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EDUCATION AND QUALIFICATIONS:

- 2015 MSc Science in Mechanical Engineering - University of South Wales, Treforest, Cardiff the UK.
- 2006 BSc Mechanical Engineering -University of Al- Btnan for Applied &Humanitarian, Tobruk, Libya. (First of his class).
- 1998 Higher Diploma Degree in Refrigeration &Conditioning Engineering - Higher Institute Sukna, Sukna, Libya.(First of his class).

EMPLOYMENT and EXPERINENCE: more than 20 years.

1-Head of Refrigeration and Air Conditioning at Tobruk Medical Center, Tobruk, Libya, since 1999 to 2004.

2- Head of Refrigeration and Air Conditioning at AL- Najm AL -Satei Institute for Mechanical and Electrical Professions , Tobruk, Libya, since 2004 to 2017.

3- Director of the Training, Rehabilitation and Development Office, at Research and Scientific Studies Center, University of Tobruk, Libya, since 28-03-2017 to 01-03-2018

4-Cooperator Lecturer with - Higher Institute for Comprehensive Profession (Heat Transfer - Thermodynamics- General Supervisor for Mechanical Engineering Laboratory)2015 -2016 and 2017.

5- President of the Libyan Inventors Union -L.I.U 20/12/ 2014 UP to now.

6-Establisher for the Maghreb Union, Innovation 2011.

7- Cooperator Lecturer at the Department of Petroleum Engineering Faculty - (Heat Transfer - Thermodynamics)- University of Tobruk, Libya, since 30-07-2017 to 01-03-2018.

8- General Supervisor Laboratories and Workshops at the Engineering Faculty University of Tobruk, Libya, since 30-07-2017 to 01-03-2018

9- Lecturer at the Department of Mechanical Engineering Faculty of Engineering - Bright Star University, Libya, since 08-02-2018 UP to now.

10- Head of the Department of Mechanical Engineering Faculty of Engineering - Bright Star University, Libya, since 02-05-2018 UP to now.

11- Director of the Research and Scientific Studies Office, at Research and Scientific Studies Center - Bright Star University, Libya, since 12-09-2018 UP to now.

PATENTEE and INVENTIONS:

1-Blood Cells Separation Device, under the name of (OSAMA) and has obtained the patentee from Industrial Researches Center, Tajura - Libya, under No. 3453/2007.

2-Solar Panel for Track the sun's movements throughout the day Device, under the name of (Sun Flower) and has obtained the patentee from Industrial Researches Center, Tajura - Libya, under No. 3452/2007.

3- Electrical Key Device for giving the Electric lamp long live, under the name of (Anas & Arwa) and has obtained the patentee from Industrial Researches Center, Tajura - Libya, under No. 3451/2007, and the patentee registered from Gulf Cooperation States Council, in Kuwait, under No. 159/2008 BA.

ADDITIONAL ACHIEVEMENTS:

I have been running a Scientific Researches about the Account Solar Radiation Strength, and New technique to improvements the efficiency of solar cells (photovoltaic power) by using (SUNNY DESIGN- 3) software and (Phoenics) software

1- Using(CFD) (Phoenics) software for Computational Fluid Dynamics

2- Designing and Industrialization the Laboratory Equipments for Refrigeration & Air Conditioning Systems Mechanical Engineering.

Training Courses:

1-Training Courses in Germany with Ways Co.in operating and maintaining General Central Conditioning, in 2000 for two months.

2- Training Courses in Libya with Ways Co.in operating and maintaining General Central Conditioning, in 2000 for three months.

3- Training Courses in Libya with Gulf Oil Co.in operating and maintaining built in air Central Conditioning, in 2001 for three months.

4- Training Courses in Libya with Siemens Co.in Medical information of Medical Equipment's, in 2001 for four weeks.

5- Training Courses in Libya with U.M.G Co.in Medical information of Medical Equipment's, in 2002 for three months.

6- Training Courses in Libya with Tobruk steam plant.in operating and maintaining General Central Conditioning, in 2003 for two months.

7- Training Courses Intensive English Language with Bristol Language Centre (BLC) in the UK 2012 -2013for eight months.

8-Training Courses Pre- Sessional English Language with University of South Wales - Language Centre in the UK 2013for four months.

Scientific Conferences and Invention Exhibitions

- 1- The First Intermediate Scientific Conferences and Invention Exhibitions In the Republic of Algeria in 2000.**
- 2-The First Scientific Conferences and Invention Exhibitions for youth Scientists in Libya in 2003.**
- 3- The First Scientific Conferences and Invention Exhibitions for youth of Maghreb Union, Innovation 2007.**
- 4- Scientific Exhibitions for Innovation and creation in Sudan in 2007.**
- 5-Selecting the best 100 Inventors of 5600 Inventors around the Arab world, in the program of Nogom al- aloum, under the sponsorship of Qatari institution of development 2008.**
- 6- Second international Invention Exhibition in the Middle East in Kuwait in 2008, with the participation of 35 Countries.**
- 7-Third Scientific Conferences for political Sciences, Aljabl algharbi University, Gherian- Libya 2009.**
- 8-Al-Basel Fourth tenth international Invention Exhibitions in the Republic of Syria 2009, with the participation of 23Countries.**
- 9- Scientific Conferences and Invention Exhibitions, under the sponsorship of National Assembly Exhibition for superiors and talents Libya 2010.**
- 10-Conference and third Exhibition for inventors in Cairo (Al-Ghad Scientists) Egypt 2010.**
- 11- Fourth international Invention Exhibition in the Middle East in Kuwait in 2011, with the participation of 45 states.**
- 12- The First Scientific Conferences and Invention Exhibitions for Intermediate and European in the Republic of Algeria in 2013.**
- 13- The First Scientific Conferences for engineering and environmental Sciences, TOBRUK University, TOBRUK - Libya 2016.**
- 14- The XIth Scientific Conferences for Renewable energy & Environmental Sciences, (CERE-2017) , Tunisia 2017.**
- 15- The Scientific Conferences for Scientific Research and Sustainable Development - University of Benghazi - Libya 25-27-12-2017.**
- 16- The XIIth Scientific Conferences for Renewable energy & Environmental Sciences, (CERE-2018) , Tunisia 2018.**
- 17- 11th international Invention Exhibition in the Middle East in Kuwait in 2019, with the participation of 45 states.**
- 18- Eleventh international Invention Exhibition in the Middle East in Kuwait in 2019, with the participation of 45 states.**

Participations, prizes and certificates of appreciation and merits

1-First Intermediate Scientific Conferences and Invention Exhibitions in the Republic of Algeria in 2000 Shield, certificate and merit that he has obtained in Libya, the first oh his class on the level of Mediterranean Sea basin.

2- First Scientific Conferences and Invention Exhibitions for youth Scientists in Libya in 2003, positioned third class and the first rank Shield of Exhibition with certificate of merit.

3- Shield of honor from First Scientific Exhibitions for youth of Arab Maghreb Union, Innovation 2007.

4-Medal and Slogan of Tunisian Assembly for youth Science, 2007.

5- Scientific Exhibitions for Innovation and creation in Sudan in 2007, Gold medal, Shield of Exhibition and Certificate of honor and merit,

6-Selecting the best 100 Inventors of 5600 inventors around the Arab world, in the program of Nogom al aloum, under the sponsorship of Qatari institution of development 2008.

7- Silver and Bronze medal from the Second international Invention Exhibition in the Middle East in Kuwait in 2008, with the participation of 35 states.

8- Shield and Certificate of merit from the Third Scientific Conferences for political Sciences, Aljabl algharbi University, Gherian- Libya 2009.

9- Gold and Bronze medal and Shield of Invention Exhibition from the Al-Basel Fourth tenth Exhibitions In the Republic of Syria 2009, with the participation of 23 states.

10- medal of Scientific superiority in the Invention Exhibition of the National Assembly and talents Libya 2010.

11-Cup of third rank in the Conference for inventors in Cairo (Al-Ghad Scientists) Egypt 2010.

12-Two medals Silver and Bronze medal from the fourth international Invention Exhibition in the Middle East in Kuwait in 2011, with the participation of 45 states

13- Shield and medal from the Scientific superiority of National Assembly and talents Libya for the participations in The First Scientific Conferences and Exhibitions for Intermediate and European in the Republic of Algeria in 2013.

14- Shield and Certificate of merit from The First Scientific Conferences for engineering and environmental Sciences, TOBRUK University, TOBRUK - Libya 2016.

15- Shield and Certificate of merit from The XIth Scientific Conferences for Renewable energy & Environmental Sciences, (CERE) , Tunisia 2017.