**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**](mailto:aoqali@mutah.edu.jo)  [**ameralaqali@yahoo.com**](mailto: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 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**](mailto:aoqali@mutah.edu.jo) **الايميل**  [**ameralaqali@yahoo.com**](mailto: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** |
| 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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