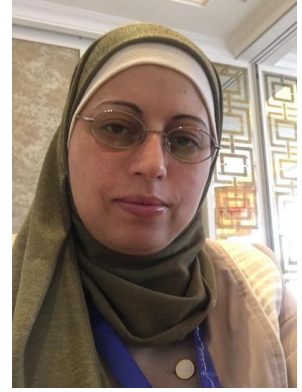


Curriculum Vitae



Dr. Manal J. Abdallah

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Short Biography

Dr. Manal Abdallah received her Bachelor and Master degrees from Yarmouk University in 1999 and 2009 respectively. She worked as Lab instructor at Yarmouk University from 2009 till 2011. Between 2012 and 2015, Manal was a Ph.D. candidate and research assistant at New Mexico State University where she received her PhD degree in Physics with excellent distinction in December 2015 with a 3.92/4.0 GPA as well. Her research interests focused on studying the Parton (quark/gluon) structure of hadrons and nuclei to understand the role of non-perturbative Quantum Chromodynamics (QCD) from medium energy to high-energy scattering experiments. As well as studying Generalized Parton Distributions (GPDs) functions to parameterize the quark/gluon aspects of nucleon structure in high-energy Compton scattering. And studying different powers of moments twist-3 Parton Distribution Functions (PDFs) as transverse force and force gradient acting on the active quark in Polarized Deep Inelastic scattering (DIS) experiments. Besides, she is working on studying radiation levels of radioactive nuclei and the activity concentration using Gamma ray spectroscopy and Alpha ray spectroscopy.

<i>Personal Information</i>	Name	Manal J. Abdallah
	Date & Place of Birth	11/14/1977, Irbid, Jordan
	Gender	Female
	Nationality	Jordanian
	Marital Status	Married
	No. of kids	Four
	Address	Physics Department Faculty of Science, Yarmouk University Irbid 21163, Jordan
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	E-mail	manalj@yu.edu.jo manal.jamal@yahoo.com
<i>Language</i>	Arabic: Native language. English: Excellent reading, writing, and speaking.	
<i>Education</i>	Doctorate of Philosophy New Mexico State University, NMSU, 2015 Nuclear Physics GPA: 3.92/4 (Excellent, Good Standing).	
	Master of Science New Mexico State University, NMSU, 2013 Nuclear Physics GPA: 4/4 (Excellent, Good Standing).	
	Master of Science Yarmouk University, Irbid, Jordan, 2009 Physics GPA: 91.4% (Excellent)	
	Bachelor of Science Yarmouk University, Irbid, Jordan, 1999 Physics GPA: 89.2% (Excellent)	

	<p>General Secondary Certificate, Scientific Track, 1995 Noor Al-Husien Secondary School. GPA: 94.9% (Excellent)</p>
<i>Research Interests</i>	High Energy Physics/ Elementary Particles.
	Gamma and Alpha Ray Spectrometry.
<i>Professional Experience</i>	Assistant Professor, (January 2016 – now), Department of Physics, Yarmouk University, Irbid, Jordan.
	Graduate Assistant (research and teaching), Department of Physics, New Mexico State University, New Mexico State, USA, (January, 2012-October, 2015).
	Physics Instructor, Department of Physics, Yarmouk University, Irbid, Jordan, (September, 2009- October, 2011).
	A Member in the Jordanian Committee for Preparing Teachers' Learning Material- Queen Rania AL Abdullah Academy (2008/2009) under the supervision of a Group of American Experts from Colombia University.
	A Physics Teacher in Jordanian Ministry of Education-Secondary School (July, 1999- August, 2009).
<i>Skills and Courses</i>	ICDL, which includes the following: Microsoft Office Word, Windows, IT., Microsoft Office Access, Microsoft Office Power Point, Microsoft Office Excel, Internet.
	Intel, Teach to the future, under the supervision of Microsoft, including the design of instructional software.
	STIC (School Technology Innovation Center) using Microsoft Technologies. The course included the following: Microsoft Power Point 2003, Microsoft Picture Manager, Microsoft Windows Movie Maker, Microsoft Producer for Power Point, 2003.
	A Training Course under the Supervision of a Panel of American Professors from Colombia University to Prepare a Training Material to Train Teachers.
	ERFKI, A Course in Educational Development towards Knowledge

<i>Skills and Courses</i>	Management (ERFKI): Employing Advanced Technologies in Education and Information Technologies.
	A Special Course for Distinguished Teachers in Bani Kenana' Educational District to Discuss Current Curricula and Comment on New Performance Assessment Based Curricula.
	A Course in Achievement Tests and Question Bank.
	Training Courses in Teaching Methods" e.g. Direct Instruction, Group Learning, Deduction, Diagnostic Assessment, Performance Based Assessment".
	Mathematica Program software.
	Civil Defense Course
	Course in Advanced Basic
	PASCAL Course
<i>Awards</i>	Outstanding Academic Achievement Award, 2015, for the PhD degree (New Mexico State University).
	Preparing Future Faculty Graduate Assistantship Award, March, 2013, Graduate School, New Mexico State University.
	A scholarship to peruse M.S. and Ph.D. degrees at New Mexico State University, USA, 2012-2015 (Sponsor: Yarmouk University, Jordan).
	Queen Rania Award for Distinguished Teacher, 2006, First Tournament: Second Place in the 4 th Category for Secondary School Teachers.
	An Appreciation from Minister of Education for Selecting me a Member in the Designing Team for Preparing Teachers' Training Materials.
	An Award from Ministry of Education, for Distinguished Teachers, 2006.
	An Award from Bani Kenana' Educational Directorate, 2006.
	Three Certificates from Principal of Malka Secondary School for Gils for Distinguished Performance.
	An Award from Head of Yarmouk University for Distinguished Students, 1999.
	Four Certificates from Faculty of Science for the first-place student, Yarmouk University, Jordan, (1995-1999).

<p style="text-align: center;"><i>Awards</i></p>	<p>A scholarship to peruse Bachelor degree at Yarmouk University, Jordan, 1995-1999 (Sponsor: Ministry of Education, Jordan).</p>
	<p>An Award from Irbid Secondary School for Boys for First Ten Students in the General Secondary Certificate.</p>
<p style="text-align: center;"><i>Teaching Experience</i></p>	<ul style="list-style-type: none"> • PHYS 101, General Physics I. • PHYS 102, General Physics II. • PHYS 104, General Physics (IT. Students). • PHYS 105, General Physics Lab I. • PHYS 106, General Physics Lab II. • PHYS 251, Modern Physics I. • PHYS 352, Quantum Physics I. • PHYS 353, Quantum Physics II. • PHYS 441, Nuclear physics I. • PHYS 641, Nuclear physics I.
<p style="text-align: center;"><i>Publications</i></p>	<p>(1) Abdallah, M., Al-Tamimi, W., Salameh, A., and Alamir, S. (2022). Performance, Measurements, and Potential Radiological Risks of Natural Radioactivity in Cements Used in Jordan. Jordan Journal of Civil Engineering. Volume 16 Number 1.</p> <p style="text-align: right;">Received on 23-6-2021. Accepted on 3-11-2021.</p> <p>(2) Kharisat, K., Abdallah, M., Abumurad, K., Al-Jundi, J., Altamimi, M., and Okoor, S. (2021). Radiological characterization of oil shale in Wadi Alshallal – Jordan using gamma ray spectrometer. Fresenius Environmental Bulletin, 30, 12.</p> <p style="text-align: right;">Received on 7.2.2020 Accepted on 4.3.2021</p> <p>(3) Abdallah, M., Hamash, K., Okoor, S., and Kharisat, K. (2020). Radioactivity measurements of medical reagent samples used in clinical laboratories in Jordan. Fresenius Environmental Bulletin, 29,12, P10392.</p> <p style="text-align: right;">Received on 22-1-2020. Accepted on 14-9-2020.</p>

	<p>(4) Okoor, S., Abumurad, K., Ababneh, E., Abdallah, M., and Tawalbeh, A. (2019). Natural radioactivity concentrations and dose assessment in selected medicinal plants consumed in Jordan. Fresenius Environmental Bulletin, 28, 7, p. 5179.</p> <p>Received on 16-10-2018. Accepted on 13-4-2019.</p> <p>(5) Abdallah, M., Eyadeh, M., Hamadneh, H., Akour, A., Hawamdeh, M., and Almaaitah, I. (2019). Radiological characterization of settled dust during a severe dust episode in Jordan. Jordan Journal of Physics, 12, 2, p. 183.</p> <p>Received on 25-9-2018. Accepted on 28-1-2019.</p> <p>(6) Hamadneh, H., Eyadeh, M., Abdallah, M., and Al-Khdirat, O. (2017). Estimation of Natural and Anthropogenic Exposures to Gamma Ray from a High Agricultural Area in Jordan" Bani-Kananah District". Jordan Journal of Physics, 10, 3, p. 117.</p> <p>Received on 26-12-2016. Accepted on 20-7-2017.</p> <p>(7) Abdallah, M. and Burkardt, M. (2016). Transverse force on transversely polarized quarks in longitudinally polarized nucleons. "Phys. Rev. D, 94,9, 094040. https://arxiv.org/abs/1610.01166.</p>
<i>Workshops</i>	<p>Attended the "E-learning Workshop (Elementary & Advanced Level), Yarmouk Faculty Development Center, 2017/2018</p> <p>Attended the "Questionmark Perception Workshop " Yarmouk Faculty Development Center, 2017/2018</p> <p>Attended the "New Faculty Members Workshop" at Yarmouk Faculty Development Center, 2016/2017.</p>
<i>Funded Projects</i>	<p>2020: Determination of Po-210 in the Ma'assel used in waterpipe smoking (Shisha) in Jordan. Supported by the Deanship of Research and Graduate Studies at Yarmouk University, Irbid, Jordan (grant no. 68/2020).</p> <p>2019: Measurement of optical properties of aerosols in urban, suburban, rural and remote locations in Jordan. Supported by the Deanship of Research and Graduate Studies at Yarmouk University,</p>

	<p>Irbid, Jordan. (grant no. 18/2019).</p> <p>2017: Radioactivity measurements in Medical Samples Using Gamma Ray Spectrometry." Supported by the Deanship of Research and Graduate Studies at Yarmouk University, Irbid, Jordan (grant no. 28/2017).</p>
<p style="text-align: center;"><i>References</i></p>	<p>Professor Matthias Burkardt. Physics Department New Mexico State University Las Cruces, New Mexico State, USA burkardt@nmsu.edu http://physics.nmsu.edu/people/facstaff/MatthiasBurkardt.html</p>
	<p>Professor Stefan Zollner Physics Department New Mexico State University Las Cruces, New Mexico State, USA zollner@nmsu.edu http://physics.nmsu.edu/people/facstaff/StefanZollner.html</p>
	<p>Professor Mahmoud Al-Kofahi Dept. of Math, Physics, & Computer Science Baker University Baldwin City, Kansas, USA mahmoud.al-kofahi@bakerU.edu https://www.bakeru.edu/directory/name/mahmoud-al-kofahi/</p>
	<p>Dr. Anas M. Ababneh Physics Department Yarmouk University Irbid, Jordan ababneha@yu.edu.jo https://faculty.yu.edu.jo/ababneha</p>
	<p>Dr. Abdul Raouf M. Al Deary Physics Department Yarmouk University Irbid, Jordan abedali@yu.edu.jo http://faculty.yu.edu.jo/AElAli/SitePages/Home.aspx</p>

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