

Curriculum Vitae



Name Abdulhakim A. Hamed

Date of Birth January 17, 1955

Marital Status Married

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Education **B.Sc.**, 1974-1979 Faculty of Petroleum and Mining Engineering,
Tripoli University, Tripoli- Libya
Major: Metallurgy

Teaching Assistant, 1979-1982, Department of Materials
Science, Faculty of Nuclear and Electronic Engineering, Tripoli
University, Tripoli-Libya

M.A.Sc., 1982-1986, Department of Engineering Materials,
University of Windsor, Windsor, Ontario, Canada
Major: Materials Science(Phase Transformation)

Assistant Lecturer, 1987-1991, **Lecturer**, 1991-1993,
Department of Materials Science, Faculty of Engineering, Tripoli
University Tripoli-Libya

Ph.D., 1993-1998, Department of Structure and Mechanics of
Solids, Academy of Mining and Metallurgy, Krakow, Poland
**Major: Mechanical and Physical Metallurgy (High
Temperature Deformation)**

Assistant Professor, 1999-2009, Materials and Metallurgical
Engineering Department, Faculty of Engineering, Tripoli
University Tripoli-Libya

Associate Professor, 2009-, Materials and Metallurgical
Engineering Department, Faculty of Engineering, Tripoli
University Tripoli-Libya

Administrative Experience

Chairman of Study and Examination Committee in the Faculty of Engineering, Tripoli University, Tripoli-Libya, 1/1989 – 12/1991

Registrar of Tripoli University, Tripoli-Libya, 9/1990-1/1992

Committee Member at the Standardization and Specification Center, Industrial Research Center, Tajoura, 1990/1991.

Dean of Engineering Faculty at Jafara University, 18/11/2001-31/12/2004.

General Organizer, Faculty of Engineering (Jafara-Branch), Tripoli University 1/1/2005-16/8/2009.

Head of Materials and Metallurgical Engineering Department, Faculty of Engineering, Tripoli University, 23/2/2015 until 15/11/2015

Supervision of B.Sc. Projects

Effect of Copper Powder Particle Size on the Hardness and Tensile Properties of Mechanically Alloyed Cu-0.78 Al₂O₃, 1988.

Investigation on Mechanical Alloying of Al-8% Fe, 1989.

General Consideration of Iron and Steel Production in Misurata Iron and Steel Complex, 1990.

Shaping Processes and Testing of Low Carbon Steel in Misurata Steel Complex, 1990

The Laser Beam-Material Interaction of Cu-Substrate Coated with Fe-Si, 1991.

The Interaction of the CO₂ Laser with Zr-Coated Cu-Substrate, 1991.

The Electrical Properties of Thermally Evaporated Thin Germanium Films, 1997.

Thermomechanical Treatment of Cu-Ti Alloys, 2006.

Feasibility of Replacing High Conductivity Spring Be-Bronze alloys by Cu-Ni-Al Alloys, 2003.

The effect of high temperature deformation on microstructure

of Cu-3.5 wt.% Ti alloy, 2006.

Effect of strain rate on the microstructure of hot deformed Cu-5 wt.% Ti alloy, 2009.

Preparation and characterization of iron nano-particles using high energy ball mill, 2011.

Preparation and characterization of alumina-iron composites, 2013.

Mechanical alloying of Cu-5.5 wt.% Al alloy, 2013.

Effect of prior cold work on phase transformation process in Cu-1.5 wt.% Ti, 2015.

**Supervision of
M.Sc. Projects**

Thermo-mechanical treatments of Cu-3.5 wt.% Ti alloy, 2008.

Structure and properties of mechanically alloyed Cu-5 wt.% Al alloy, 2014.

Courses Taught

- Introduction to Materials Science
- Physical Metallurgy I
- Physical Metallurgy II
- Strength of Materials
- Properties of Materials
- Physical Metallurgy of Steels (Graduate)
- Physical metallurgy of light Metals and Alloys (Graduate)
- Phase transformations in metals and alloys (Graduate)

Publications

- A.A.Hameda and H. Yamauchi,” Miscibility Gap in Copper-

Nickel Alloys”, Metallurgical Society of AIME, Fall Meeting 1985, Toronto, Canada.

- A. A. Hamed and L. Blaz, “ Structural Aspects of Dynamic Precipitation in Hot Deformed Cu-3.45 wt.% Ti Alloy”, Proceeding of IX Conference on Electron Microscopy of Solids, Krakow-Zakopane, 1996, page 237.
- A. A. Hamed and L. Blaz, “ Flow Softening During Hot Compression of Cu-3.45 wt.% Ti Alloy”, Scripta Metall., V37, 1997, page 1987.
- L. Blaz and A. A. Hamed, 3rd International Conference, Non-Ferrous Metals 97, Krakow, Poland, Sept. 11-12, 1997, page 283.
- A. A. Hamed and L. Blaz, “ The Effect of Flow Localization and Shear Bands Development on the Structure and Mechanical Behavior of Cu-4.98 wt.% Ti Alloy”, Proceeding of euromech, mechamat Conference EMMC2, Magdeburg-Germany, Feb. 23-26, 1998.
- A. A. Hamed and L. Blaz, “ Microstructure of Hot Deformed Cu-3.45 wt.% Ti Alloy”, Materials Science and Eng. A, V254, 1998, pp 83-890.
- A. A. Hamed and L. Blaz, “ Flow Softening During Hot Compression of Cu-3.45 wt.% Ti Alloy ”, Scripta Mater., V37, 1997, pp 1987-1993.
- A. A. Hamed and L. Blaz, “ The Effect of Flow Localization and Shear Bands Development on the Structure and Mechanical Behavior of Cu-4.98 wt.% Ti Alloy”, Journal de Physique(proceedings), V8, 1998, page 189.
- A. A. Abdulwahed, K. Z. Saleeb, A. A. Hamed and K.J.Kurzydowski, " Expressing the flow curves of dual phase HSLA and normalized carbon steels via log-method equation", Proceeding of fourth arab congress on materials science(ACMS-IV), Tripoli-Libya, Sept. 26-28, 2005.
- A. A. Hamed, A. A. Abdulwahed, S. A. Alzarrag and N. A. Al-Hallud, " Feasibility of replacing high conductivity Be-Bronze alloys by Cu-Ni-Al alloys", Journal of Engineering Research, Faculty of Engineering, Tripoli University, V12, Sept. 2009, pp 113-120.
- A. A. Hamed, A. S. Elhakimi and A. Elmehdy, "The interaction of CW CO₂ laser with Zr-coated Cu-substrates",

Journal of Engineering Research, Faculty of Engineering, Tripoli University, V12, Sept. 2009, pp 83-94.

- A. S. Elhakimi, A. A. Hamed, A. O. Rohaia and E. K. Krema, "Structure Evaluation of Dual-Phase Copper-10.2 % aluminum Bronze", Journal of Engineering Research, Faculty of Engineering, Tripoli University, V17, Sept. 2012, pp 31-36.

- M. M. Morgham, A. A. Hamed, N. A. Zriba and H. A. Jawan, "Thermo-Mechanical Treatments of Cu-Ti Alloys", World Academy of Science, Engineering and Technology, 85, 2014.

- Osama A. Terfas, Rida B. arieby and A. A. Hamed, J. of Thermal Engineering, " International Conference on Energy Systems Istanbul 2015 – ICES'15", Dec. 23-25, 2015, Yildiz Technical University, Istanbul, Turkey.

- A. A. Hamed, A. S. Elhakimi, Y. A. Elsayli, K. M. Younes and A. M. Dardour, Journal of Engineering Research, Faculty of Engineering, Tripoli University, V21, Mar. 2016, pp 61.

- J. E. Esalah, A. A. Hamed, Y. A. Elsayli, A. K. El-kelbash and H. F. Baryoun, Journal of Engineering Research, Faculty of Engineering, Tripoli University, V22, Sept., 2016, pp 67.

- A. A. Hamed, A. S. Elhakimi, Y. A. Elsayli, H. Elost and Z. Aboglaila, Al-Ostath Journal, V8, 2015, pp 4.

- Y. A. Elsayli, A. A. Hamed, A. M. Abushrida and R. A. Bzizy, Journal of Engineering Research, Faculty of Engineering, Tripoli University, V55, Sept. 2016, pp 55-65.

- A. S. Elhakimi, A. A. Hamed, Y. A. Elsayli and A. Y. Arebi, Al-Ostath Journal, V57, Jan. 2016, pp 45-78.