



## Mustafa Mohammed Hawamdeh

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### Education

2010	<b>Doctor of Philosophy</b> , Physics, The University of Jordan, Amman, Jordan. <ul style="list-style-type: none"><li>"<i>Thermodynamic Properties of some nanosystem like Fullerene</i>"</li></ul>
2003	<b>Master of Science</b> , Physics, Jordan University, Jordan. <ul style="list-style-type: none"><li>"<i>The Theoretical Aspects of Compton scattered densitometry</i>" Faculty of Sciences, Unive Jordan, (August 2003).</li></ul>
1997	<b>Bachelor of Science</b> , Physics. Yarmouk University, Jordan

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### Teaching Experience

2013- now	Assistant prof. in Al-Balqa Applied University
2012 - 2013	Assistant prof. in Umm Al-Qura University
2010 - 2012	Assistant prof. in Zarqa University
1997 - 2010	Physics Teacher in the Ministry of Education since

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### Recent Publications

- 1 Gamma radiation effect on physical properties of 2, 9-Bis [2-(4-chlorophenyl) ethyl] anthrax [2, 1, 9-def: 6, 5, 10-d' e' f'] diisoquinoline-1, 3, 8, 10 (2H, 9H) tetrone films  
SI Qashou, SE Al Garni, AAA Darwish, MM Hawamdeh, A Aldrabee  
Optik 170, 540-547
  - 2 Effect of Gamma Radiation Induced on Structural, Electrical, and Optical Properties of N, N'-Dimethyl-3,4,9, 10-Perylenedicarboximide Nanostructure Films  
AAA Darwish, SI Qashou, Z Khattari, MM Hawamdeh, A Aldrabee, ...  
Journal of Electronic Materials 47 (12), 7196-7203
  - 3 The quantum second virial coefficient of  $^3\text{He}$  at low density in the temperature range 0.005–10 K  
OT Al-Obeidat, AS Sandouqa, BR Joudeh, HB Ghassib, MM Hawamdeh
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- Canadian Journal of Physics 95 (12), 1208-1214
- 4 A comprehensive study of the second virial coefficient of low-density  $^{84}\text{Kr}$  vapor in the temperature range 0.01–700 K  
AS Sandouqa, BR Joudeh, OT Al-Obeidat, MM Hawamdeh, HB Ghassib  
The European Physical Journal Plus 135 (2), 161
- 5 The classical and quantum second virial coefficient of low-density  $^{132}\text{Xe}$  vapor in the temperature-range 0.1 mK–30 000 K  
MMHHBG O T Al-Obeidat, A S Sandouqa, B R Joudeh  
Physica Scripta 95 (1), 015401
- 6 Thermodynamic properties of graphene using the static fluctuation approximation (SFA)  
MM Hawamdeh, MK Al-Sugheir, AS Sandouqa, HB Ghassib  
Canadian Journal of Physics 95 (3), 211-219
- 7 Dielectric Properties and AC Conductivity of Organic Films of Copper (II) 2, 9, 16, 23-Tetra-tert-butyl-29 H, 31 H-phthalocyanine  
AAA Darwish, SR Alharbi, MM Hawamdeh, AM Alsharari, SI Qashou  
Journal of Electronic Materials 49 (3), 1787-1793
- 8 Radiological Characterization of Settled Dust during a Severe Dust Episode in Jordan  
MMHIFA Manal J. Abdallah, Molham M. Eyadeh, Hamed H. Hamadneh, Abdulrahman N ...  
Jordan Journal of Physics 12 (2), 183-189
- 9 The dynamical behavior of Josephson tunneling particles attributed to the initial values of imbalance  
MM Hawamdeh, SI Qashou  
Chinese journal of physics 54 (6), 912-920
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