



CURRICULUM VITAE



1. PERSONAL INFORMATION

NAME : **NASSAR** Yasser Fathi
DATA OF BIRTH : October 29th 1968
NATIONALITY : Palestinian
MARTIAL STATUS : Married
PRESENT POSITION : Director of the postgraduate studies and training office
Executive Director of Wadi Alshatti University Journals group
PRESENT ADDRESS : Engineering Faculty
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Keywords: Solar energy; Hybrid Renewable energy systems; Energy and Built Environment; Energy management; Optimization processes; **Air Pollution.**

2. EDUCATION QUALIFICATIONS

Degree	Year	University	Subject
Bachelor of Eng. Science	1985-1990	Tripoli University, Tripoli – Libya	Power engineering
Master of Science (M.Sc.)	1994-1995	Moscow Power Engineering Institute (Technical University), Moscow – Russia	Heat technologies
Doctor of Philosophy (Ph.D.)	1996-2000	Moscow Power Engineering Institute (Technical University), Moscow – Russia	Solar heating systems

3. TEACHING EXPERIENCE

3.1. Undergraduate courses:

1. Heat and mass transfer;
2. Thermodynamics;
3. Computer programming;
4. Air conditioning;
5. Solar energy engineering.

3.2. Postgraduate courses:

1. Advanced numerical analysis;
2. Advanced solar energy engineering;
3. Advanced conductive heat transfer;

4. POSITIONS:

- 4.1. Head of the mechanical and industrial engineering department, since 01/ 07/2018 to 01/03/2022.

4.2. Director of the Office of Postgraduate Studies and Training at the Faculty of Engineering - Wadi Al-Shatti University, since 1st March to date.

4.3. Executive Director of Wadi Al Shati University Journals, since 15th December 2022 to date

5. PUBLICATIONS & ACTIVITIES

5.1. Publications in conferences:

1. Y. Nassar, E. Sergievsky. Heat transfer in flat-plate solar air heating collector, Heat Transfer 2000 "the sixth international conference on advanced computational methods in heat transfer", held from 26-28 June 2000 in Madrid, Spain, pp. 575-584. <http://www.witpress.com>.
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_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.
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. p. 534. <https://www.nrel.gov/docs/gen/fy04/36703.pdf>
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_x 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.

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, 5th 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, 5th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Sun City, South Africa.
28. Study of the Separated and Total Losses in Bends, HEFAT2007, 5th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Sun City, South Africa.

5.2. Publications in Journals:

29. Nassar Y. Simulation of solar tracking system, *Energy and Life Journal*, 21, March 2005, Tripoli- Libya, 81-90. (Arabic language).
30. Yousif S.A., Salem A.A., Nassar Y.F., Bader I.F. Investigation of pollutants dispersion from power stations, *International Journal of Energy Research*, 30:15, 2006, 1352–1362, DOI: 10.1002/er.1225.
31. Yasser Fathi Nassar, Abubaker Awidat Salem, The reliability of the photovoltaic utilization in southern cities of Libya, *Desalination*, vol. 209, no 1–3, pp. 86-90, 2007 <https://doi.org/10.1016/j.desal.2007.04.013>
32. Time Tracking of the Shadow in the Solar Fields, *Sebha University Journal*, 2008, 43-58.
33. Nassar Y., Salem A. Evaluation of the underground soil thermal storage, **Renewable Energy** Volume 31, Issue 5, April 2006, 593–598. doi:10.1016/j.desal.2007.04.013.
34. 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.
35. Nassar Yasser Fathi, Sharif Mohamed Alamen. Economic and energetic analysis for optimizing the length of flat-plate solar air heating collectors, **Applied Mechanics and Materials** Vols. 446-447 (2014), Trans. Tech. Publications, Switzerland, 810-816. <http://www.scientific.net/AMM.446-447.810>.
36. I take a part in **Specialized Collections**, launched in 2015, which include selected papers on the most advanced technological trends from Trans. Tech. Publications, database in materials science and engineering. *Solar Energy: Engineering of Solar Energy Systems*, pp.2358-2378.
37. Nassar Y. Thermodynamics analysis and optimization procedure for domestic solar water heating system, **AASCIT**, *American Journal of Energy and Power Engineering*, 2015, 2(6), 92-99. <http://www.aascit.org/journal/ajepe>
38. Nassar Y., Amer K., Irhouma M., Ahmad S. Economical and Environmental Assessment of Electrical Generators: A Case Study of Southern Region of Libya, **AASCIT, International Journal of Energy Policy and Management**, 2016, 1(4), 64-71. <https://www.researchgate.net/publication/340917574>
39. Yasser Fathi Nassar, Samer Yassin Alsadi. Economical and Environmental Feasibility of the Renewable Energy as a Sustainable Solution for the Electricity Crisis in the Gaza Strip, **International Journal of Engineering Research and Development**, Volume 12, Issue 3 (March 2016), pp.35-44. <http://www.ijerd.com/pages/v12i3.html>
40. Samer Yassin Alsadi, Yasser Fathi Nassar. Correction of the ASHRAE clear sky model parameters based on solar radiation measurements in the Arabic countries, **International Journal of Renewable Energy Technology Research**, Vol. 5, No. 4, July 2016, 1-16. http://www.ijretr.org/IJRETR_Vol.5.No.4.July2016/
41. Samer Yassin Alsadi, Yasser Fathi Nassar, Amer Khaled Ali. General polynomial for optimizing the tilt angle of flat solar energy harvesters based on ASHRAE clear-sky model in mid and high latitudes, **Energy and Power**, Scientific & Academic Publishing, Vol. 6, No. 2, September 2016. <http://www.sapub.org/journal/currentissue.aspx?journalid=1018>.
42. Nassar, Y., Alsadi, S. View factors of flat solar collectors array in flat, inclined and step-like solar fields, **Journal of Solar Energy Engineering, ASME Trans.**, 2016. <https://doi.org/10.1115/1.4034549>.
43. Samer Yassin Alsadi, Yasser Fathi Nassar. Energy demand based procedure for tilt angle optimization of solar collectors in developing countries, **Journal of Fundamentals of Renewable Energy and Applications**, 2017, 7: 225. DOI: 10.4172/2090-4541.1000225
44. Samer Yassin Alsadi, Yasser Fathi Nassar. A numerical simulation of a stationary solar field augmented by plane reflectors: optimum design parameters, **Smart Grid and Renewable Energy**, 2017, Vol.8, No.7, 221-239. <http://www.scirp.org/journal/sgre/>.
45. Nassar Y, Aissa K, Alsadi S. Estimation of Environmental Damage Costs from CO₂e Emissions in Libya and the Revenue from Carbon Tax Implementation, **Low Carbon Economic**, 2017, 8, pp. 118-132. <http://m.scirp.org/papers/81307>.

46. Nassar Y, Aissa K, Alsadi S. Air Pollution Sources in Libya. **Research & Reviews: Journal of Ecology and Environmental Sciences**, Volume 6, Issue 1, January - March, 2018, pp. 63-79. <http://www.rroj.com/open-access/air-pollution-sources-in-libya.php?aid=86543>.
47. Nassar Y., Alsadi S. Assessment of solar energy potential in Gaza Strip-Palestine, **Sustainable Energy Technologies and Assessments**, 2019, vol. 31, pp. 318-328. <https://www.doi.org/10.1016/j.seta.2018.12.010>.
48. Alsadi S., Nassar Y. A general expression for the shadow geometry for fixed mode horizontal, step-like structure and inclined solar fields, **Solar Energy** 181 (2019), pp. 53–69, <https://doi.org/10.1016/j.solener.2019.01.090>.
49. Nassar Y., Alsadi S. Wind energy potential in Gaza Strip-Palestine state, **Solar Energy and Sustainable Development**, Volume (7), No (2), Dec. 2018, pp. 41-57. <https://doi.org/10.51646/jesd.v7i2.40>
50. Samer Yassin Alsadi, Yasser Fathi Nassar. Estimation of Solar Irradiance on Solar Fields: An Analytical Approach and Experimental Results. **IEEE Transactions on Sustainable Energy**, Volume: 8, Issue: 4, October 2017, pp. 1601-1608, <https://doi.org/10.1109/TSST.2017.2697913>
51. Yasser Fathi Nassar, Samer Yassin Alsadi, Khalid Amer Ali, Abdalaziz Hassan Yousef, and Massoud Ali Fakher. Numerical analysis and optimization of area contribution of the PV cells in the PV/T flat-plate solar air heating collector, **Solar Energy Research Update**, vol. 6, 2019, pp. 43-50. <http://www.zealpress.com/jservuv6a5/>.
52. Hafez A, Nassar Y, Hammdan M, Alsadi S. Technical and economical feasibility of utility-scale solar energy conversion systems in Saudi Arabia, **Iranian Journal of Science and Technology, Transactions of Electrical Engineering**, 44, 2020, pp. 213-225. <https://doi.org/10.1007/s40998-019-00233-3>.
53. Hafez, A., Alsadi, S., Nassar, Y., Chaotic Optimization Versus Genetic Algorithm for Optimal Tuning of Static Synchronous Series Compensator Stabilizing Controller, (2019) **International Review of Electrical Engineering (IREE)**, 14 (3), pp. 159-172. <https://doi.org/10.15866/iree.v14i3.16163>
54. Yasser F. Nassar, Ahmad Hafez and Samer Alsadi, Multi-Factorial Comparison for Twenty-Four Distinct Transposition Models for Inclined Surface Solar Irradiance Computation, Study Case: State of Palestine, 2019, **Frontiers in Energy Research, Solar Energy**. <https://doi.org/10.3389/fenrg.2019.00163>.
55. Nassar, Y.F. Analytical-numerical computation of view factor for several arrangements of two rectangular surfaces with non-common edge, **International Journal of Heat and Mass Transfer** 159 (2020), <https://doi.org/10.1016/j.ijheatmasstransfer.2020.120130>.
56. Yasser F. Nassar, Mohammad J. Abdunnabi, Mohamed N. Sbeta, Ahmad A. Hafez, Khaled A. Amer, Abdulaziz Y. Ahmed, Basim Belgasim, Dynamic analysis and sizing optimization of a pumped hydroelectric storage-integrated hybrid PV/Wind system: A case study, **Energy Conversion and Management** 229 (2021). <https://doi.org/10.1016/j.enconman.2020.113744>.
57. Y. Nassar, M. Salem, K. Iessa, I. AlShareef, K. Amer, M. Fakher. "Estimation of CO₂ Emission Factor for the Energy Industry Sector in Libya: A Case Study." *Environment, Development and Sustainability*, vol. 23, pp. 13998-14026, 2021. [doi:10.1007/s10668-021-01248-9](https://doi.org/10.1007/s10668-021-01248-9).
58. Ali A., Karram E., Nassar Y., Hafez A., 2021. Reliable and economic isolated renewable hybrid power system with pumped hydropower storage. **The IEEE 22ed international Middle East power systems conference (MEPCON 2021)**, Assiut University, Assiut-Egypt. doi: 10.1109/MEPCON50283.2021.9686233
59. H. Awad, Y.F. Nassar, A. Hafez, M. K. Sherbiny, A. Ali, 2022. Optimal design and economic feasibility of rooftop photovoltaic energy system for Assuit University, Egypt, **Ain Shams Engineering Journal**: 13 (3), pp. 763-774. [doi:10.1016/j.asej.2021.09.026](https://doi.org/10.1016/j.asej.2021.09.026)
60. Y. F. Nassar, H.J. El-Khozondar, S. Belhaj, S.Y. Alsadi, N. Abuhamoud, 2022. View Factors in Horizontal-Plane Fixed-Mode Solar PV Fields, **Frontiers in Energy Research**: 10 (859075). doi: 10.3389/fenrg.2022.859075
61. Y.F Nassar, S. Belhaj, S.Y. Alsadi, H.J. El-Khozondar, 2022. Analysis of the View Factors in Rooftop PV Solar, **The IEEE 3rd International Conference on Smart Grid and Renewable Energy (SGRE)**, 22-24 March, 2022, Doha, Dubai. doi: 10.1109/SGRE53517.2022.9774104
62. Y. F. Nassar, S.Y. Alsadi, H.J. El-Khozondar, S. S. Refaat, 2022. Determination of the Most Accurate Horizontal to Tilted Sky-Diffuse Solar Irradiation Transposition Model for the Capital Cities in MENA Region, **The IEEE 3rd International Conference on Smart Grid and Renewable Energy (SGRE)**, 22-24 March, 2022, Doha, Dubai. doi: 10.1109/SGRE53517.2022.9774146
63. Y. F. Nassar, N. M. Abuhamoud, G. M. Miskeen, H. J. El-Khozondar, S.Y. Alsadi, O. M. Ahwidi, 2022. Investigating the Applicability of Horizontal to Tilted Sky-Diffuse Solar Irradiation Transposition Models for Key Libyan Cities, **2022 IEEE 2nd International Maghreb Meeting of the conference on Sciences and Techniques of Automatic control and computer engineering (MI-STA 2022)**, 23-25 May 2022 Sabratha-Libya. Doi: [10.1109/MI-STA54861.2022.9837500](https://doi.org/10.1109/MI-STA54861.2022.9837500)

64. M. Salem, A. Alzarga, A. Alnash, O. Sharif, Y. Nassar, 2022. Evaluation of the environmental impacts resulting from the spread of various industrial activities and fuel stations in the northwestern region of the coast extending from Tajoura in the east to Maya in the west and south to Qasr Bin-Ghashir and Al-Azez, **Journal of Pure & Applied Sciences**, 21(1), pp. 62-71 , <https://doi.org/10.51984/jopas.v21i1.1762>
65. Y. F. Nassar, S. Y. Alsadi, G. M. Miskeen, H. J. El-Khozondar and N. M. Abuhamoud, "Mapping of PV Solar Module Technologies Across Libyan Territory," **2022 Iraqi International Conference on Communication and Information Technologies (IICCIT)**, Basrah, Iraq, 2022, pp. 227-232, doi: 10.1109/IICCIT55816.2022.10010476.
66. Y. F. Nassar, S.Y. Alsadi, G. M. Miskeen, H. J. El-Khozondar, N. M. Abuhamoud, 2022. Atlas of PV Solar Systems Across Libyan Territory. **2022 International Conference on Engineering & MIS (ICEMIS)**, Istanbul, Turkey, 04-06 July 2022. <https://doi.org/10.1109/ICEMIS56295.2022.9914355>
67. H.J. El- Khozondar, Y.F. Nassar, R.J. El-Khozondar, T. Djerafi, 2022. Simulation Results for the PV Cell Based on the Photonic Crystal, **Optik**, 270, 169966. <https://doi.org/10.1016/j.jlleo.2022.169966>.
68. Y.F. Nassar, S.Y. Alsadi, H.J. El-Khozondar, M.S. Ismail, M. Al- Maghalseh, T. Khatib, J.A. Sa'ed, M.H. Mushtaha, T. Djerafi, 2022. Design of an Isolated Renewable Hybrid Energy System: A Case Study, **Materials for Renewable and Sustainable Energy**, vol.11, no. 3: 225-240. <https://doi.org/10.1007/s40243-022-00216-1>
69. Yasser F. Nassar, Ahmad A. Hafez, Said Belhaj, Samer Y. Alsadi, Mohammad J. Abdunnabi, Basim Belgasim, Mohamed N. Sbeta, 2022. A Generic Model for Optimum Tilt Angle of Flat-plate Solar Harvesters for Middle East and North Africa Region, **Applied Solar Energy**, 58 (6), pp. 800-812. <https://doi.org/10.3103/S0003701X22060135>
70. H.J. El- Khozondar, F. El-batta, R.J. El-Khozondar, Y.F. Nassar, M. Alramlawi, S. Alsadi, Standalone hybrid PV/Wind/Diesel electric generator system for a COVID-19 Quarantine Center, **Environmental Progress & Sustainable Energy**, , vol.42, no.3, e14049, 2023. <https://doi.org/10.1002/ep.14049>
71. Abdelbari A. Marimi, Wedad Elost, Yasser F. Nassar, Yusef Khalifa, Mohamed Elfleet, **2023**. Life Cycle Assessment of 20 MW Wind Farm in Libya. **Applied Solar Energy**, 59 (1), pp. 64-78, <https://doi.org/10.3103/S0003701X22601557>
72. A. Abdalla, W. El-Osta, Y. F. Nassar, W. Husien, E. I. Dekam, G. M. Miskeen, 2023. Estimation of Dynamic Wind Shear Coefficient to Characterize Best Fit of Wind Speed Profiles under Different Conditions of Atmospheric Stability and Terrains for the Assessment of Height-Dependent Wind Energy in Libya, **Applied Solar Energy**, 59 (3), pp. 343–359, 2023. DOI: 10.3103/S0003701X23600212
73. Mohammad Abdunnabi, Najmi Etiab, Yasser F. Nassar, Hala J. El-Khozondar, Rohit Khargotra, 2023. Energy savings strategy for the residential sector in Libya and its impacts on the global environment and the nation economy, *Advances in Building Energy Research*, vol.17, no. 4, pp. 379-411, 2023. DOI:10.1080/17512549.2023.2209094.
74. Ahmed A. Makhzom, Abdallah M. Eshdok, Yasser F. Nassa, Samer Y. Alsadi, Tareq H. Foqha, Mansour A. Salem, Ibraheem M. AlShareef, Hala J. El-Khozondar, 2023. Estimation of CO₂ emission factor for Power Industry Sector in Libya. The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine. DOI: 10.1109/ieCRES57315.2023.10209528
75. Mohammad A. Eteriki, Wedad A. El-Osta, Yasser F. Nassar, Hala J. El- Khozondar, 2023. Effect of Implementation of Energy Efficiency in Residential Sector in Libya, The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine. DOI: 10.1109/ieCRES57315.2023.10209521.
76. Ahmed Abd El Baset Abd El Halim, Yasser F. Nassar, Ehab H. E. Bayoumi, Hala J. El- Khozondar, 2023. Fast Charging of Lithium-ion Battery for Electric Vehicles Applications, The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine. DOI: 10.1109/ieCRES57315.2023.10209433
77. Rifa J. El-Khozondar, Hala J. El-Khozondar, Yasser F. Nassar, 2023. Efficiency improvement of Ag-doped CdSe quantum dot sensitized solar cells, The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine. DOI: 10.1109/ieCRES57315.2023.10209498
78. Yasser F. Nassar, Khalid A. Amer, Hala J. El- Khozondar, Abdussalam Ali Ahmed, Abdulgader Alsharif, Mohamed Mohamed Khaleel, 2023. Thermoelectrical Analysis of a New Hybrid PV/T Flat-Plate Solar Collector. The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine, pp. 1-5, doi: 10.1109/ieCRES57315.2023.10209472.
79. Hala J. El-Khozenadar, M.A.Albardawil, M.S. Asfour, I. N. Abu-Khater, Yasser F. Nassar, 2023. DC off-Grid PV System to Supply Electricity to 50 Boats at Gaza Seaport. The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine, pp. 1-5, doi: 10.1109/ieCRES57315.2023.10209467.
80. Mustafa A Emheisen, Abdussalam Ali Ahmed, Triwiyanto Triwiyanto, Yasser Fathi Nassar, 2023. Performance Evaluation of PID and MPC for Analysis of Vehicle Handling. The 8th International Engineering Conference

- on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine , pp. 1-5, doi: 10.1109/ieCRES57315.2023.10209529.
81. Abdussalam Ali Ahmed, Hisham.F. A. Ramadhan, Mohamed El Malki, Yasser Fathi Nassar, 2023. Modeling and Control of a half Car Active Suspension System using Sliding Mode Controller and Linear Quadratic Regulator Controller. The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine, pp. 1-7, doi: 10.1109/ieCRES57315.2023.10209435.
 82. Hilmy Awad, Gculisiwe Magagula, Yasser Nassar, Hala J. El- Khozondar, Ehab H.E. Bayoumi, 2023. Fuzzy Controller for a Unity-Power Factor Boost Converter in Three-Phase Induction Motor Drives Applications. The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine. DOI: 10.1109/ieCRES57315.2023.10209432
 83. Hala J. El-Khozenadar, Mohamed Elnaggar, Yasser F. Nassar, Ahmed Omar Ellouh, Mahmoud Walid Alghaffari, Hamza Bassam Nassar, 2023. Linear Fresnel collector (LFC) for enhancing solar water desalination process. The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine. DOI: 10.1109/ieCRES57315.2023.10209535
 84. Yasser F. Nassar, Hala J. El- Khozondar, Nassir M. Abohamoud, Ahmed A. Abubaker, Abdussalam Ali Ahmed, Abdulgader Alsharif, Mohamed Mohamed Khaleel, 2023. Regression Model for Optimum Solar Collectors' Tilt Angles in Libya. The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine, pp. 1-6, doi: 10.1109/ieCRES57315.2023.10209547.
 85. Mohamed Elnaggar, Hala J. El-Khozondar, Yasser F. Nassar, Mahmoud Walid Alghaffari, Ahmed Omar Ellouh, Mohammed Ibrahim Habib, Atwah Majed Alshafai, Mohammed Kamal Khalifa, 2023. Design of a solar thermal powered system for electricity generation and water desalination. The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine. DOI: 10.1109/ieCRES57315.2023.10209513
 86. Abdallah Salem, Essam Hamza, Yasser Nassar, Ibrahim Hmady, 2023. Numerical Simulation of Aerodynamics Performance of NERL S826 Airfoil. The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine, pp. 1-6, doi: 10.1109/ieCRES57315.2023.10209478.
 87. Y. Nassar, I. Mangir, A. Hafez, H. El-Khozondar, M. Salem, H. Awad, 2023. Feasibility of innovative topography-based hybrid renewable electrical power system: A case study. *Cleaner Engineering and Technology*, vol.14, no. 5, p. 14100650. <https://doi.org/10.1016/j.clet.2023.100650>.
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5.3. Books authorship:

1. Yasser Fathi Nassar, *Solar energy engineering, active applications*, a book of 528 pages, Sebha university publications, Libya, 2006. (Arabic language). Available on https://www.researchgate.net/publication/374471974_ktab_altaqt_alshmsyt

6. Contribution in editorial board and reviewing of manuscripts in journals and conferences

1. Executive director of Wadi Alshatti University's Scientific Journals.
2. Editorial team of *Solar Energy and Sustainable Development Journal*. Tripoli - Libya. <https://jsesd-ojs.cesers.ly/ojs/index.php/jsesd>
3. Advisory committee of *Palestinian technical University Research Journal*, <https://rj.ptuk.edu.ps/index.php/pturj/editorial-board>

Reviewer for the following journals:

1. *Renewable and Sustainable Energy Reviews*, Elsevier;
2. *Solar Energy*, Elsevier;
3. *Desalination*, Elsevier;
4. *Journal of Cleaner Production*, Elsevier;
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24. Cogent Engineering, Taylor & Francis publisher;
25. International journal of environmental and climate change
26. Applied Sciences, MDPI;
27. Energies, MDPI;
28. Sustainability, MDPI;
29. Electronics, MDPI;
30. Eng, MDPI;
31. Results in Engineering,
32. Remote Sensing Applications Society and Environment;
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34. Libyan Journal of Ecological & Environmental Science and Technology, Studies & Research Center For Environmental Science and Technology;
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37. Journal of Global Ecology and Environment;
38. International Journal of Environment and Climate Change;
39. Journal of Engineering research Tripoli University;
40. International Journal of Electrical Engineering and Sustainability (IJEES);
41. Wadi AlShatti university Journal of Pure & Applied Sciences Journal;
42. The first international conference on science and technology, 12-14 February 2018, Sebha, Libya;
43. The 4th international conference of sciences and technology 2021-Sebha University;
44. The 8th International Engineering Conference on Renewable Energy & Sustainability (ieCRES 2023), May 8-9, 2023, Gaza Strip, Palestine;

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