

Some of Publications:

1) Amro M. Al-Qutub and Mohammad O. Budair “**Experiments on the Flow Over a Flat Surface Impinged by a Supersonic Jet**” 31st AIAA/ASME/SAE/ASEE Joint Propulsion Conference 1995, (AIAA 95-2935).

2) Ahmed Z. Al-Garni, Ahmet Z. Shahin, and Amro M. Al-Qutub“ **Cooling Aerospace Plane Using Hydrogen, Ammonia, and Krypton**” the 1997 AIAA Thermophysics conference, Atlanta, USA (AIAA-97-2491).

3) Amro Al-Qutub and D. Elrod “**Modified Rotordynamic Analysis for Honeycomb Seals**” the 4th Asia Pacific Conference on Multilateral Co-Operation in Space Technology and Applications 1-4 Dec. 1997, Bahrain.

4) Amro M. Al-Qutub “**Irreversibility to Heat Transfer Ratio In Concentric Spheres Transpiration Cooling**” The 12th International Symposium on Transport Phenomena, Turkey, July,2000.

5) Amro M. Al-Qutub I. M. Allam and T. W. Qureshi “**Wear Properties of 10% Sub-micron Al_2O_3 / 6061 Aluminum Alloy Composite**” Second International Tribology Conference SITC 2002, Zielona Gora, Poland, August 25-28,2002.

6) Amro. M. Al-Qutub, D.Elrod, and H. Coleman “**New Friction Factor Model and Entrance Loss Coefficient for Honeycomb Annular Gas Seals with Emphasis on Uncertainty Analysis**” ASME Journal of Tribology Vol. 122, p 622, July2000.

7) B.S.Yilbas M.M. Khalid, R. Kahraman, A. Al-Qutub, Z. Khan and M. Ouerfelli ” **The Corrosion Behavior of TiN Coated and Uncoated Incoloy 800 Alloy.**” Journal of Materials Engineering and Performance, Vol.7, ,P.812, Dec.1998.

8) Amro Al-Qutub and Ahmed Al-Garni“ **Comparison between Neural Network and Weible Models for Failure of Boeing 737 Engines,**” Japan Society for Aeronautics and Space Sciences, Vol. 42, No. 137, p 128, 1999.

9) B.S.Yilbas, M.Khaled, M.A.Gondal, M. Ouerfelli, Z.Khan, A.Al-Qutub, and B.El-Aili. “**Nano-Second Pulse laser treatment of Incoloy 800 HT Alloy - Corrosion Properties**” Journal of Optics and Laser in Engineering, Vol. 32, p157,1999.

10) Amro Al-Qutub “**Entropy Generation in Transpiration Cooling of Two Concentric Spheres**” **International Journal of Exergy**,Vol. 1,p 303,2001.

11) A. M. Al-Qutub, I.M. Allam, and T.W. Qureshi ” **Wear Properties of 10% Sub-Micron Al_2O_3 / 6061 Aluminum Alloy Composite**” International Journal of Applied Mechanics, Vol. 7 (2002), pp.329-334.

12) Zuhair M. Gasem and Amro M. Al-Qutub " **Effect of Reinforcement on the Pitting Behavior of Powder Metallurgy Aluminum Alloy 6061/Alumina Metal Matrix Composite**", 6th Saudi Engineering Conference, Dhahran Saudi Arabia, 2002.

13) Fahad Al-Sulaiman and Amro Al-Qutub " **Design of Small Centrifugal Compressors Performance Test Facility**" Proceeding of ASME Turbo Exbo GT2004-83828, 2004, Vienna, Austria.

14) Amro Al-Qutub and Fahd Al-Sulaiman " **Instrumentation Selection and Uncertainty Analysis for Performance Test of Small Centrifugal Compressors**" Proceeding of ASME Turbo Exbo, GT2004-83828, 2004, Vienna, Austria.

15) A. M. Al-Qutub, I.M. Allam and T.W. Qureshi " **Effect of Sub-Micron AL2O3 Concentration on Dry Wear Properties of 6061 Aluminum based composite**" Journal of Materials Processing Technology. V.166, Aug 2005.

16) A. M. Al-Qutub " **Energy consideration for designing supercharged Ram Jet Engines** " International Journal of Energy Research, V. 32, Feb 2008.

17) Khaded A. Al-Dehylan, Amro Al-Qutub and Syed Hafeez " Tensile Response of Aluminum Reinforced with Submicron Al₂O₃ Metal Matrix Composites" Proceedings of the International Conference on Recent Advances in Mechanical and Materials Engineering, May 2005, Kuala Lumpur.