

Curriculum vitae

Personal Data:

Sure Name: *Abdulwahed*
First Name: *Ayad*
Place and Date of Birth: *Gharyan 1954*
Status: Married + 4 Children
Place of Work: Department of Materials and Metallurgical Engineering
Faculty of Engineering, University of Tripoli- Libya
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P.O. Box: 13430 University of Tripoli - Libya
Professional: Staff Member
Position: Professor
Qualification: PhD in Engineering *Materials*
Language: Arabic , English

Educational Qualification:

Certificate	Place of Study
Ph.D.	Faculty of Materials Science and Eng., Warsaw University of Technology, 1998, Poland, "Environment effect on the mechanical properties of 316 type steel at elevated temperature"
M. A. Sc	Master of Applied Science from University of Windsor, 1986, Windsor, Ontario, Canada. "Tensile Stress-Strain Analysis of Multiphase Alloys"
B.Sc.	Department of Metallurgical Engineering, Faculty of Petroleum and Mining Engineering, University of Tripoli-Libya, 1980.

Academic Experience:

- Teaching assistant from 1981 to 1982.
- M. A. Sc. Staff Member from 1986 to 1995.
- Ph.D Staff Member from 1999 Up to now.
- 1986 Lecturer assistance in Department of Materials and Metallurgical Engineering, Faculty of Engineering, University of Tripoli.
- 1990 Lecturer in Department of Materials and Metallurgical Engineering, Faculty of Engineering, University of Tripoli.

- 1994 Assistant Professor in Department of Materials and Metallurgical Engineering, Faculty of Engineering, University of Tripoli.
- 2003 Associate Professor in Department of Materials and Metallurgical Engineering, Faculty of Engineering, University of Tripoli.
- 2009 Professor in Department of Materials and Metallurgical Engineering, Faculty of Engineering, University of Tripoli.

Teaching Experience

Undergraduate Program

Introduction to Materials Science, Physical Metallurgy, Metallography Lab., Mechanical Properties of Materials, Mechanical behavior of Materials & Metal Shaping. Supervision of B. Sc. Projects

Postgraduate Program

Advanced Mechanical Metallurgy

Professional Membership

- Membership the IV Arab Congress on Material Science (ACMS), organized by the Department of Materials & Metallurgical Engineering, Faculty of Engineering, Al-Fateh University, Tripoli-Libya, 2005.
- Since 2006 Membership in the Editorial Committee of Journal of Engineering Research Al-Fateh University, Tripoli-Libya.
- Head of the Department of Engineering Management, Faculty of Engineering, University of Tripoli-Libya from 2009 to May 2015.
- Since September 2015 Head of the Department of Materials and Metallurgical Engineering, Faculty of Engineering, University of Tripoli-Libya.

List of Publications

- 22 Ayad A. Abdulwahed and Yusra A. Elsahli “**Modelling of Strain Hardening of Dual Phase Steels**” Journal of Engineering Research, Issue 32, September 2021, P 31
- 21 A. A. Hamed, A. A. Abdulwahed, S.A. Alzarrug and N.A. Al-Halludy “**Feasibility of Replacing High Conductivity Be-Bronze Alloys by Cu-Ni-Al Alloys**” Journal of Engineering Research, Issue 12, September 2009, P 113
- 20 A.A. Abdulwahed, K.Rożniatowski, K.J.Kurzydłowski “**Influence of martensite content on tensile properties of dual phase steel**” *Journal of Engineering Research*, Issue 11, march 2009, P. 69

- 19 **A. A. Abdulwahed** , K. Z. Saleeb, A. A. Hamed and K. J. Kurzydłowski **"Expressing the flow curves of dual phase HSLA and normalized carbon steels via Log Method equation"** *Journal of Engineering Research*, Issue 5, march 2006, P. 28
- 18 **Ayad A. Abdulwahed**, K. Z. Saleeb, K. Rozniatowski and K. J. Kurzydłowski **"Extending the Log-Method Flow Equation to Stainless Steel Type 316 of Various Structures"** *Journal of Basic and Applied Sciences*, Volume 15, Issue No. 1 (2005) Page 225-236
- 17 K. Z. Saleeb **A. A. Abdulwahed** , and O. A. El-Kebir **"Some Mechanical Properties of HSLA Dual phase steel"** 3rd Arab conference on Materials Science(ACMS-III), October 5-9, 2003, 5-13, Hurghada, Egypt
- 16 **A. A. Abdulwahed**, K. Rozniatowski, K.J.Kurzydłowski **"Free surface contribution of an austenitic stainless steel"** *Journal of Materials Processing Technology*, 109 (2001), 2-8
- 15 **Ayad A. Abdulwahed**, Ł. Ciupinski, and K.J. Kurzydłowski **"Free surface effect on the strain localization in Metals"**, Presented in the 7th COLLOQUE FRANCO-POLONAIS Conference, Kraków-Mogilany 22-24.10.1998, J. Archives of Metallurgy, vol. 44, 1999, Issue 3, p. 356-361
- 14 **Ayad A. Abdulwahed**, K. Rozniatowski and K.J. Kurzydłowski, **"On the effect of test environment and temperature on the tensile behavior of 316 SS"** *International Conference on Degradation of Engineering Materials*, Gdansk, Poland, vol. 1 page 139-144, 1999.
- 13 **A.A.Abdulwahed**, K. Sikorski, K.J.Kurzydłowski **"Oxidation of a micrograined austenitic stainless steel and its effect on tensile properties"** XVth Physical Metallurgy and Materials Science Conference Advanced materials and Technologies, Kraków-Krynica, 17-21 May 1998
- 12 **A. A.Abdulwahed**, W. Zieliński, K.J.Kurzydłowski, **"The Effect of Annealing Environment on Tensile Properties of 316 Austenitic Stainless Steel at Room Temperature"** Proceedings of the XV Physical Metallurgy and Materials Science Conference on Advanced Materials and Technologies. Kraków-Krynica, Poland, 1998, 315
- 11 W. Zieliński, **A.A. Abdulwahed**, K.J.Kurzydłowski **"TEM Studies of Dislocation Substructure in 316 Austenitic Stainless Steel Strained after Annealing in Various Environments"** *Materials Science and Engineering*, A249 (1998) 91
- 10 W. Zieliński, **A.A. Abdulwahed**, K.J.Kurzydłowski **"TEM Investigations of the Surface Influence on Mechanical Properties of Austenitic Stainless Steel"** Proceedings of the XV Physical Metallurgy and Materials Science Conference on Advanced Materials and Technologies. Kraków-Krynica, Poland, 1998, 331
- 9 **Ayad A. Abdulwahed**, K. Sikorski, and K.J. Kurzydłowski, **"Surface/environment effect on the properties of austenitic stainless steels at room temperature"**, *Conference on Materials in oceanic environment*, 22-24 July 1998, Lisbon, Portugal, Ed. L. Faria, Vol. 2, 108-114 , (EUROMAT'98).
- 8 **Ayad A. Abdulwahed** and K.J. Kurzydłowski, **"Tensile Properties of a Type 316 stainless steel Strained in Air and Vacuum"**, *Materials Science and Engineering* A256, 1998, 34-38.
- 7 W. Zieliński, **A.A.Abdulwahed**, K.J.Kurzydłowski **"TEM Investigations of the Structure of Scale-Matrix Interface in an Austenitic Stainless Steel"** Proceedings of International Conference on The Quantitative Description of Materials Microstructure. Warsaw, Poland, 1997, 573
- 6 K. Sikorski, **A.A. Abdulwahed**, K. Rozniatowski **"Studies of oxidation process on the surface of an austenitic stainless steel"** Proc.Int.Conference on the Quantitative Description of Materials Microstructure QMAT (pod red. L.Wojnara, K.Rozniatowskiego, K.J.Kurzydłowskiego), Warsaw 16-19 April 1997, Jagiellonian University, Kraków 1997, p.489-494

- 5 **A.A. Abduluyahed, K.Sikorski, K.Rożniatowski, K.J.Kurzydłowski** *"Surface/environmental effect on the properties of 316 stainless steel at the temperature range of serrated yielding"* Materiały konferencyjne 17th Riso International Symposium on Materials Science(pod red. F. W. Poulsena, N. Bonacosa, S. Linderrotha, M. Mogensena B. Zachau-Christiansena), 2-6 September 1996, pp. 155-160.
- 4 H.L. Rizkalla and **Ayad A. Abduluyahed**, "Some Mechanical Properties of Metal-Nonmetal Al-SiO₂ Particulate Composites", J. Material Processing Technology, 56 (1996) 389-403
- 3 **A.A. Abduluyahed, K.Rożniatowski, K.J.Kurzydłowski** *"The effect of test environment on tensile properties of 316L austenitic stainless steel.Part I: Serrated Flow Characteristics"* Scripta Metallurgica et Materialia, vol.33, No.9, (1995), 1489-1492
- 2 H.L. Rizkalla and **Ayad A. Abduluyahed**, *"Hydrogen embrittlement in low carbon steels"*, Petroleum Research Journal (Libya), vol.7 (January 1995), p.31.
- 1 **Ayad A. Abduluyahed and K.Z. Saleeb**, *"On the applicability of a newly proposed empirical stress-strain equation to wide variety of alloys"*, Egyptian Journal of Solids, Vol. 17, No. 1 (1994).