





جامعة سبها/ كلية العلوم الهندسية والتقنية/ قسم الهندسة الميكانيكية والصناعية

## سيرة ذاتية

الاسم الرباعي: أبوبكر اعويدات سالم  
المؤهل العلمي: دكتوراه  
التخصص الأكاديمي: الهندسة الميكانيكية  
بلد الحصول على المؤهل: بريطانيا  
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روابط اضافية:

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|  | <a href="https://www.researchgate.net/profile/abwbkr_awydat">https://www.researchgate.net/profile/abwbkr_awydat</a>                             |
|  | <a href="https://scholar.google.com/citations?user=qoQ2Mo0AAAAJ&amp;hl=ar">https://scholar.google.com/citations?user=qoQ2Mo0AAAAJ&amp;hl=ar</a> |

### ✓ المؤهلات العلمية:

| الدرجة العلمية | اسم الجهة العلمية المانحة للدرجة | السنة | مجال التخصص                      |
|----------------|----------------------------------|-------|----------------------------------|
| البكالوريوس    | كلية الهندسة-جامعة طرابلس        | 1989  | الهندسة الميكانيكية - قوى حرارية |
| الماجستير      | جامعة ليفيربول-بريطانيا          | 1994  | استغلال الطاقة                   |
| الدكتوراه      | جامعة ليفيربول-بريطانيا          | 1998  | قياسات                           |

### ✓ الخبرة العملية:

| من سنة | إلى سنة | المكان                                     | طبيعة العمل                            |
|--------|---------|--|--|
| 1999   | 2008    | كلية العلوم الهندسية والتقنية - جامعة سبها | رئيس قسم الهندسة الميكانيكية والصناعية |
| 2008   | الآن    | كلية العلوم الهندسية والتقنية - جامعة سبها | عضو هيئة تدريس                         |

### ✓ المنشورات العلمية:

#### الكتب

1. طارق جيجان، أبوبكر اعويدات سالم، هندسة التبريد، جامعة سبها، 2005

#### الاوراق المنشورة

1. A Numerical Study of the Flow Within Vortex Shedding Flow meters. 1999 ASME Fluids Engineering Division Summer Meeting, July 18-22 San Francisco, USA
2. A creation of mathematical model for photovoltaic/thermal (PV/T) solar flat-plate collector, International conference on renewable energy for regional development CIGT section IV, held from 28-31 August 2001 in Bogor, Indonesia.
3. Progression of solar desalination systems (Arabic experience), Dubai international conference on water resources and integrated management in the third millennium 2002, held from 02-06 February 2002, Dubai, UAE.
4. Power system status and renewable energy potential in Libya, The second symposium on scientific research outlook in the Arabic world 2002, Scientific research and technology development in the Arabic world, held from 24-27 March 2002, Sharjah, UAE.

5. Numerical Study of free convection heat transfer through porous medium surrounds a rectangular isothermal body. Second International Conference on Energy Research & Development. Kuwait 6-8 Apr. 2002.
6. The utilization concept of the thermal storage in solar heating systems, International forum on renewable energies (FIRE 2002), held from 08-11 May 2002, Tetuan, Morocco, pp. 389-394.
7. Solar energy and energy conservation in buildings, 1st International congress of mechanics, held from 14-16 December 2002, Constantine, Algeria.
8. Optimization procedure of the working fluid mass flow rate trough a flat-plate solar collector in domestic solar heating systems, Symposium on renewable energies in hot climate regions, held from 30-31 October 2002, Hoon, Libya.
9. Evacuation roof-type still solar desalination system, Evacuation in renewable energy technology conference held from 19-23 April 2003, Pakistan.
10. Availability of renewable energy in Sebha city as a model for southern part of Libya, International conference of energy and environment, held from 14-15 October 2003, Brack, Libya.
11. Mathematical modelling of solar tracking system, International conference of energy and environment, held from 14-15 October 2003, Brack, Libya.
12. An Investigation of NO<sub>x</sub> Dispersion from Stacks of Libyan Power Plants, Zeyad Prize, International pollution, conference, Dubai, 15-19 February 2004.
13. Potential and exploitation of renewable energy resources in Libya, The 3rd International Conference on Fuel Conservation in Building, Tehran-Iran, February 17-18, 2004, V3, pp. 50-66.
14. The reliability of the photovoltaic utilization in Southern cities of Libya, the 8th Arab international solar energy conference & Regional world renewable energy congress, held from 08-10 March 2004, Kingdom of Bahrain.
15. Second generation of solar desalination systems, the 8th Arab international solar energy conference & Regional world renewable energy congress, held from 08-10 March 2004, Kingdom of Bahrain.
16. Economic Analysis for the Power Production Unit of the Conventional Fired Fossil-Fuel Power Plants Involving the Environmental Impacts. 21-23 June 2004 the Fifth Regional Conference of the Arab Countries National Committees. (CIGRE).
17. A creation of new tracking system by using the photovoltaic cells, World renewable energy congress VIII, held from 28 August to 03 September 2004, Denver, Colorado, USA.
18. The Choice of Solar Energy in the Field of Electrical Generation – Photovoltaic or Solar Thermal - For Arabic Region. World Renewable Energy Congress VIII. Denver, Colorado, USA August 28- September 3, 2004.
19. The ground as a source of heating and cooling, World renewable energy congress VIII, held from 28 August to 03 September 2004, Denver, Colorado, USA.
20. Shadow effect on the arrangement of Solar Conversion Systems in Solar Fields, World Renewable Energy Regional Congress & Exhibition 2005, Jakarta, Indonesia 17-21 April 2005.
21. An Investigation of the Separated and total losses in bends, International Conference on Recent Advances in Mechanical & Materials Engineering (ICRAMME2005), 30-31 may 2005, Kuala Lumpur, Malaysia.
22. An Investigation of NO<sub>x</sub> Dispersion from Libyan power plants, the 2<sup>nd</sup> International Exergy, Energy and Environment Symposium (IEEEES2), 3-7 July 2005, Kos-Greece.
23. Experimental Investigation On Forced Convection Heat Transfer For Turbulent Flow Of Moist Air Inside Heated Pipe, Third International Conference on Energy Research and Development (ICERD-3), November 21-23, 2005, Kuwait.

24. An Investigation Of Pollutants Dispersion From Libyan Power Plants, Third International Conference on Energy Research and Development (ICERD-3), November 21-23, 2005, Kuwait.
25. Evaluation of Instantaneous Shading in Solar Fields of Flat-Plate Collectors, World Renewable Energy Congress IX & Exhibition, 19-25 August 2006, Florence- Italy.
26. Experimental Investigation of Forced Convection Heat Transfer for Turbulent Air Flow Inside Horizontal Heated Pipe, HEFAT2007, 5<sup>th</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Sun City, South Africa.
27. The Analysis of Natural Convection in Rectangular Porous Cavities with four Squared Isothermal Bodies, HEFAT2007, 5<sup>th</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Sun City, South Africa.
28. Study of the Separated and Total Losses in Bends, HEFAT2007, 5<sup>th</sup> International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Sun City, South Africa.
29. Nassar Y., Salem A. Evaluation of the underground soil thermal storage, **Renewable Energy** [Volume 31, Issue 5](#), April 2006, 593–598. (Cited publication)
30. Nassar Y., Salem A. The reliability of the photovoltaic utilization in Southern cities of Libya, **Desalination** 209 (2007), 86–90. doi:10.1016/j.desal.2007.04.013 (Cited publication)
31. Yasser Fathi Nassar, Saib A. Yousif, Abubaker Awidat Salem. The Second generation of solar desalination systems, **ELSEVIER, ScienceDirect, Desalination** 209 (2007), 177–181. doi:10.1016/j.desal.2007.04.039. (Cited publication)

✓ الاهتمامات البحثية:

Solar radiation modelling, and optimization of solar System.