



# Taqwa Jamal Aqel

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## Professional Experience

<b>Ibn Sina University For Medical Sciences</b> Physics Lecturer	<b>12/22 - present</b>
<b>University of Jordan, Amman, Jordan</b> Part time lecturer - Department of Physics	<b>09/19 - 01/20</b>
<b>University of Jordan, Amman, Jordan</b> Lab supervisor, Department of Physics	<b>02/14 - 09/15</b>

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## Education

<b>The University of Jordan</b> PhD. Degree in Physics/Theoretical Nuclear Physics - 3.96 out of 4 rating - Excellent	<b>08/19</b>
<b>The University of Jordan</b> M.Sc. Degree in Physics/ Experimental Material Physics - 3.94 out of 4 rating - Excellent	<b>08/13</b>
<b>The University of Jordan</b> B.Sc. Degree in Physics - 3.96 out of 4 rating - Excellent	<b>01/11</b>

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## Conferences and workshops

- Workshop for Young scientists on 1-2/ April/ 2014, University of Jordan, Amman.
- Humboldt kolleg Jordan 2014 - Building International Networks for enhancement of research in Jordan, 3-5/ April / 2014, Amman, Jordan.

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## Scholarships, Honors, and Awards

- PhD scholarship for distinguished students, scientific research support fund, Jordan, (2015-2018).
- MS.c scholarship for distinguished students, scientific research support fund, Jordan, (2011-2013).
- Scientific Distinction Award in Physics, The University of Jordan, 2011.
- Higher Education Grant for the Top student in Physics Department, Ministry of higher education and scientific research, Jordan, (2008-2011).
- Scientific Distinction Award in Science, The University of Jordan, 2008.

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## Publications

- "A nonlocal optical model for neutron scattering from light 1p-shell nuclei" T. Aqel, M.I. Jaghoub, Nuclear Physics A 989, 145-167 (2019).
- "A nonlocal optical potential with a Gaussian nonlocality for proton elastic scattering off light 1p-shell nuclei" T. Aqel, M.I. Jaghoub, The European Physical Journal A 56, 216 (2020).
- "Nonlocal optical model for deuteron elastic scattering" M. Utoom, M.I. Jaghoub, T. Aqel Canadian Journal of Physics 2021-0380 (2022).