

CURRICULUM VITAE

MR. MONAEM HAMAD ELMNIFI

1. PERSONAL PARTICULARS

1.1 Personal Information:

Citizenship : Libyan
Birth Day-of-the-Week : Saturday
Place of Birth : ELmarj, Libya
Hobbies : Soccer
Marital Status : Married with Five kids
Gender : Male

1.2 Contact Information and Research Profile:

Address: ELMARJ.LIBYA

Contact Numbers : +218925339322,+218913437039 (Mobile)

Personal Email : monm.hamad@yahoo.co.uk



2. EDUCATION BACKGROUND

2.1 Summary of Academic Qualifications:

2013 M.Sc. in Energy technologies (Libyan Academy of Benghazi, Libya)

2002 B.Sc. in Mechanical Engineering (OMU, Libya)

2.2 Education Details:

Degree : Master of Energy technologies
(M.Sc.)
Major : Mechanical Engineering(Renewable Energy, Heat Transfer, and Refrigeration and Air-conditioning, Materials science, Manufacturing processes)
University : Libyan Academy of Benghazi, Libya.
Duration : July 2009 - September 2013
GPA : 3.23 (out of 4)
Degree : Bachelor of Science
(B.Sc.)
Major : Mechanical Engineering (power, Heat Transfer, and Refrigeration and Air-conditioning)
Project Title : Design of cooling system for food preservation.
University : Omar Al-Mukhtar University (OMU), Libya.

Duration : September 1996 - August .
2002

Percentage : 64.4%.

Level: General Secondary Education Certificate

School: Gamal Abdel Nasser secondary School, ELmarj, Libya

Percentage: 80.5%

Level: Basic Education Certificate

School :17 February Preparatory School, ELmarj, Libya

Percentage: 86.9%

3. WORKING EXPERIENCE

3.1 Summary of Working Experience:

Sep2014-Until Now

During this period, I worked at the University of Benghazi as Assistant Lecturer, where I was assigned to teach materials science and renewable energy.

Sep20014-July2017

I had the opportunity to help supervise a number of graduation projects in the Mechanical Engineering Department.

Sep2014-Sep2018

Currently I am a Associate Lecturer at Benghazi University in the Department of Mechanical Engineering. During this period, I am responsible for teaching undergraduate students in material science, manufacturing, renewable energy.

feb2017-Sep2019

Currently I am a Associate Lecturer at Bright Star University in the Department of Mechanical Engineering. During this period, I am responsible for teaching undergraduate students in material science, Advanced manufacturing processes, corrosion, Internal combustion engines.

4. STUDENT SUPERVISION

4.1 Undergraduate Student Supervision

Academic Year: 2014/2015

♣ using waste incineration to generate electrical energy at el-marj city.

Academic Year: 2016/2017

♣ Design of Adsorption Cooling Cycle Operates By Solar Energy.

Academic Year: 2017/2018

♣ Hybrid power generation by using solar and wind energy hybrid power case study - university almarj.

5. PUBLICATIONS

5.1 International Refereed Journals:

1. **M. Elmnifi** ,N. Abdelwanis and O. Imrayed " Using Waste Incineration To Generate Electrical Energy At El-Marj City" The fourth Scientific Conference of Environment and Regions, Nov. 2016, Ajdabiya,Libya. Arid-Sustainable Development in the Arid and semi Pollution and Environment (PE)DOI : <http://doi.org/10.26480/pe.01.2018.01.04>
2. **M. Elmnifi** ,N. Abdelwanis and O. Imrayed " Solar Supported Steam Production for Power The second International Conference of Basic Sciences & Their Generation in Libya", Applications, April 2017, Albydah, Libya. Acta Mechanica Malaysia (AMM) Journal DOI : <http://doi.org/10.26480/amm.02.2018.05.09>.
3. **M. Elmnifi** ,N. Abdelwanis and O. Imrayed " Waste-TO-Energy Potential in Tripoli City-Libya" The First Scientific Conference on Environment and Development of Desert Societies 2017, Al-Kufra,Libya. Environment & Ecosystem Science (EES)DOI : <https://doi.org/10.26480/ees.01.2018.01.03>
4. **M. Elmnifi** , O. Imrayed "Energy Recovery from Municipal solid waste Incineration" Conference on Scientific Research and Sustainable Development, 25-27 Dec.2017 Benghazi University. Engineering Heritage Journal (GWK) DOI : <http://doi.org/10.26480/gwk.01.2018.19.23>
5. **M Elmnifi**, M Alshilmany, M Abdraba ,POTENTIAL OF MUNICIPAL SOLID WASTE IN LIBYA FOR ENERGY UTILIZATION, Open Journal of Mechanical Engineering (OJME) 2(2) (2018) 01-05, DOI : <http://doi.org/10.26480/ojme.02.2018.01.05>.
6. **M Elmnifi**, M Alshilmany, M ALhammaly, O Imrayed ,USE OF SOLAR ENERGY FOR BUILDING AIR CONDITIONING AND DOMESTIC HOT WATER PRODUCTION – CASE STUDY ELBREGA-LIBYA, Energy Reviews (ER) 2(1) (2018) 01-04, DOI :<http://doi.org/10.26480/er.01.2018.01.04>.
7. **M Elmnifi**, M Amhamed, FUTURE OF WASTE TO ENERGY: CASE STUDY OF LIBYA, Advances in Industrial Engineering and Management (AIEM). DOI : <http://doi.org/10.26480/aiem.01.2019.01.03>.
8. **M Elmnifi**, H Moria , ALZ Emhamed, M Alsaker, M Amhamed, Economic and Environmental Value for Electrical and Electronic Waste Recycling in North African Countries, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 8 Issue 08, August-2019.
9. P Jenkins, **M Elmnifi**, A Younis, Alz Emhamed, N Amrayid, M Alshilmany, M Alsaker, Enhanced Oil Recovery by Using Solar Energy: Case Study , Journal of Power and Energy Engineering, 2019, 7, 57-67, <http://www.scirp.org/journal/jpee>.
10. P Jenkins,**M Elmnifi**, A Younis,Alz Emhamed, Hybrid Power Generation by Using Solar and Wind Energy: Case Study, January 2019 World Journal of Mechanics 09(04):81-93DOI: 10.4236/wjm.2019.94006.
- 11.**M Elmnifi** . all 9 authors new system design of using solar dish-hydro combined with reverse osmosis for sewage water treatment: case study Al-Marj, Libya, July 2020 Desalination and water treatment 193:189-21. DOI: 10.5004/dwt.2020.25782.
- 12.H Moria,A Younis,**M Elmnifi**, M Rasidi , Investigation Effects of Different Wind Turbine Designs on Air Flow and Generated Power, June 2020Asian Journal of Applied Sciences 8(3):182-190. DOI: 10.24203/ajas.v8i3.6243.

13. Hazim Moria, and **Monaem Elmnifi**, Feasibility Study into Possibility Potentials and Challenges of Renewable Energy in Libya, *International Journal of Advanced Science and Technology* Vol. 29, No. 03, (2020), pp. 12546 – 12560.
14. A.M. Elbreki, Hazim Moria, Ahmed M. Ahmed, **Monaem Elmnifi**, Ahmed Abdumula, Optimization and Performance Evaluation of Hybrid Renewable System for Minimizing Co2 Emissions in Libya: A Case Study, *INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH* ,Vol.10, No.4, December, 2020.
15. **Monaem Elmnifi**, Naji Abdelwanis & Otman Imrayed, Burning Municipal Solid Waste to Generate Electric Power, a Study in Al-Marj, Libya, *Global Journal of Researches in Engineering: A Mechanical and Mechanics Engineering* Volume 20 Issue 3 Version 1.0 Year 2020.
16. Naji S Abdelwanis, Faisal El Feitouri & **Monaem Elmnifi**, Implementation of Lean Six Sigma Approaches in Construction Operations, January 2021 *Global Journal of Researches in Engineering* Volume 20(: 2249-4596):9.
17. **Monaem Elmnifi**, HYBRID POWER GENERATION BY USING SOLAR AND WIND ENERGY HYBRID POWER, publisher Scholars Press International Book .ISBN:978-613-8-82892-1.
18. **Elmnifi, M.**, Moria, H., Elbreki, A. M., & Abdulrazig, O. D. (2021). Possibilities Study of Using Hybrid Solar Collectors in Northeastern Libya Residential Home. *International Journal of Renewable Energy Research (IJRER)*, 11(2), 654-661.
19. **Elmnifi, M.** (2021). Using Solar Energy to Build Air Conditioning-A Case Study of Libya. *Global Journal of Research In Engineering*.
20. Aqeel Maryoosh Jary , **Monaem Elmnifi** , Zafar Said, Laith Jaafer Habeeb, Hazim Moria, Potential wind energy in the cities of the Libyan coast, a feasibility study, *Journal of Mechanical Engineering Research and Developments* ISSN: 1024-1752 CODEN: JERDFO Vol. 44, No. 7, pp. 236-252.
21. **Monaem, Elmnifi** , Hazim Moria , Ahmed Abdumula, Shahid Hussain Abro , Mohammed N. Alghamdi, A.M. Elbreki, 2021, Evaluation Study of Sustainable Recycling for Solid Waste Materials: A Case Study, *INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT)* Volume 10, Issue 04 (April 2021) .
22. **Monaem Elmnifi**, Osama D.H abdulrazig, Hadir Gawili, A.M. Elbreki, Nouriyah Faraj,(2021). Assess the Potential Contribution of Municipal Solid Waste Power Generation Facilities in Libya. *SSRG International Journal of Thermal Engineering* 7(1),1-4.
23. Fadhil, N. A., Elmnifi, M., Abdulrazig, O. D., & Habeeb, L. J. (2022). Design and modeling of hybrid photovoltaic micro-hydro power for Al-Bakur road lighting: A case study. *Materials Today: Proceedings*, 49, 2851-2857.
24. Amin, S. A., Jaber, H. M., Al Saker, M., Eshoom, A., Elmnifi, M., Adam, A., & Habeeb, L. J. (2022). Welding technology that saves energy by using electrolysis of a water membrane

mixed with titanium oxide and aluminum materials. *Materials Today: Proceedings*, 49, 2916-2921.

25. Jassim, L., Elmnifi, M., Elbreki, A., & Habeeb, L. J. (2021). Modeling and analysis of home heating system material performance with induction using solar energy. *Materials Today: Proceedings*.

26. Al-Saker, M. A. B., Eshoom, A. J., Elmnifi, M., & Abdelhalim, T. (2021). Development of Sensors System for Taking Pressure and Temperature Reading for Gas Wells by Satellites. *Asian Basic and Applied Research Journal*, 90-94.

27. Majdi, H. S., Habeeb, L. J., Elmnifi, M., & Alderoubi, N. Transient Free Convection between Two Horizontal Concentric Cylinders.

28. Ayed, S. K., Elmnifi, M., Moria, H., & Habeeb, L. J. Economic and Technical Feasibility Analysis of Hybrid Renewable Energy (PV/Wind) Grid-Connected in Libya for Different Locations.

5.2 International Conferences:

1. **M. Elmnifi**, N. Abdelwanis and O. Imrayed " Using Waste Incineration To Generate Electrical Energy At El-Marj City" The fourth Scientific Arid-Conference of Environment and Sustainable Development in the Arid and semi Regions, Nov. 2016, Ajdabiya, Libya.

2. **M. Elmnifi** ,N. Abdelwanis and O. Imrayed " Solar Supported Steam Production for Power The second International Conference of Basic Sciences & Their Generation in Libya", Applications, April 2017, Albydah, Libya.

3. **M. Elmnifi** ,N. Abdelwanis and O. Imrayed " Waste-TO-Energy Potential in Tripoli City-Libya" The First Scientific Conference on Environment and Development of Desert Societies 2017, Al-Kufra, Libya

4. **M. Elmnifi** , O. Imrayed "Energy Recovery from Municipal solid waste Incineration" Conference on Scientific Research and Sustainable Development, 25-27 Dec.2017 Benghazi University.

5. . **M Elmnifi**, M Alshilmany, M ALhammaly, O Imrayed ,USE OF SOLAR ENERGY FOR BUILDING AIR CONDITIONING AND DOMESTIC HOT WATER PRODUCTION – CASE STUDY ELBREGA-LIBYA of conference on occupational safety and health and environmental protection, dec.2017 ELbrega- Libya.

6. **M Elmnifi** ,M Amhamed, future of waste to energy: a case study of Libya The fifth Scientific Conference of Environment and Sustainable Development in the Arid and -semi Arid. Ajdabiya, Libya. Regions, Nov. 2018.

7. **M Elmnifi**, M Alshilmany , M abdraba, DESIGN OF ADSORPTION COOLING CYCLE OPERATES BY SOLAR ENERGY, Scientific Conference of Engineering Management and its Role in Improving Institutional Performance. dec.2018 ELbrega-libya.

5.3.Monaem Elmnifi @ ResearchGate: Citations30

♣ Visit My ResearchGate URL

https://www.researchgate.net/profile/Monaem_Elmnif.

5.4.Monaem ELmnifi@scholar

<https://scholar.google.com.ly/citations>

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6. SERVICE

6.1. September 2004 - October 2011 I had a great opportunity to work as a technical engineer at Al-Jouf Oil Technology Company, Brega Libya. With this company, I took responsibility for maintenance, troubleshooting, technical support, and administrative work related to the Technical Inspection Unit.

6.2. Language Proficiency

♣ Arabic (native Language), excellent

♣ English, excellent

7. WORKSHOPS/TRAINING COURSES

* Certificate MT0081205E FROM SNT-TC-1A of the American society for nondestructive testing ASNT &ACT.

*Certificate from Libyan safety &industrial security center in hydrogen sulfide H₂S hazard.

8.AWARDS

*Libya Award for Innovation 2020 In the field of scientific research and publishing

9. REFERENCES

1. Dr. Hazim Abdulaziz Moria, Ph.D. DMD, Planning and Development at Yanbu Technical Institute Assistant Professor, Mechanical Eng'g. Tech. Dep. at Yanbu Industrial College Royal Commission Yanbu, Education Division P.O.Box 30436, Post Code 41912 Tel: +966 14 394 6407 Fax: +966 14 392 0213 Cell: +966 56 2262 677 Cisco: 1190.E-mail: hazimmoria@gmail.com.

2. Dr. Otman Imrayed ,Professor Department of Electrical & Electronics Engineering, Sirte University, Libya, E-mail: mberwilla@yahoo.co.uk. Tel:+218945726227.

3. Dr. Naji Abdelwanis, Assistant Professor, Department of Mechanical Engineering, Omar Al-Mukhtar University, Email : nabdelw@g.clemson.edu, Tel: +218922394081.

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Thanks, and best regards.

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Lecturer

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