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Personal Information	<ul style="list-style-type: none">▪ Gender: Female▪ Status: Married▪ City: Riyadh▪ Country: Kingdom of Saudi Arabia
Education	<ul style="list-style-type: none">▪ Bachelor degree in Physics. King Saud University, Riyadh-Saudi Arabia. Date of graduation: 1416 H. GPA: 4.74 out of 5, Excellent grading with Second degree of Honor.▪ Master degree in Theoretical Physics. King Saud University, Riyadh-Saudi Arabia. Date of graduation: 1420H. GPA: 4.52▪ PH.D degree in Theoretical Physics. King Saud University, Riyadh-Saudi Arabia. Date of graduation:1429 H.
Scientific Researches	<ul style="list-style-type: none">▪ Bachelor degree research: "LASER Usage in Ophthalmology".▪ Master degree research: "The Low Temperature Behavior of Quantum Systems in Terminal Equilibrium".▪ PH.D degree research: "Neutrino Masses and Oscillations".
Occupations	<ul style="list-style-type: none">▪ Lecturer assistant at Physics Department-Science College, King Saud University. From 1418 H to 1421H.▪ Lecturer at Physics Department-Science College, King Saud University. From 1421H to 1429H.▪ Assistant Professor at Physics Department-Science College, King Saud University. From 1429H up to date.▪ Vice head of Physics Department- Science College, King Saud University from 1430 H to 1434H.▪ Vice Dean of College of Science, King Saud University from 1437 H to 1441H.▪ Peer Advisor in the deanship of skills development at King Saud University.▪ Main Supervisor of the International Mawhiba Program with King Abdulaziz and His Companions Foundation for Giftedness and Creativity in 2017 and 2018.

<p style="text-align: center;">Training</p>	<ul style="list-style-type: none"> ▪ ICDL Certificate from New Horizons Computer Learning Centers. ▪ Smart board workshop from Deanship of E-learning and distance learning in King Saud University. ▪ English language training program at George Mason University in USA for one year (2010-2011). ▪ Leadership Development Career Studies Certificate from Northern Virginia Community College (NOVA) in USA for one year (2012-2013).
<p style="text-align: center;">Participation and Conferences</p>	<ul style="list-style-type: none"> ▪ Participated at the third meeting of the Saudi Physics Society in King Abdulaziz City for Sciences and Technology at 18-20/12/2006 with a working paper: "Neutrino Masses and Mixing from Modified Zee Condition" ▪ Participated at the Young Investigators Symposium (YIS) in College of science-Research Center in King Saud University at 8 / 6 / 2009 with a working paper: "Neutrino Masses and Oscillations". ▪ Attended a workshop in INLN at Sophia antipolis-France during 18-20/1/2010: "Winter workshop on non- perturbative quantum field theory". ▪ Attended American Physical Society's March Meeting in Boston, USA, February 27-March 02, 2012. ▪ Participated at Qias exams for both high school and university levels. ▪ collaborated with Mawhiba at 2016. ▪ In addition to attending many conferences, seminars and workshops.

Published Papers

- **"Textures with two traceless submatrices of the neutrino mass matrix"**
H.A.Alhendi, E.I.Lashin and *A.A.Mudlej*, *Phys. Rev.*, 0708, (2008).
- **"Virtual black holes from the generalized uncertainty principle and proton decay"**
Salwa Alsaleh, *Abeer Almodlej* and Ahmed Farag Ali, *EPL*, 118 (2017).
- **"Ab-Initio Investigations of Magnetic Properties and Induced Half-Metallicity in Ga_{1-x}Mn_xP (x=0.03,0.25,0.5 and 0.75) Alloys"**
Amel Laref, *Abeer Almodlej*, Slimane laref, JunTao Yang, Yong-Chen Xiong and Shi Jun Luo, *Materials* (2017), 10, 766.
- **"Effect of solvents on optical band gap of silicon-doped graphene oxide"**
Qura Tul Ain, *Abeer Al-Modlej*, Abeer Alshammari and Muhammad Naem Anjum, *Materials Research Express* 00 (2018).
- **"Energy levels and oscillator strengths for carbon isoelectronic sequence from C I to Ne V"**
A.Al-Modlej, R.A.B. Alraddadi and N. Ben Nessib, *Eur. Phys. J. Plus* (2018).
- **"Study of a saturation point to establish the doping density limit of silicon with graphene oxide"**
Q.T Ain, N Bano, *A Al-Modlej*, A Alshammari, I Hussain, *Materials Science in Semiconductor Processing* (2019).
- **"Proton decay and the quantum structure of space-time"**
A Al-Modlej, S Alsaleh, H Alshal, AF Ali , *Canadian Journal of Physics* (2019).
- **"Dose-dependent cytotoxicity of polyethylene glycol loaded nano-graphene oxide in cultured cerebral cortical cells"**
QT Ain, SH Haq, *A Al-Modlej*, A Alshammari, S Ahmed, *-Materials Research Express* (2019).

Published Papers

- **"Combination of light-driven co-delivery of chemodrugs and plasmonic-induced heat for cancer therapeutics using hybrid protein nanocapsules"**
E Villar-Alvarez, A Cambón, A Pardo, L Arellano, AV Marcos, B Pelaz, P Del Pino, A Bouzas Mosquera, VX Mosquera, A *Almodlej*, G Prieto, S Barbosa, P Taboada, *Journal of Nanobiotechnology* (2019).
- **"Cubic anisotropic Co and Zn substituted ferrite nanoparticles as multimodal magnetic agents"**
Alberto Pardo, Susana Yañez, Yolanda Piñeiro, Ramón Iglesias-Rey, *Abeer Al-Modlej*, Silvia Barbosa, Jose Rivas, Pablo Taboada, *ACS Applied Materials & Interfaces* (2020).
- **"On the Stark broadening of some Cr II spectral lines in plasma"**
A Almodlej, N Alwadie, NB Nessib, MS Dimitrijevic , *Contrib. Astron. Obs. Skalnaté Pleso* (2020).
- **"Atomic structure of the carbon like ion Ca XV"**
N Alwadie, *A Almodlej*, NB Nessib, MS Dimitrijevic , *Contrib. Astron. Obs. Skalnaté Pleso* (2020).
- **"On the applications of the modified semiempirical method for Stark broadening: the example of the alkali like ion Sr II"**
Abeer Almodlej, Najah Alwadie, Nabil Ben Nessib and MS Dimitrijevic, *The European Physical Journal D* (2021).
- **" The fully relativistic multi-configuration Dirac-Hartree-Fock method for atomic structure calculations for multiply charged ions: The example of Ca XV"**
Najah Alwadie, *Abeer Almodlej*, Nabil Ben Nessib, MS Dimitrijevic, *The European Physical Journal D* (2021).

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