



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

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✓ المؤهلات العلمية:

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✓ المنشورات العلمية:

الكتب

1. هندسة الطاقة الشمسية - التطبيقات الحرارية الفعالة، جامعة سبها، 2006

الاوراق المنشورة

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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. (Cited publication)
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_x 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.

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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 NOx Dispersion from Libyan power plants, **the 2nd International Exergy, Energy and Environment Symposium (IEEES2)**, 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.
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27. The Analysis of Natural Convection in Rectangular Porous Cavities with four Squared Isothermal Bodies, HEFAT2007, **5th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics**, Sun City, South Africa.
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✓ الاهتمامات البحثية:

Solar radiation modelling, and optimization of solar System.

✓ المهام الإدارية:

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57. Yasser Fathi Nassar, Mansour Awiedat Salem, Kaiss Rateb Iessa, Ibraheem AlShareef, Khalid Amer Ali and Massoud Ali Fakher, Estimation of CO2 Emission Factor for the Energy Industry Sector in Libya: A Case Study.
58. Yasser F. Nassar Mohammad J. Abdunnabi, Mohamed N. Sbeta, Ahmad A. Hafez, Khaled A. Ali, Abdualaziez Y. Ahmed, Basim Belgasim, Dynamic analysis and sizing optimization of a pumped hydroelectric storage-integrated hybrid PV/Wind system: A case study.
59. Yasser Fathi Nassar and Said Belhaj, View Factors in Horizontal-Plane Fixed-Mode Solar PV Fields.
60. Yasser Fathi Nassar, Said Belhaj and Mohammad J. Abdunnabi, A general regression model for optimum tilt angle of flat-plate solar harvesters.