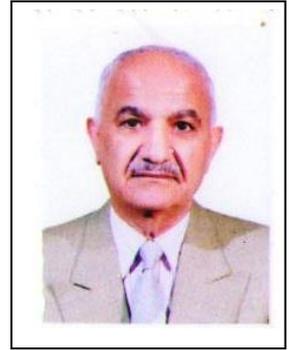


Curriculum Vitae

Name: Prof. Nawfel M. H. Al-Araji.
IRAQI, 28-12-1944.

Education: Ph.D, Mechanical ENG (Tribology) 1982
Brunel University, U.K.,
M.Phil., Mechanical ENG (Tribology). Brunel University,
U.K. 1980



Professional Career:

- 2017:** Till now vice president of Warith AL – anbiyaa University
, Kerbala , Iraq.
- 2011 - 2017:** Deputy Dean of Al- Hussain University Collage of Engineering.
- 2009 - 2011 :** Chairman of the Department of communication Engineering in
AL-Hussain Engineering University Collage ,Priviet.
- 2005 to 2008:** Professor in Department of Materials and Metallurgical Engineering
AL-Balqa The Applied University , Jordan.
- 2000 to 2004:** Deputy Dean of Faculty of Engineering, AL-Balqa, Applied
University, Jordan
- 1998 to 2000:** Chairman of the Department of Materials and Metallurgical
Engineering, Faculty of Engineering, Al-Balqa' Applied
University, Al-Salt-Jordan.
- 1986 to 1998:** Head Assistant of the Department of Mechanical Engineering for
Higher Studies and Professor of Tribology, University of
Technology, Baghdad-Iraq.
- 1982 to 1986:** Assistant Professor of Tribology, Department of Mechanical
Engineering for Higher Studies, University of Technology,
Baghdad-Iraq.
- 1977 to 1979:** Metallugist at the University of Technology, Baghdad-Iraq.
- 1969 to 1977:** Senior Engineer at the Mechanical Industrial Company,
Baghdad-Iraq.

Experiences:

Deputy Dean of Al- Hussain University Collage of Engineering.
Assumed various administrative and managerial responsibilities
Head of Continuous Education Center.
Head of Scientific Committee.
Taught several graduate and undergraduate courses among them:
Selection and Application Materials, Manufacturing and
Designs. I was the faculty advisor for several graduate students
in the areas of Metallurgy and Tribology. I also supervised
several graduate research projects in Metallurgy. I was a member

in the board of examiners for the evaluation and award of graduate degrees.

Professional Consultant:

I provided consultation services in the general area of Tribology, industry, manufacturing, and consultation in higher education programmes.

MemberShip:

Member of the Iraqi Engineering Society/Consultant Engineer.
Ex member of the British Society of Tribology.
Expert in production Engineer/ Arab Engineering Society.

References:

Musa R. Resheidat , E-Mail: musar@just.edu.iq
Abdul.razzaq Ismail, E-Mail: abdul.razzaq@yahoo.com
Jafar. Al-Haidary , E-Mail: jalhaidary@yahoo.com

Published Books:

- 1- Welding Technology, Dar Al-Maaraf Press, Baghdad-Iraq, 1992.
- 2- Casting Designs, Al-Mustansria University Press, Baghdad-Iraq, 1994.
- 3- Fule and Furance, Dar Al-Maaraf press, Baghdad – Iraq.

Published Papers:

I have published more than 50 papers in various scientific Journals.

Experiences in Teaching and in Supervising:

- A. PH.D. Course.
 - 1- Tribology.
 - 2- Properties of Engineering Materials.
 - 3- Iron and steel Technology.
 - 4- Manufacturing Technology.
 - 5- Engineering Management.
- B. Ms.C. Course
 - 1- Tribology
 - 2- Iron and Steel Technology.
 - 3- Manufacturing and Design.
 - 4- Casting and Welding Technology
- C. Undergraduate Course
 - 1- Selection of Engineering Materials.
 - 2- Iron and Steel Technology.
 - 3- Engineering drawing.
 - 4- Casting Technology.

- 5- Fuels, Furnaces and Refractories.
- 6- Transport phenomena.
- 7- Extractive Metallurgy.
- 8-Mechanical Forming
- 9-Engineering Workshop
- 10-Welding Technology
- 11-Composite Materials Technology
- D. Supervised 35 successful Ms.C degrees' thesis.
- E. Supervised 10 successful Ph.D. degrees' thesis.

Conferences, Lectures,...etc

I participated in several scientific meeting and conferences.
I participated in several lectures in the continuing education courses.

- 1- Metals Cutting.
- 2- Casting Technology.
- 3- Welding Technology
- 4- Furnaces Design and Maintenance.
- 5- Heat Treatment of Metals.
- 6- Maintenance System.
- 7- Protection of Metals.
- 8- Non – Destructive Testing.
- 9- Composite Technology.
- 10- Project System.

I had ten years experience in field of metallurgical engineering and production.

Published Articles:

1. Abrasive wear of Iraqi Soils (Fourth Scientific Conference, Scientific Research Council, Vol. 1, Part 2, October 1986).
2. Impact Erosion Mechanism in Ductile Metals (Indian Journal of Technology, Vol. 27, No. 7, July 1989).
3. The Effect of Ageing and other Parameters on Spot Welding of Aluminum (Engineering and Technology Journal, Vol. 10, No. 4, 1994).
4. Wear Resistance of Heat Treated White Cast Iron (Engineering and Technology Journal, Vol. 10, No. 5, 1992).
5. The sliding Wear of Porous bearings Under Lubricated Conditions (Engineering and Technology Journal, Vol. 10, No. 3, 1991).
6. The wear Characteristics of Nodular Graphite Cast Iron (Engineering and Technology Journal Vol. 6, No. 4, 1987).

7. The Effect of Passes on the Mechanical Properties of Aluminum/Manganese (Al-Mn 3003) Alloy (Journal of the Military Engineering College, No. 4, 1989).
8. The Effect of Oil Film on Friction and Wear Under Sliding Conditions (Journal of Engineering Industries, Vol. 11, No. 1, 1986).
9. Adhesive and Abrasive Wear in Cast Aluminum/Aluminum oxide/Magnesium Oxide (Al-Al₂O₃-MgO) Composition (Journal of Engineering Industries, Vol. 11, No. 1, 1986).
10. Perforation Mechanism of Hard Multilayered Target (Engineering and Technology Journal, Vol. 11, No. 1, 1992).
11. The Effect of the Geometry on the Fatigue Strength (Engineering and Technology Journal, vol. 11, No. 4, 1992).
12. Mechanical Properties of Carbon Steel Welded Joints (Engineering and Technology Journal, vol. 6, No. 1, 1988).
13. Erosion Correlations and Analysis of Brittle Materials (Engineering and Technology Journal, vol. 11, No. 3, 1992).
14. Erosion Resistance in Aluminum Alloys (Engineering and Technology Journal, vol. 5, No. 3, 1988).
15. Acidic Environmental Effect on Fatigue strength in Steels (Engineering and Technology Journal, vol. 6, No. 4, 1988).
16. Vibration and Solidification of Alloys (Engineering and Technology Journal, vol. 11, No. 6, 1992).
17. The Effect of Matrix Structure on the Wear Characteristics of S.G. Cast (Engineering and Technology Journal, vol. 11, No. 4, 1992).
18. Abrasive Wear of Cast Iron Under Sliding Conditions (Engineering and Technology Journal, vol. 3, No. 2, 1985).
19. Erosion Resistance of White Cast Iron (Engineering and Technology Journal, vol. 2, No. 2, 1984).
20. The Effect of Graphite Size and Number in S.G. Cast Iron on Wear Characteristics (Engineering and Technology Journal, vol. 11, No. 4, 1992).
21. Factors Affecting Wear Mechanism in Internal Combustion Engine (Engineering and Technology Journal, vol. 11, No. 3, 1992).

22. The Effect of Pouring Temperature on Mechanical Properties of Squeeze Casting aluminum Alloy (Engineering and Technology Journal, vol. 11, No. 4, 1992).
23. The mechanical Properties of composite material, (Engineering and Technology Journal, vol. 13, No. 4, 1994).
24. Calculation of stored Energy in Multi Layer Torsional bar. The second Jordanian International Conference for Mechanical Engineering, JIMEC'9, Amman-Jordan, 1997.
25. Calculation of Energy in Penetration of Multi Layer Targets (Journal of the Military Eng. College No. 6, 1996, Iraq).
26. Parameters Effect the Life of Parts Manufactured by Metallurgy (Support by the Ministry of Industry, 1997).
27. Lubricant Mechanism in Sliding Bearing of Non Uniform Surface, (Support by the Ministry of Industry, 1995).
28. Effect of Geometry of Spot Welded Joints on the Mechanical Properties (Support by the Ministry of Industry, 1996).
29. Development of Scanning Laser Crack Detection Technique for Corrosion Fatigue of Aluminum
The First Scientific Conference of Eng. College at AL-Mustansiriyah University Baghdad 9\4\1997
30. Elastic Plastic Fracture Mechanics Analysis by Combination of Three Dimensional Boundary and Finite Element Method, (BETECH 97 Conference, 9-11 April 1997, Tennessee, USA).
31. Multiaxial Corrosion Fatigue Behavior of Steel in a Chloride Sodium Aqueous Solution,
The First annual Conference for Higher Research Studies, University of Technology, Baghdad 7\4\1997
32. Three Dimensional Finite Element Analysis for Elastic Plastic Fracture Mechanics, (Fourth US Congress on Computational Mechanics, August 6-8, 1997, USA).
33. Abrasive and Adhesive Wear in Cast Al-Al₂O₃-BaCO₃ Composites, (Under Publication).
34. New Refractory Bricks Using Jordanian Ores and Cement, (Cement and Concrete Technology, Istanbul, Turkey, 6-10 September, 2000).
35. Rehabilitation of Automobile Crankshafts by Submerged-arc Welding.

(the First Jordanian International Conference Materials Science & Engineering) PP 317-332. 3-5 may 2005 Al-Salt- Jordan.

36. Use of Banana Leaves as Fiber Reinforcement in Concrete
(the 6TH International Conference on Concrete (Technology for Developing Country, Vol.2. PP695-704, 12-24 October 2002.

37. Abrasive Wear of Al- Mn Alloys, International conference on Abrasive and Abrasive Wear 11, 22-25 September 2003, Churchill College, Cambridge, UK

38. Soil Frictional Properties of Agricultural Land in Jordan. The Arab Center for The Studies of Arab Zones Dry-Land Acsad, 25 May 2005.

39. Abrasive wear of Al-Mn Alloys Dirasat, Engineering Sciences, Volume 32, No 1, 2005 Issn 156-4551.

40. The Effect of Microstructure modifications on the Wear Behavior of Cast Al- Al₂O₃-MnO₂, Composite. European Journal of Scientific Research Vol.5 No.2 May 2005. Asturias

41. Effect of Charcoal on the Porosity and the Properties of Concrete. International conference held at the university of Dundee, Scotland, UK on 9-11 September 2002.

42. Effect of BaCO₃ on the wear resistance of cast Al-Al₂O₃ composites ; 8th international conference on composites Engineering August 5-11, 2001, Tenerife, Spain

43. Results Based Management for Energy In Jordan ; UPF : Universal Peace Federation for encouragement and support . AL-Balqa Applied University, Jordan ; 2005.

44. Effect of Temperature on sliding wear Mechanism under lubrication conditions. International Journal of Engineering (IJE), Volume (5) ; p 176-184 (2011) : issue (2) .

45 . Abrasive wear of Digger Tooth steel international Journal of Engineering (IJE), Volume (4) ; p 478- 490: issue (6) (2010) .

46 . Effect of friction stir welding pressure on the microstructure and mechanical properties of weld joints. International Journal of scientific & Engineering Research, Volume 2, Issue 12, December-2011 ISSN 2229-5518

47 . An Experimental Investigation for Effecting of cold Drawing on Electrical and Mechanical Properties of Copper Cables. International Journal of scientific & Engineering Research, Volume 4, Issue 7, July-2013 ISSN 2229-5518.

- 48 . Electrical Performance of Composite Material Insulators. International Journal of scientific & Engineering Research, Volume 5, Issue 10, October-2014 ISSN 2229-5518.
49. The Role of cold Drawing on Electrical and Mechanical properties of Copper Eables. International Journal of Advarced Technology and Engineering Exploration (IJATEE), Volume – 2, Issue-8, July-2015.
50. Performance of Multylagers smart Earthing system Journal of Engineering and Applied Sciences 14 (Special Issue 9) 10654-10658, 2019 Issn: 1816-949x © Medwell Journals, 2019.