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Position Associate Professor A

Department of Physics

Faculty of Science,

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Research gate: [https://www.researchgate.net/profile/Mahmoud\\_Abu-Kharma](https://www.researchgate.net/profile/Mahmoud_Abu-Kharma)

Google scholar

[https://scholar.google.com/scholar?hl=en&as\\_sdt=0%2C5&q=M.+abu-Kharma&btnG=](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=M.+abu-Kharma&btnG=)



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### Education

2005	<b>Doctor of Philosophy</b> , Molecular Physics , , Memorial University of newfound land, St Johns, Canada <ul style="list-style-type: none"><li>• <b>Collision-induced absorption of the first overtone bands of H<sub>2</sub> and D<sub>2</sub></b>, S. Paddy Reddy</li><li>• Yes/ Spectroscopy, Statistical Mechanics Quantum mechanics, Atomic and molecular physics</li></ul>
2002	<b>Master of Science</b> , Solid State Physics, Memorial University of newfound land, St Johns, Canada <ul style="list-style-type: none"><li>• Investigation or the Elastic Properties or LiKSO<sub>4</sub>. Single Crystals as a Function or Temperature and Pressure, Guy Quirion</li></ul>
1974	<b>Bachelor of Science</b> , Physics, Jordan University, Amman, Amman, Jordan

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### Research Experience

2000-2005	<b>Graduate student</b> , Memorial University of Newfound Land and Labrador, St. John's, Canada
2006-2017	<b>Assistant Prof</b> , Al Balqa applied University, Amman, Jordan
2018-Now	<b>Associate Prof</b> , Al Balqa applied University, Asalat, Jordan

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### Teaching Experience

1990-2000	<b>Teaching Assistance</b> , Mutah University, Al Karak, Jordan
2000-2005	<b>Teaching Assistance</b> , Memorial University of Newfound Land and Labrador, St. John's, Canada
2006-Now	<b>Assistance Associate Prof.</b> , Al Balqa applied University, Asalat, Jordan

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**Awards and Special Achievements:**

1974	King Husain awards
2002,2000	Scholarship to study
2005	Fellowship

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**Academic Memberships:**

2002-2005	IOP
٢٠١٢	الجمعية العلمية لاعجاز القرآن والسنة
Dates	Memberships

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**Recent Publications**

1	<b><u>The Collision-Induced Absorption Spectra of Hydrogen Complexes in the Second Overtone Band</u></b> 2019
2	Analysis of the collision induced absorption spectra in the second overtone band region of H <sub>2</sub> -H <sub>2</sub> at 298 K 2015
3	معنى التمييز بين طول المسار و البعد فيما بين السماء والارض ٢٠١٧

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**Conferences/ Workshops/ Seminars:**

6-11 June 2010	The 20 <sup>th</sup> International Conference on Spectral Line Shapes Memorial University. St John's, Canada
22-26 March 2004	APS, Montreal/ Canada
22-23 Feb. 2005	Memorial University of Newfoundland, GSU (Aldrich)

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**Supervised Doctoral & Master Theses:**

2020	Master عاهد محمود الفاعوري تحضير جزيئات أكسيد النحاس النانوية بطريقة صديقة للبيئة وخضراء باستخدام المستخلص المائي لاوراق نبتة الجهنمية تطبيقات الخلايا الشمسية
Dates	Al-Balqa Applied University Doctoral Student name, Title, University

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