**Curriculum Vitae**

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| **1.Personal Information** |
| **Name** | **Amer Dakheel Al-Oqali** |
| **Nationality** | **Jordanian** |
| **Contact Information** | **Physics Department - Mu'tah University - Al-Karak- Jordan.**  **Email:** **aoqali@mutah.edu.jo****ameralaqali@yahoo.com** |

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| **2.Academic Qualifications** |
|  | **University** | **Year** | **Country** | **Major** |
| **B.A** | **Mu'tah University** | **2002** | **Jordan**  | **Physics**  |
| **M.A**  | **Mu'tah University** | **2004** | **Jordan**  | **Experimental Physics**  |
| **Ph.D** | **University of Jordan**  | **2010** | **Jordan** | **Condense Matter Physics**  |

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| **3.Research and Teaching Interests** |
| General physics 101 (teaching)  |
| General physics 102 (teaching**)**  |
| Modern physics 1 (teaching**)** |
| Electromagnetic theory (teaching**)** |
| Thermodynamics ( teaching**)** |
| Statistical Mechanics (teaching**)** |
| Mathematical physics1 (teaching**)** |
| Classical Mechanics 2 (teaching**)** |
| **Research** **Interest:** Worm Algorithm Monte Carlo technique. Low Temperature Gases. |

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| **4.Publication** |
| 1. **Books**
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| 1. **Articles**
 |
|  **Title** |  **journal** | **Date** | **Vol. & No.** | **Pages** |
| **Effectiveness of the statistical potential in the description of fermions in a worm-algorithm path-integral Monte Carlo simulation of 3He atoms placed on a 4He layer adsorbed on graphite.**  | **Phys. Rev. E** | **2012** | **85** | **016702** |
| **Worm Algorithm Path Integral Monte Carlo Applied to the 3He–4He II Sandwich System**  | **International Journal of Modern Physics B** | **2012** | **Vol. 26, No. 31** | **1250173** |
| **Fractional Formulation of Higgs Lagrangian Density**,  | **American Journal of Scientific Research** | **2015** | 105 | 41-46 |
| **Heisenberg Equations for Real Scalar Fields with** $λ ϕ^{3}$ **Interactions.**  | **Sci. Int.(Lahore)**  | **2016** | **28(3)** | **2249-2252** |

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| **5.Patents** |
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**السيرة الذاتية**

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| 1. **المعلومات الشخصية**
 |
| **عامر دخيل العقيلي**  | **الاسم** |
| **الاردنية**  | **الجنسية** |
| **قسم الفيزياء , جامعة مؤتة , الكرك , الاردن** **aoqali@mutah.edu.jo** **الايميل****ameralaqali@yahoo.com** | **معلومات الاتصال** |

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| 1. **المؤهلات العلمية**
 |
| **التخصص**  | **الدولة**  | **السنة** |  **الجامعة** |  |
| **فيزياء**  | **الاردن**  | **2002** | **مؤته**  | **البكالوريوس** |
| **فيزياء تجريبية**  | **الاردن**  | **2004** | **مؤتة**  | **الماجستير** |
| **فيزياء الحالة المكثفة**  | **الاردن**  | **2010** | **الاردنية**  | **الدكتوراه** |

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| 1. **الاهتمامات البحثية والتدريسية**
 |
| **الخوازمية " الدودية"/ تقنيات مونتي كارلو**  |
| **الغازات عند درجات الحرارة المنخفضة**  |
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| 1. **المنشورات**
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| 1. **الكتب**
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| **ب.الابحاث** |
| **الصفحات** | **العدد والمجلد** | **تاريخ النشر** | **المجلة** | **العنوان** |
| **016702** | **85** | **2012** | **Phys. Rev. E** | **Effectiveness of the statistical potential in the description of fermions in a worm-algorithm path-integral Monte Carlo simulation of 3He atoms placed on a 4He layer adsorbed on graphite.**  |
|  | **Vol. 26, No. 31** | **2012** | **International Journal of Modern Physics B** | **Worm Algorithm Path Integral Monte Carlo Applied to the 3He–4He II Sandwich System** |

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| 1. **براءات الاختراع**
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