajeh Jadan

POSITION: Faculty Member, Professor of Physics-Department of Physics-College of Science



Personal Data

Nationality | *Jordanian*

Date of Birth | 01-04-1967

Department | Physics

Official IAU Email | majadan@iau.edu.sa

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Office Phone No. | 0133337214

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Language Proficiency

Language	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Very good
Russian	Excellent	Excellent	Very good

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
November 1, 1991 - December 16, 1994 (3-Years Regular Study)	PhD in Physics and Mathematics/ Semiconductor and Dielectric Physics	<u>Belarusian State University</u> , Faculty of Physics, Physics of Semiconductors and Nanoelectronics Department, Formerly: (Department of Semiconductor and Dielectric Physics)	Republic of Belarus, Minsk



September 1, 1986 - June 8, 1991 (5-Years Regular Study)	MSc and BSc in Physics and Mathematics/ Semiconductor and Dielectric Physics	<u>Belarusian State University</u> , Faculty of Physics, Physics of Semiconductors and Nanoelectronics Department, Formerly: (Department of Semiconductor and Dielectric Physics)	Republic of Belarus, Minsk
September 5, 1985 - June 8, 1986 (1-Years Regular Study)	Preparatory Year & Teaching Language	<u>Moldova State University</u> <u>Preparatory College</u> , Formerly/: <u>(Kishinev State University)</u> <u>Preparatory Year & Teaching</u> <u>Russian Language</u>	Republic of Moldova, Kishinev

Ph.D., Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	“Watkins Substitution and Diffusion of Implanted Impurities in Silicon”
M.Sc. & B.Sc.	“The Effect of Radioactive Defects on the Activation and Diffusion of Implanted Impurities in Silicon”

Professional Record: (Beginning with the most recent)

#	Job Rank	Place and Address of Work			Date
1	Full Professor of Physics	<u>Imam Abdulrahman Bin Faisal University, Formerly: Dammam University</u> , Dammam, KSA	<u>College of Science</u>	<u>Department of Physics</u>	September 13, 2016-at present
2	Full Professor of Physics	<u>Tafila Technical University</u> Tafila, Jordan	<u>Faculty of Science</u>	<u>Department of Applied Physics</u>	April 07, 2014- September 12, 2016
3	Associate Professor “A”	<u>Tafila Technical University</u> Tafila, Jordan	<u>Faculty of Science</u>	<u>Department of Applied Physics</u>	December 04, 2013 - April 06, 2014
4	Associate Professor “B”	<u>Tafila Technical University</u> Tafila, Jordan	<u>Faculty of Science</u>	<u>Department of Applied Physics</u>	February 23, 2011 - December 03, 2013 (Acting Dean, Faculty of Science: September 04, 2011- September01, 2013
5	Visiting Associate Professor	<u>Jazan University</u> , Jazan, KSA	<u>Faculty of Science</u>	<u>Department of Physics</u>	September 01, 2006- February 22, 2011 Director of Research Unit, Jazan University Research Center: September 01, 2007- February 22, 2008
6	Associate Professor “B”	<u>Tafila Technical University</u> Tafila, Jordan	<u>Faculty of Science</u>	<u>Department of Applied Physics</u>	October 18, 2005-April 6, 2014
7	Assistant Professor “A”	<u>Tafila Technical University</u> Tafila, Jordan	<u>Faculty of Science</u>	<u>Department of Applied Physics</u>	July 1, 2005-October 17, 2005
8	Assistant Professor “A”	<u>Al-Balqa' Applied University</u> Tafila, Jordan	<u>Tafila Applied University College</u>	<u>Department of Basic and Applied Sciences</u>	January 20, 2003-June 30, 2005
9	Assistant Professor “B”	<u>Al-Balqa' Applied University</u> Tafila, Jordan	<u>Tafila Applied University College</u>	<u>Department of Basic and Applied Sciences</u>	November 1, 2000- January 19, 2003 (Head of Department): September 04, 2001- September 01, 2002



10	Assistant Professor	Sana'a University, Sana'a, Yemen Republic	Faculty of Science	Department of Physics	October 1, 1999-September 29, 2000
11	Assistant Professor "B"	Applied Science University Amman, Jordan	Faculty of Science	Department of Physics	September 14, 1996-September 14, 1999
12	Lecturer	Misurata University (State University) -Department of Physics Formerly: AL-Tahaddi University, Misurata, Libya	Misurata Faculty of Science	Department of Physics	September 14, 1995-September 13, 1996

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Acting Dean, Faculty of Science:	Tafila Technical University, Faculty of Science, Department of Applied Physics, Tafila, Jordan	September 04, 2011-September 01, 2013
Head of Department of Basic and Applied Sciences	Al-Balqa' Applied University, Tafila Applied University College, Department of Basic and Applied Sciences, Tafila, Jordan	September 04, 2001-September 01, 2002
Director of Research Unit, Jazan University Research Center, Jazan University, for the academic year (2008/2009), Jazan, KSA	Director of Research Unit, Jazan University Research Center, Jazan University, for the academic year (2008/2009), Jazan, KSA	September 01, 2007-February 22, 2008

Scientific Achievements

#	Year	Publisher and Date of Publication	Publisher	Name of Investigator(s)	Research	Research Title
1.	2023 IAU	<ul style="list-style-type: none"> Received: September 2, 2023, Accepted: November 10, 2023 	Digest Journal of Nanomaterials and Biostructures EISSN: 1842-3582, ISSN: 1842-3582 =WOS 2022 JOURNAL IMPACT FACTOR: 0.9=	M. Jadan, et al	Article	Characterizations of sprayed TiO ₂ and Cu doped TiO ₂ thin films prepared by spray pyrolysis method", https://doi.org/10.15251/DJNB.2023.184.1385
2.	2023 IAU	<ul style="list-style-type: none"> Received: Apr 13, 2023, Revised 18 May 2023, Accepted: May 20, 2023 Available online 22 May 2023, Version of Record 25 May 2023 	Journal of Solid State Chemistry. ISSN: 0022-4596" Publisher: ELSEVIER (2021) WOS IF: 3.656	M. Jadan, et al	Article	Study of Role of Spin in Ferromagnetism and Thermoelectric Characteristics of SpinelChalcogenides MgEr ₂ (S/Se) ₄ for Spintronic and Clean Energy https://doi.org/10.1016/j.jssc.2023.124128
3.	2023 IAU	<ul style="list-style-type: none"> Received: December 11, 2022, Accepted: March 9, 2023, Available online: March 9, 2023. 	Journal of Ovonic Research, ISSN: 1842-2403, EISSN: 1584-9953 =WOS 2021 JOURNAL IMPACT FACTOR: 0.892=	R. I. Jasim E. H. Hadi S. S. Chiad N. F. Habubi M. Jadan, J. S. Addasi	Article	EFFECT OF SILVER-DOPING ON THE STRUCTURAL, TOPOGRAPHY AND OPTICAL CdSe THIN FILMS, Research Vol. 19, No. 2, March - April 2023, p. 187 – 196, DOI: 10.15251/JOR.2023.192.187
4.	2022 IAU	<ul style="list-style-type: none"> Received: 27 March 2022, Revised: 7 September 2022, 	Materials Science & Engineering B, ISSN: 0921-5107	Liani Mohamed, Moulay Nouredine, Berrahal	Article	"Dislocations and crystallite size distribution of cadmium oxide thin films synthesized by spray pyrolysis technique".



		<ul style="list-style-type: none"> Accepted: 1 October 2022 Available online: 21 October 2022 Version of Record: 21 October 2022. 	<p><u>EISSN:1873-4944</u> <u>ELSEVIER,</u> <u>NETHERLANDS,</u> <u>WOS IF: 3.407.</u></p>	<p><u>Mokhtar, Y. Al-Douri., Bensaid Djillali, Boumia Lakhdar, A.F. Abd El-Rehim, M. Jadan</u></p>		<p>https://doi.org/10.1016/j.mseb.2022.116055</p>
5.		<ul style="list-style-type: none"> In Process, Current Status: Submitted to Journal 01/04/2022 	<p><u>International Journal of Energy Research</u> <u>WOS IF: 5.1 OI</u></p>	<p><u>O. Mahmood, M. Jadan, Syed Awais Rouf, Hind Albalawi, Manal Morsi et al</u></p>	Article	<p><u>Study of New Trivant based Double Perovskites $A_2Hf_6(A = Ga, In, Tl)$ for Solar Cells and Green Energy</u></p>
6.	2021 IAU	<ul style="list-style-type: none"> Received: 22 August 2020. Revised: 5 December 2020. Accepted: 10 December 2020. Published Manuscript online: 11 December 2020 	<p><u>Chinese Physics B,</u> <u>ISSN: 1674-1056</u> <u>eISSN:1741-4199,</u><u>Institute of Physics,</u> <u>Chinese Academy of Sciences, China, Chinese Physics B, Volume 30, Number 6 , WOS IF: 1.494.</u></p>	<p><u>Hussein T. Salloom, Rushdi I. Jasim , Nadir Fadhil Habubi, Sami Salman Chiad, M. Jadan, Jihad S. Addasi,</u></p>	Article	<p><u>"Gas Sensor using Gold doped Copper Oxide Nanostructured Thin Films as Modified Cladding Fiber",</u> https://doi.org/10.1088/1674-1056/abd2a7</p>
7.	2021 IAU	<ul style="list-style-type: none"> Int. J. Thin. Fil. Sci. Tec. 10, No. 1, 41-44 (2021) Received: 21 Feb. 2020. Revised: 22 Mar. 2020. Accepted: 24 Mar. 2020. Published online: 01 Jan. 2021. 	<p><u>International Journal of Thin Films Science and Technology, E ISSN: 20909527, P ISSN 20909519, Natural Sciences Publishing, USA, Scopus: 04.</u></p>	<p><u>Kameran Yasseen Oader, Esraa H Hadi, Nadir Fadhil Habubi, Sami Salman Chiad, M. Jadan, J.S. Addasi</u></p>	Article	<p><u>"Effects of Ni - doping on the characterization of nanostructured CdS thin films".</u> <u>Int. J. Thin. Fil. Sci. Tec. 10, No. 1, 41-44 (2021) 41</u> http://dx.doi.org/10.18576/ijfst/100107</p>
8.	2022 IAU	<ul style="list-style-type: none"> In Process 	IAU	<p>M. Jadan, Jihad Addasi, et all [all PhD students [11-students] , Department of Physics, College of Science, IAU.</p>	Book	<p><u>Applied Physics</u></p>
9.	2022 IAU	<ul style="list-style-type: none"> In Process 	IAU	<p><u>M. Jadan et all (Material Science MSc students -5 students)-, Department of Physics, College of Science, IAU.</u></p>	Book	<p><u>The science & engineering of materials</u></p>
10.	2020 IAU	<ul style="list-style-type: none"> Received: July 24, 2020, Accepted: October - December 2020 Published: October - December 2020 Virtual Institute of Physics operated by Virtual Company of Physics SRL, 	<p><u>Digest Journal of Nanomaterials and Biostructures, ISSN: 1842-3582, Virtual Institute of Physics operated by Virtual Company of Physics SRL, WOS IF: 0.785</u></p>	<p><u>Hussein T. Salloom, Esraa H Hadi, Nadir Fadhil Habubi, Sami Salman Chiad, M. Jadan, J.S. Addasi,</u></p>	Article	<p><u>"CHARACTERIZATION OF SILVER CONTENT UPON PROPERTIES OF NANOSTRUCTURED NICKEL OXIDE THIN FILMS".</u> https://chalcongen.ro/1189_SalloomHT.pdf</p>



		<p>BUCHAREST, ROMANIA,</p> <ul style="list-style-type: none"> 2019 Web of Science Impact Factor: 0.785, [Q4]. 				
11.	<u>2020 IAU</u>	<ul style="list-style-type: none"> Vol. 4, No. 2, (2020) 153– 156 Received: 02.07. 2019, Accepted: 02.09.2019, Published: 01.05.2020. 	<p>"Experimental and Theoretical Nanotechnology, e-ISSN: 2590-4132", Publisher: "The Scientific Institute for Advanced Training and Studies, Malaya", IAU.</p>	<p>Thaer M. Salman, Abbas A. Sweaf, Hussein Ali Noor, Jihad S. Addasi, M. Jadan.</p>	Article	<p>"Evaluation of Uranium Concentration in Soil Samples of Al-Diwaniya Governorates using ICP-Mass Techniques, paper code: ETN252". http://etn.siats.co.uk/040210</p>
12.	<u>2020 IAU</u>	<ul style="list-style-type: none"> Volume 285, May 2020, 121261, Received: 5 November 2019, Received in revised form: 11 February 2020, Accepted: 11 February 2020, Available online: 19 February 2020, Published: May 2020, 121261. ACADEMIC PRESS INC ELSEVIER, SCIENCE, USA, 2018 Web of Science Impact Factor: 2.291, [Q2]. 	<p>"Journal of Solid State Chemistry, ISSN: 0022-4596" Publisher: ELSEVIER WOS IF: 2.291 IAU</p>	<p>Q. Mahmood, N.A. Noor, M. Jadan, Jihad S. Addasi, Asif Mahmood, Shahid M. Ramay</p>	Article	<p>"First-principle investigation of ferromagnetism and thermoelectric characteristics of $M\text{aCr}_2\text{X}_4$ (X = S, Se) spinels". https://doi.org/10.1016/j.jssc.2020.121261</p>
13.	<u>2020 IAU</u>	<ul style="list-style-type: none"> Vol. 16, No. 1, p. 35 – 40, Received: 08-10-2019, Accepted: Jan 17, 2020, Published: January – February 2020, NATL INST R&D MATERIALS PHYSICS, BUCHAREST, ROMANIA, 2018 Web of Science Impact Factor: 0.701, [Q4]. 	<p>"Journal of Ovonic Research", ISSN 1584 – 9953 Publisher: Virtual Institute of Physics operated by Virtual Company of Physics SRL WOS IF: 0.701</p>	<p>S. S. Chiad, H. A. Noor, O. M. Abdulmunem, N. F. Habubi, M. Jadan, J. S. Addasi</p>	Article	<p>"OPTICAL AND STRUCTURAL PERFORMANCE OF NANOSTRUCTURED Te THIN FILMS BY (CSP) WITH VARIOUS THICKNESSES"</p>
14.	<u>2019 IAU</u>	<ul style="list-style-type: none"> Vol. 1, No.1, p. 1- 3, Received: 06-12-2019, Accepted: 10-12-2019 Published: 16-12-2019 	<p>Journal: Acta Scientific Applied Physics Publisher: Acta Scientific, IAU</p>	<p>M. Jadan</p>	Article	<p>"Compact EPR Analyzer"</p>
15.	<u>2019 IAU</u>	<ul style="list-style-type: none"> Volume 14, September 2019, 102379 Received: 6 February 2019, Revised: 21 May 2019, 	<p>Results in Physics, ISSN: 2211-3797, (2019 IF = 3.042) ELSEVIER, 2019 IAU</p>	<p>M. Jadan, Jihad Addasi, Moayad Flaifel, L.E. Burov, A.S.</p>	Article	<p>The effect of VCSEL intrinsic dynamics on polarization bistability</p>



		<ul style="list-style-type: none"> ● Accepted: 21 May 2019, ● Available online: 25 May 2019, ● Published: September 2019. ● ELSEVIER SCIENCE BV, NETHERLANDS, ● 2018 Web of Science Impact Factor: 3.042, [Q2]. 		<u>Gorbatsevich, P.M. Lobatsevich</u>		
16.	<u>April, 2018 IAU</u>	<ul style="list-style-type: none"> ● <u>158, (April 2018),118–126, Received: 10 October 2017;</u> ● Accepted: 22 November 2017; ● Available online: 07 December 2017; ● Published: April 2018. ● 2018 Web of Science Impact Factor: 1.914, [Q3]. 	<u>Optik: International Journal for Light and Electron, Optics ISSN: 0030-4026, (2019 IF = 1.914) ELSEVIER, GmbH 2017. IAU & TTU</u>	<u>M. Jadan, Jihad Addasi, L.E. Burov, A.S. Gorbatsevich, P.M. Lobatsevich</u>	<u>Article</u>	<u>Polarization switching mechanism in surface-emitting semiconductor lasers</u>
17.	<u>Fab 10, 2014</u>	<u>Volume 15, Issue 1, pp 38-45, Institute of Physical Optics of the Ministry of Education and Science of Ukraine, Lviv, Ukraine</u>	<u>Ukrainian Journal of Physical Optics</u>	<u>M. Jadan</u>	<u>Article</u>	<u>Light Quenching Effects at High Saturation Conditions</u>
18.	<u>Jan 10, 2014</u>	<u>Volume 15, Issue 1, pp 17-23, Institute of Physical Optics of the Ministry of Education and Science of Ukraine, Lviv, Ukraine</u>	<u>Ukrainian Journal of Physical Optics</u>	<u>M. Jadan</u>	<u>Article</u>	<u>Mode Hopping and Carrier Density Fluctuations in Semiconductor Lasers7</u>
19.	<u>Febru ary, 2013</u>	<u>Vol. 55, Issue 2, pp 278-281, Springer-USA,MAIK Nauka/Interperiodica-Russian Federation</u>	<u>Physics of the Solid State.</u>	<u>M. Jadan, A.R. Chelyadinskii and V.B. Odzhaev</u>	<u>Article</u>	<u>Localization of carbon 8atoms and extended defects in silicon implanted separately with C+ and B+ ions and jointly with C+ and B+ ions</u>
20.	<u>Septe mber, 2012</u>	<u>Volume 79, Issue 4, pp 577-582, Springer New York LLC</u>	<u>Journal of Applied Spectroscopy New York-USA</u>	<u>M. Jadan, L.I. Burov, and A.S. Gorbatsevich</u>	<u>Article</u>	<u>Point model for describing the polarization parameters of a single-mode semiconductor laser</u>
21.	<u>2012</u>	<u>Vol. 41, Issue 2, pp (85-90), March, Springer- USA, MAIKNauka/ Interperiodica Russian Federation</u>	<u>Russian Microelectronics</u>	<u>M. Jadan, A.R. Chelyadinskii and V.Yu. Yavid</u>	<u>Article</u>	<u>Influence of Radiation Defects on Diffusion of Arsenic and Antimony in Implanted Silicon</u>
22.	<u>Novem ber, 2011</u>	<u>Vol. 78, Issue 5, pp (733-737), Springer New York LLC, New York -USA</u>	<u>Journal of Applied Spectroscopy</u>	<u>L. I. Burov, A.S. Gorbatsevich,</u>	<u>Article</u>	<u>Effect of Diffusion and Fluctuations in the Nonequilibrium Charge Carrier Density on the</u>



				<u>M. Jadan, V.V.Sherstnev And Yu.P. Yakovlev</u>		<u>Angular Distribution of the Output Intensity for Injection Lasers Based on An InAsSb/ InAsSbP Heterostructure</u>
23.	<u>17 March, 2010</u>	<u>Vol. 77, Issue 1, pp (65-72), Springer New York LLC, New York -USA</u>	<u>Journal of Applied Spectroscopy</u>	<u>M. Jadan, L.I. Burov, A.S. Gorbatsevich and E.S. Sokolov</u>	<u>Article</u>	<u>Dynamics of Polarization Switching in Single-Mode Injection Semiconductor Lasers</u>
24.	<u>September, 2009</u>	<u>Vol. 76, Issue 5, pp (678-684), Springer New York LLC, New York -USA</u>	<u>Journal of Applied Spectroscopy</u>	<u>M. Jadan, L.I. Burov, A.S. Gorbatsevich and E.S. Sokolov</u>	<u>Article</u>	<u>Polarization Switching in Single-Mode Injection Semiconductor Laser</u>
25.	<u>2009</u>	<u>6 (6):1242-1245, Science Publications, New York-USA</u>	<u>American Journal of Applied Sciences</u>	<u>M. Jadan, A.R. Chelyadinskii and V. Yu. Yavid</u>	<u>Article</u>	<u>Model of High-Temperature Diffusion of Interstitial Silicon Atoms in Silicon</u>
26.	<u>2007</u>	<u>7(22): 3588-3591, Asian Network for Scientific information, New York-USA</u>	<u>Journal of Applied Sciences</u>	<u>Jihad S.M. Addasi, Mohanad Jadan and Saleh A. Abushendi</u>	<u>Article</u>	<u>Saturation Processes in Principal Channel of Dye Solutions with Coincident Absorption and Emission Bands-Part II</u>
27.	<u>2005</u>	<u>2(4): 877-880, Science Publications, New York -USA</u>	<u>American Journal of Applied Sciences</u>	<u>M. Jadan</u>	<u>Article</u>	<u>Residual Defects in Silicon Implanted with Boron and Phosphorous Ions</u>
28.	<u>2005</u>	<u>2(4):910-913, Science Publications, New York-USA</u>	<u>American Journal of Applied Sciences</u>	<u>M. Jadan, A.R. Chelyadinskii and V.Yu. Yavid</u>	<u>Article</u>	<u>Displacement of Boron from the Silicon Crystal Nodes by Interstitial Si Atoms During Implantation and Annealing</u>
29.	<u>2005</u>	<u>2(4):857-859, Science Publications, New York-USA</u>	<u>American Journal of Applied Sciences</u>	<u>M. Jadan and Jihad Said Addasi</u>	<u>Article</u>	<u>Localization of Implanted Impurities in Silicon</u>
30.	<u>2005</u>	<u>2(4):768-770, Science Publications, New York -USA</u>	<u>American Journal of Applied Sciences</u>	<u>Mohanad Jadan and Jihad Said Addasi</u>	<u>Article</u>	<u>Control of Oxygen Concentration by Using a Carbonaceous Substance</u>
31.	<u>2004</u>	<u>Volume 225, Issue 4, pages (516-520), Elsevier-Science Direct, North -Holland</u>	<u>Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms</u>	<u>M. Jadan, A.R. Chelyadinskii and V.Yu. Yavid</u>	<u>Article</u>	<u>Efficiency of Formation of Radiation Defects in Silicon upon Implantation of Silicon and Phosphorus Ions</u>
32.	<u>1995</u>	<u>V. 189, Issue 1, K1-K4, Inter science-Berlin, Germany.</u>	<u>Physica Status Solidi (b)</u>	<u>M. Jadan, N. I. Berezhnov and A.R. Chelyadinskii</u>	<u>Article</u>	<u>Charge States of Interstitial Defects in Implanted Silicon and their Annealing Temperatures</u>
33.	<u>1993</u>	<u>Volume 73, Issue 3, Pages 357-361, March Elsevier-Science Direct, North-Holland</u>	<u>Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms</u>	<u>M. Jadan, N. I. Berezhnov and A.R. Chelyadinskii</u>	<u>Article</u>	<u>On the Problem of Watkins Substitution and Migration of Silicon Atoms in Silicon</u>
34.	<u>2002</u>	<u>Minsk-Belarus</u>	<u>Patent NO 564, Registration NO U20010247-March</u>	<u>M. Jadan, S.V. Adashkevich, V.F. Stelmakh,</u>	<u>Patent</u>	<u>Calibrating Sample for Electron Paramagnetic Resonance Spectroscopy.</u>



			<u>5, Patent Agency of Belarusian State University-Scientific Research Department</u>	<u>V.P. Strigutsky and L.V. Strigutsky</u>		
35.	<u>2002</u>	<u>Minsk-Belarus</u>	<u>Patent NO 559, Registration NO U20010248-March 5, Patent Agency of Belarusian State University-Scientific Research Department</u>	<u>M. Jadan, S.V. Adashkevich, N.M. Lapchuk, V.F. Stelmakh and L.V. Strigutsky</u>	<u>Patent</u>	<u>Gas Analyzer</u>

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
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Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	<i>Oskar Khoce Araira Rivera, M. Jadan, A.R. Chelyadinskii</i>	<i>Influence of Radiation Defects on Diffusion of Implanted Arsenic in Silicon</i>	<i>the 7-th International Conference on Interaction of radiation with solid, pages162-163,September (26-28) 2007</i>
2	<i>A.R. Chelyadinskii, M. Jadan and H.I. HakiTaher</i>	<i>Efficiency of Formation of Radiation Defects in Silicon upon Implantation of Silicon and Phosphorus Ions</i>	<i>Proceedings of the International Symposium (11ST, 97) in Ion Implantation of Science and Technology In Semiconductors, pages 114-118, January (22-24)1997</i>
3	<i>M. Jadan, Khaki Takher and A.R. Chelyadinskii</i>	<i>On the Model of Ion-Implanted Phosphorus Diffusion in Si</i>	<i>Proceedings of the International Symposium (11ST, 97) in "Ion Implantation of Science and Technology In Semiconductors", pages.108-113, January (22-24) 1997</i>
4	<i>M. Jadan</i>	<i>New Model of Athermal Movement of an Interstitial Si Atoms in Si</i>	<i>Abstract of the First Conference in Materials Science-(CMS1), pp17. November (1-3) 1997</i>
5	<i>M. Jadan, A.R. Chelyadinskii</i>	<i>On the Mechanism of Enhanced Diffusion of Implanted Boron in Silicon</i>	<i>Abstract of Xth International Conference in "Ion Implantation Technology", pages (3.85), June (13-17) 1994</i>
6	<i>N. I. Berezhnov, A.R. Chelyadinskii, M. Jadan</i>	<i>Charge States of Interstitial Defects in Implanted Silicon and their Annealing Temperatures</i>	<i>Abstract of Xth International Conference in "Ion Implantation Technology", pp.(3.84), June (13-17) 1994</i>

Current Researches

#	Research Title	Name of Investigator(s)
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1	<i>Spectral-polarization structure of the VCSEL output radiation in vicinity of the polarization switching point", Journal of Applied Spectroscopy, Springer New York LLC, New York-USA, 2017, In Process</i>	<i>M. Jadan and L.I. Burov</i>
2	<i>Statistical properties of the VCSEL output radiation in vicinity of the polarization switching point. 1. Influence of the spontaneous noise", Journal of Applied Spectroscopy, Springer New York LLC, New York-USA, 2017, In Process</i>	<i>M. Jadan and L.I. Burov</i>
3	<i>Statistical properties of the VCSEL output radiation in vicinity of the polarization switching point. 2. carrier and current noise, Quantum Electronic, Moscow Russian Federation, 2017, In Process</i>	<i>M. Jadan and L.I. Burov</i>
4	<i>General method for lasing description inside semiconductor laser cavity, Quantum Electronic Moscow Russian Federation, 2017, In Process</i>	<i>M. Jadan and L.I. Burov</i>

Membership of Scientific and Professional Societies and Organizations

- An Active Member of New York Academy of Sciences ; (August 1994). New York, USA

Teaching Activities

I. Imam Abdulrahman Bin Faisal University, formerly: UOD:

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Optics-1	PHYS 203	36
2	Electronics-1	PHYS 307	36
3	Electronics-2	PHYS 308	36
4	Selected Subjects	PHYS 410	36
5	Mathematical Physics-1	PHYS 210	45
6	Mathematical Physics-2	PHYS 309	45
7	Electromagnetism-1:	PHYS 303	36
8	Solid State Physics I (Structure of Materials and Diffraction)	PHYS 406	45
9	Solid State Physics II (Introduction to Materials Science)	PHYS 504	45
10	Classical Mechanics-1	PHYS 301	45
11	Electromagnetism	PHYS 403	45
12	Selected Topics in Physics	PHYS 552	45
13	Physics Project Seminar	PHYS 509	20
14	Mathematics for Physical Sciences-1	PHYS 307	45
15	Mathematics for Physical Sciences-2	PHYS 308	45

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	Optics-1: Geometric Optics: Light Rays and Shadows, Reflection and Plane Mirrors: Image Formed by a Plane Mirror, Curved Mirrors: Focusing Spherical Mirrors, Diverging Spherical Mirrors, Refraction and Snell's Law: Fermat's Principle, Lenses: Converging Lenses, Diverging Lenses, Lens
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	Equations, Magnifier, Systems of Two or More Optical Elements, Human Eye, Camera, Microscope, Telescope , Fiber Optics, Laser Tweezers. Wave Optics: Introduction to wave Optics: Interference, Diffraction& Polarization
2	Electronics-1: DC & AC Circuits, Network Theorem: Superposition Theorem, Thevenin's Theorem, Norton's Theorem Semiconductor Devices & Applications
3	Electronics-2: Types of Transistors: a- BJT, b- FET, Feed Back & Oscillators, Amplifiers and Equivalent Circuits, Differential Amplifiers & Operational Amplifiers, Integrated circuits, Logic Circuits, Microprocessors & wireless circuits.
4	Selected Subjects in Physics: Electronic Elements: Diodes Biasing, Diodes Applications, Special Purpose Diodes, Zener Diodes, Bipolar J. Transistors (BJTs) Biasing, BJTs Applications, Diodes & Transistors validity, BJT Amplifiers, Electronic component codes in electronic circuits.
5	Mathematical Physics-1: Coordinate Systems, Vector analysis, Matrices, Differential Equations, Fourier Series.
6	Mathematical Physics-2: Complex Analysis, Partial Differential Equations, Special Functions, Fourier Transforms, Laplace Transforms
7	Electromagnetism-1: Vector Analysis, Electrostatics, Potentials, Electric Fields in Matter, Magnetostatics, Magnetic Fields in Matter, Electrodynamics.
8	Solid state Physics -1: Structure of Materials and Diffraction: The periodic table of the elements and interatomic bonds, Crystal structure and Crystallographic computations, Reciprocal space, Symmetries in crystallography and Point groups, X-ray diffraction, Other diffraction techniques.
9	Solid State Physics II (Introduction to Materials Science: Crystal dynamics: Lattice vibrations of one-dimensional monatomic & diatomic crystals, Thermal properties: The concept of phonons, the density of states and the heat capacity models for harmonic oscillators, Free electron theory of metals: Electrical conductivity & current density, Drude's model, heat capacity of electron gas, Hall effect, Sommerfeld model, Matthiessen Rule, Band theory & semiconductors: Bloch theorem, nearly free electron model, band structure, classification of crystalline solids into metals, insulators & semiconductors, types of semiconductors, transport properties of semiconductors, Hall effect and magnetoresistance effect, Electrical properties of insulators: Dielectric constant, polarization, ferroelectric, pyroelectric and piezoelectric materials, Magnetic properties: Magnetic susceptibility, diamagnetism, paramagnetism, ferrimagnetism, ferromagnetism, anti-ferromagnetism, Superconductors: Theory, magnetic properties, types, London equation, Josephson effects and the high-temperature superconductors.
10	Classical Mechanics-1: Vector algebra, Vector calculus, Dynamics of particles: Newton's laws, impulse, torque and angular momentum, Conservation of momentum, conservation of angular momentum, non-conservative forces, Plane constrained motion of particles, motion in a uniform fields, Rotating coordinate system, moving coordinate systems. differential operators, Motion of Rigid body.
11	Electromagnetism: This course is an advanced course of Electricity and magnetism that has been studied earlier in the early stage of this program. The course is meant to deeply investigate the characteristics of both electrostatics and magnetostatics fields in real dimension. The course also shed the light on the interaction between these two fields through the well-known Maxwell's equations. All laws that have been addressed earlier including Coulomb's law, Gauss's law, Biot-Svart's law, Ampere's law, Faraday's law and Lenz's law all will be given in advanced notation.



12	<p>Selected Topics in Physics: Selected Topics in Physics is an elective lecture course. It contains variable topics in physics that fulfill the students knowledge and guide them to choose the subfield for their future work, it is divided into six parts The first part is about the Automated advanced electronic experiments using specialized software, through which the student learns to design any electronic circuit using electrical electronic and digital elements. It will be of great use during his studies and after graduation.</p>
13	<p>Physics Project Seminar: This course is designed to complete the physics project seminar 1 and to designed to develop the student on the writing of reports, project work, and verbal communication of such results and to develop the student's ability to work effectively and to reinforce their responsibility for their learning. The main objectives of this course are:</p>
14	<p>Mathematics for Physical Sciences-1: COMPLEX NUMBERS, LINEAR ALGEBRA, CALCULUS OF VARIATIONS, VECTOR ANALYSIS, CURVILINEAR COORDINATE SYSTEMS</p>
15	<p>Mathematics for Physical Sciences-2: ORDINARY DIFFERENTIAL EQUATIONS, SPECIAL FUNCTIONS, SERIES SOLUTIONS OF DIFFERENTIAL EQUATIONS; LEGENDRE, BESSEL, HERMITE, AND LAGUERRE FUNCTIONS, FOURIER SERIES AND TRANSFORMS, PARTIAL DIFFERENTIAL EQUATIONS.</p>

Postgraduate

#	Course/ Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Material Physics- 1, (MSc)	PHYS 547	14 Lectures, 14Tutorial
2	Material Physics- 2, (MSc)	PHYS 546	14 Lectures, 14Tutorial
3	Crystallography & Crystal Growth, (MSc)	PHYS 544	14 Lectures, 14 Tutorial
4	<i>Solid State Physics</i> , (Ph.D.)	PHYS 601	28 Lectures, 14 Tutorial
5	<i>Solid State Defects</i> , (Ph.D.)	PHYS 621	28 Lectures, 14 Tutorial
6	<i>Semiconductor Materials</i> , (Ph.D.)	PHYS 604	28 Lectures, 14 Tutorial

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	Material Physics-1: Crystal Structure, Bravais Lattices, Bonds in Solids, Free Electron Theory, Lattice Dynamics, lattice vibration, heat capacity different models, Periodic Potentials And Energy Bands, Physics Of Semiconductors, Physics of Superconductivity.	M.Sc.
2	MaterialPhysics-2: Mechanical properties, Dielectric & Ferroelectrics, Diamagnetism & Paramagnetism, Ferromagnetism & Antiferromagnetism, Optical Properties, Technological Materials, Nanostructures	M.Sc.



3	Crystallography & Crystal Growth: Crystal Structure, Symmetry Elements in Crystalline Materials, Production and Properties of X-rays, X-ray Diffraction, Theoretical concept of crystal growth and growth techniques.	M.Sc.
4	Solid State Physics: Structure of Solids and Crystal Theory, X-Ray, Crystallography and the Reciprocal Lattice, Lattice Vibrations in two dimensions: Phonons, Free Electrons in Metals.	PhD
5	Solid State Defects: Point Defects, Intrinsic Point Defects in Stoichiometric Compounds, Extended Defects, Structural Aspects of Composition Variation, Defects and Diffusion, Intrinsic and Extrinsic Defects in Insulators: Ionic Conductivity.	PhD
6	Semiconductor Materials: The Crystal Structure of Solids, Semiconductor in Equilibrium; Energy Bands and Carrier Concentration in Thermal Equilibrium Carrier Transport Phenomena, p-n Junction Bipolar Transistors and Related Devices, MOSFET and Related Devices: MOS Capacitor and MOSFET, MESFET and Related Devices, Microwave Diodes; Quantum-Effect and Hot-Electron Devices, Light Emitting Diodes and Lasers.	PhD

II. Non-Imam Abdulrahman Bin Faisal University, (Formerly: Non-UOD):

No	COURSES		COURSES
1.	Semiconductor Physics	22.	General Physics (101)
2.	Solid State Physics (1)	23.	General Physics (102)
3.	Optics	24.	General Physics (103)
4.	Medical Physics	25.	Electric Circuits Lab. (I, II)
5.	Electric Circuits I	26.	Electricity and Electronics Lab.
6.	Electricity and Electronics	27.	General Physics Lab:(105,106,111,112)
7.	Electric Circuits II	28.	Electrical Workshop
8.	Analytical Mechanics	29.	Projects and Training Supervision
9.	Electromagnetic Theory	30.	Techniques in Physics Lab.
10.	Thermodynamics	31.	Electronics Lab.
11.	Digital Electronics	32.	Properties of Matters Lab
12.	Techniques in Physics	33.	Optics Lab
13.	Classical Mechanics	34.	General Physics 101 -(PHYS 221)
14.	AC Circuits	35.	General Physics 102 -(PHYS101)
15.	Intermediate Physics Lab	36.	General Physics 3 -(PHYS 203)
16.	Atomic and Nuclear Physics Lab	37.	General Physics -(PHYS 099)
17.	Electronic Circuits	38.	General Physics 101 -(PHYS 221)
18.	Electronics (1) & Electronics (2)	39.	Waves and Vibrations Lab
19.	Optics-I	40.	Material Physics-I PHYS 547 & PHYS 210



20.	<i>Mathematical Physics(1)</i>	41.	<i>Material Physics-II -PHYS 309</i>
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**Administrative Responsibilities, Committee and Community Service
(Beginning with the most recent)**

Administrative Duties, Councils, Committees and Current Job Duties

I. Imam Abdulrahman Bin Faisal University, Formerly: UOD:

#	From	To	Position	Organization
1	June 14, 2017	Till now	Head of Ph.D. Program in Theoretical Physics Saudi Arabia	Imam Abdulrahman Bin Faisal University, "Formerly/ Dammam University", College of Science, Department of Physics, Dammam, Saudi Arabia
2			Member of the Committee of Ph.D. Program in Material Physics	
3			Member of External Advisory Committee	
3	March 5, 2018	Till now	Chair of the Physics Department Qualifying Exam Committee	
4	Feb 20, 2018	Till now	<i>Ad-hoc Committees for Promotion to the rank of Professors at Saudi Arabia Universities</i>	
			Member of External Advisory Committee	
3	September 14, 2016	Till now	External Reviewer (International Journals)	
4			Member of the Advisory Committee	
5			Member of the Academic Development Committee	
6			Member of Tests Evaluation Committee	
7			<i>Membership on Examining Committees for Graduate Studies: M.Sc. in Physics by Roqayah Abdulkareem Madan Al-Mohsin, 2017. Title of Thesis: "Effect of Magnetic Nano-particle Inclusions on YBCO Polycrystalline Properties"</i>	
8	Nov 15, 2019		External Reviewer (International Journals): 1. <i>International Journal of Theoretical Physics (IJTP), SPRINGER</i> 2. <i>Experimental and Theoretical NANOTECHNOLOGY journal Acta Scientific Applied Physics, 2019</i>	
9	December 01, 2019		<i>Acta Scientific Applied Physics Journal EDITORIAL BOARD (Advisory Board member for AS Applied Physics</i>	

II. Non-Imam Abdulrahman Bin Faisal University, (Formerly: Non-UOD):

1. *Ad-hoc Committees for Promotion to the rank of Associate Professors at Tafila Technical University, for academic years (2009-2016), Tafila, Jordan.*
2. *Member of the Commission on Accreditation of scientific journals and Conferences, Accredited for the purpose of promotion (2014/2015, 2015/2016) Tafila, Jordan.*
3. *Membership on Examining Committees for Graduate Studies:*



- M.Sc. in Physics by **Fairooz Al-Aga**, 2005.
Title of Thesis: "Concentration of magnetic particles in Barium Ferrite systems containing Cobalt and Titanium", Al-al Bayt University, Jordan.
 - M.Sc. in Physics by **Saif Al-Dalaeen**, 2013.
Title of Thesis: "Influence of wavelength and Temperature Changes on Optical Properties of Liquids and Liquid Mixtures: Empirical Formulas", Mu'tah University, Jordan.
 - M.Sc. in Physics by **Mohammad Al-Dmour**, 2014.
Title of Thesis: "Physical Properties Empirical Relation and Thermal Gradient of Olive-Corn Oils Mixtures and Olive- Acetone Solutions", Mu'tah University, Jordan.
 - M.Sc. in Physics by **Abdulaziz Suayyem Alshrari**, 2015
Title of Thesis: "A Review of Constraints within the Canonical Hamiltonian Approach", Mu'tah University, Jordan.
 - M.Sc. in Physics by **Roqayyah Abdulkareem Madan Al-Mohsin**, 2017.
Title of Thesis: " Effect of Magnetic Nano-particle Inclusions on YBCO Polycrystalline Properties", Imam Abdulrahman Bin Faisal University/ Formerly: Dammam University, KSA
4. Acting Dean, Faculty of Science, Tafila Technical University, since 04/09/2011, for academic years (2011/2012& 2012/2013), Tafila, Jordan.
 5. Director of Research Unit, Jazan University Research Center, Jazan University, for the academic year (2008/2009), Jazan, KSA.
 6. Chairman of the committee for setting the Jazan University (KSA), scientific Research center for law and regulations, for the academic year (2008/2009), Jazan, KSA.
 7. Head of Science Department, Tafila Applied University College, Al-Balqa Applied University, for the academic year (2002/2003), Tafila, Jordan.
 8. Dean's Council Member, Tafila Technical University, for academic years (2011/2012 & 2012/2013), Tafila, Jordan.
 9. Appointment and promotion Council Member, Tafila Technical University, for academic years (2011/2012), Tafila, Jordan.
 10. University Council Member, Tafila Technical University, for academic years (2011/2012 & 2012/2013), Tafila, Jordan.
 11. Reviewer for Scientific Proposals, Jordanian Scientific Research Support Fund, Amman-Jordan.
 12. Strategy-Plan Council Member, Tafila Technical University, for academic years (2011/2012 & 2012/2013), Tafila, Jordan.
 13. University Academic Research Council Member at Tafila Technical University, for academic years 2011/2012& 2012/2013), Tafila, Jordan.
 14. Director of Faculty of Science Council at Tafila Technical University for academic years (2011/2012 & 2012/2013), Tafila, Jordan.
 15. Primary Disciplinary Council Member for University Members at Tafila Technical University, for the academic year (2011/2012), Tafila, Jordan.
 16. Primary Disciplinary Council Member for Faculty Members at Tafila Technical University, for the academic year (2012/2013), Tafila, Jordan.



17. *Chairman of the Supreme Committee for Students' Problems Investigation, Tafila Technical University, for the academic year (2010/2011), Tafila, Jordan.*
18. *Chairman of the Faculty of Science Council, Tafila Technical University, for academic years (2011/2012 & 2012/2013), Tafila, Jordan.*
19. *Advisory Committee, Faculty of Science, Tafila Technical University, for academic years (2011/2012, 2012/2013 & 2014/2015), Tafila, Jordan.*
20. *Research Committee, Faculty of Science, Tafila Technical University for academic years (2005/2006, 2013/2014 & 2014/2015).*
21. *Research Committee, Faculty of Science, Tafila Technical University for academic years (2000-2006 & 2009-2014).*
22. *The Curriculum Committee, Faculty of Science, Tafila Technical University for academic years (2000-2006 & 2009-2014).*
23. *The Library Committee, Faculty of Science, Tafila Technical University for academic years (2000-2006 & 2009-2014).*
24. *The Council Secretary, Faculty of Science, Tafila Technical University for the academic years (2002/2003).*
25. *The Social Committee, Faculty of Science, Tafila Technical University for the academic years (2005/2006).*

ملاحظات	نوع التكليف	التكليف بمهام على مستوى
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	<p>القسم</p>	
<p>---</p>	<p>● عضو لجنة التخطيط الاستراتيجي وإدارة المخاطر في قسم الفيزياء، كلية العلوم، جامعة الإمام عبد الرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية، (2021-2023م).</p> <p>● عضو لجنة تطوير المناهج في قسم الفيزياء، كلية العلوم، جامعة الإمام عبد الرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية، (2021-2023م).</p> <p>● عضو لجان مناقشة رسائل طالبات الدراسات العليا، قسم الفيزياء-كلية العلوم- جامعة الإمام عبد الرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية (2019-2023م).</p> <p>● عضو لجنة المقابلة الشخصية لمرشحي برنامج الدراسات العليا، (2019-2023م)</p> <p>● عضو لجنة وضع أسئلة مرشحي برنامج الدراسات العليا/ دكتوراة ، جامعة الإمام عبد الرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية، (2019-2023م).</p> <p>● لجنة الدراسات العليا، قسم الفيزياء-كلية العلوم- جامعة الإمام عبد الرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية (2016-2023م).</p> <p>● مقيم داخلي للامتحانات، قسم الفيزياء-كلية العلوم- جامعة الإمام عبد الرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية (2019-2023م).</p> <p>● عضو لجنة مبادرة الرخصة المهنية المتعلقة بالمقررات في قسم الفيزياء، كلية العلوم، جامعة الإمام عبد الرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية، (2021-2022م).</p> <p>● عضو لجنة إدارة البرامج في قسم الفيزياء، كلية العلوم، جامعة الإمام عبد الرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية، (2021-2022م).</p> <p>● عضو لجنة تحكيم لجنة الملصق العلمي: Second International Webinar on Science, Sustainable Development</p>	



and Ecosystems in KSA, (Students Scientific Poster Day)

، جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام ، سابقاً، الدمام، المملكة العربية السعودية، (2020-2022م).

● عضو لجنة الاستقطاب لأعضاء هيئة التدريس ومن في حكمهم، جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية (2022-2019م).

● عضو اللجنة الاستشارية الخارجية، قسم الفيزياء-كلية العلوم- جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية (2022-2019م).

● لجنة معادلة المقررات الدراسية، جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية (2018-2022م).

● لجنة التطوير والجودة- تطوير البرامج الاكاديمية،(جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية (2022-2019).

● رئيس لجنة اختيار أفضل مشروع تخرج، قسم الفيزياء-كلية العلوم- جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية (2022-2019م).

● رئيس لجنة مراجعة خطة برنامج ماجستير الفيزياء في علم المواد، جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية (2022-2019م).

● عضو لجنة مناقشة الخطط الدراسية لطالبة الدكتوراة في قسم الفيزياء، جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية (2022-2019م).

● عضو لجنة مقابلات حملة الماجستير المتقدمين للقبول في برنامج الدكتوراة، جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام سابقاً،



- الدمام، المملكة العربية السعودية
(2019-2022م).
- منسق برنامج تطوير برنامج دكتوراه الفيزياء النظرية، قسم الفيزياء-كلية العلوم- جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية
(2019-2022م).
- منسق برنامج تطوير برنامج دكتوراه فيزياء المواد، قسم الفيزياء-كلية العلوم- جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية
(2019-2022م).
- عضو لجنة التطوير الأكاديمي، قسم الفيزياء- كلية العلوم- جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية
(2019-2022م).
- عضو لجنة تقييم الاختبارات، قسم الفيزياء-كلية العلوم- جامعة الامام عبدالرحمن بن فيصل/ جامعة الدمام سابقاً، الدمام، المملكة العربية السعودية
(2019-2022م).



	<p>● ر. اللجنة الفرعية/ لجنة الجودة والتطوير الاكاديمي</p> <p>● انشاء MC- Course = مقرر الكترونيات =</p> <p>● انشاء MC- Course = مقرر جوامد-1 =</p> <p>● انشاء MC- Course = مقرر كهرومغناطيسية =</p>	
<p>-- --</p>	<p>● تحكيم الملصق العلمي، ضمن فعاليات الندوة دولية عبر الإنترنت حول العلوم والتنمية المستدامة والنظم البيئية في المملكة العربية السعودية 2021.</p> <p>● محكم للعديد من البحوث العلمية في عدة مجلات علمية عالمية محكمة ومفهرسة ومنها:</p> <ul style="list-style-type: none"> ■ <u>Journal of solid state chemistry,</u> ELESEVIER, ■ <u>Journal of Low Temperature</u> <u>Physics</u> , SPINGER ■ <u>International Journal of</u> <u>Theoretical Physics, SPINGER</u> ■ <u>Optica Applicata</u> ■ <u>Acta Scientific Applied Physics</u> <ul style="list-style-type: none"> ■ مجلة أبحاث جامعة مؤتة-الأردن ■ عضو لجنة تقييم المشاريع البحث العلمي المقدمة من أعضاء هيئة التدريس في الجامعات الأردنية/ وزارة التعليم العالي الأردنية. ■ محكم خارجي للعديد من الترقيات الاكاديمية (رتبة أستاذ واستاذ مشارك) في الجامعات العربية. ■ محكم خارجي للعديد من الترقيات الاكاديمية (رتبة أستاذ واستاذ مشارك) في جامعات المملكة العربية السعودية (جامعة القصيم وجامعة الطائف وجامعة الاميرة نورة، الهيئة الملكية للجبل وبنبع). ■ الاشتراك كمحكم ومناقش داخلي وخارجي للعديد من رسائل طلبة الدراسات العليا. 	<p>الكلية</p>



	<ul style="list-style-type: none"> ● تحكيم الملصق العلمي، ضمن فعاليات الندوة دولية عبر الإنترنت حول العلوم والتنمية المستدامة والنظم البيئية في المملكة العربية السعودية 2021. ● محكم للعديد من البحوث العلمية في عدة مجلات علمية عالمية محكمة ومفهرسة ومنها: <ul style="list-style-type: none"> ▪ <u>Journal of solid state chemistry, ELSEVIER,</u> ▪ <u>Journal of Low Temperature Physics , SPINGER</u> ▪ <u>International Journal of Theoretical Physics, SPINGER</u> ▪ <u>Optica Applicata</u> ▪ <u>Acta Scientific Applied Physics</u> ▪ مجلة أبحاث جامعة مؤتة-الأردن ▪ عضو لجنة تقييم المشاريع البحث العلمي المقدمة من أعضاء هيئة التدريس في الجامعات الأردنية/ وزارة التعليم العالي الأردنية. ▪ محكم خارجي للعديد من الترقيات الأكاديمية (رتبة أستاذ واستاذ مشارك) في الجامعات العربية ▪ محكم خارجي للعديد من الترقيات الأكاديمية (رتبة أستاذ واستاذ مشارك) في جامعات المملكة العربية السعودية "جامعة القصيم، جامعة الطائف، جامعة الأميرة نورة). ▪ تحكيم الملصق العلمي، ضمن فعاليات الندوة الدولية عبر الإنترنت حول العلوم والتنمية المستدامة والنظم البيئية في المملكة العربية السعودية 2021. 	<p>الجامعة</p>
	<ul style="list-style-type: none"> ▪ تزويد المؤسسات العلمية بمكتبة الكترونية للكتب العلمية. ▪ تحكيم الملصق العلمي، ضمن فعاليات الندوة الدولية عبر الإنترنت حول العلوم والتنمية المستدامة والنظم البيئية في المملكة العربية السعودية 2021-2023. 	<p>المشاركة في بنك المسؤولية المجتمعية</p>