

CV

Name: Dr. Mousa May
Associate Prof.
BSc: Chemical Engineering
MSc: Production Engineering
PhD: Chemical Engineering
Faculty of Energy and Mining Engineering
Faculty Dean
Sebha University



Telephone: 00218922533009

Emails: mou.may@sebhau.edu.ly , hsammay1@hotmail.com

- I have got English language skills (Speaking and Writing)
- I have got the computer user skills (Office Groups and Others Programmes)

1. Academic Research interests

Corrosion Engineering, Sol-Gel Coatings, Welding, Adhesive Bonding, Nanotechnology, Bioremediation and biodegradation.

• Personal Profile

- I worked at a Water Desalination Station (Sirt Oil Company, Libya 1996 - 1998)
- Head of Mechanical Workshops Department at Higher Institute of Technology. Sebha - Libya (1998 - 2000)
- Head of Mechanical Engineering Department at Higher Institute of Technology. Sebha - Libya (2000 - 2001)
- Head of Studied and Examination Department at Higher Institute of Technology. Sebha - Libya (2001 - 2002)
- Lecturer at material engineering department at faculty of energy and mining engineering, Sebha University (2011 – 2016)
- Head of chemical engineering department at faculty of energy and mining engineering, Sebha University (2016 – 2017)
- Lecturer at chemical engineering department at faculty of energy and mining engineering, Sebha University (2016 – 2017)
- Dean of Faculty of Energy and Mining Engineering, Sebha University, (2017- Till now).

❖ Conferences

I attended the following conferences:

- National Congress of Engineers 98, Misurata - Libya, 11-13/10/1998.
- Libya Energy Week, Tripoli International Fair Ground, 14 – 17/09/2004.
- UK Corrosion & Exhibition 2007 48th Corrosion Science Symposium, 3rd - 5th September 2007, Sheffield.

- 43rd Annual Conference on Adhesion and Adhesives Automotive and Aerospace Applications of Adhesives and Sealants, Oxford Brooks University, 04/07/2007.
- 8th International Conference on Multiaxial Fatigue & Fracture (8th ICMF&F) in Sheffield, U.K., June 10-14, 2007.
- Third Scientific Symposium for Libyan Student in The UK, Sheffield Hallam University, 12 June 2010.
- I presented a general lecture titled “**The concept of nanotechnology**”, Mechanical Department, Sebha Higher Institute, 2012
- 1st International Conference on Chemical, Petroleum, and Gas Engineering, 20-22 December 2016 — Alkhoms— Libya
- The Engineering and technology Education in Energy Fields (workshop), Faculty of Energy and Mining Engineering, Sebha University, (22\04\2108).
- 1st International Conference in science and technology, 12-14 February 2018 — Sebha University — Libya.
- The second mid-term meeting of ENBRAIN project, Building capacity in renewable and sustainable energy for Libya, 26 - 27 February 2019, Evora – Portugal
- The annual energy sector development forum in Libya, 21 – 22 October 2019, Tunis.

Publications

"Characterization of carbon steel thick welded joints by Electron Beam Welding"

- This is my title project for master degree in the production engineering. It was done in the advanced centre of technology and faculty of engineering (Alfath University), Tripoli - Libya (2005)

The study focused on the effect of welding speed in EBW on penetration and width of the weld. Also, effect of impurities such as phosphors and sulphur on toughness deterioration due to segregation at grain boundaries was studied. I have used the spectrometer analysis and (SEM) scanning electron microscope technique for chemical analysis. In addition, the (HAZ) heat affected zone was studied in the work.

- M.May, H.M.Wang, R.Akid “Effects of the addition of inorganic nanoparticles on the adhesive strength of a hybrid sol–gel epoxy system” International Journal of Adhesion and Adhesives, Volume 30, Issue 6, September 2010, Pages 505-512.
- M.May, H.M.Wang, R.Akid “Bond strength of hybrid sol-gel coatings with different additives” [Journal of Coatings Technology and Research](#), May 2013, Volume 10, [Issue 3](#), pp 407-413.
- M.May, H.M.Wang, R.Akid “Effects of surface conditions on the adhesive strength of the novel composite epoxy/sol-gel material” Journal of sebha university (pure and applied sciences) vol.14, No.1, pp 9-19, 2015.
- Mousa May, H.M.Wang, R.Akid “Influence of adding multiwalled carbon nanotubes on the adhesive strength of composite epoxy/sol-gel materials” Journal of coating technology and research. 13 (2) 325-332, 2016.

- Mousa May “Corrosion behavior of mild steel immersed in different concentrations of NaCl solutions” Journal of Sebha University-(Pure and Applied Sciences), Vol.15, No.1, pp 1-12, 2016.
- Mousa May “The effect of immersion time's in 3.5% NaCl upon the adhesion and corrosion performance of hybrid epoxy/sol-gel system” 1st International Conference on Chemical, Petroleum, and Gas Engineering, 20-22 December 2016 — Alkhoms— Libya. ICCPGE 2016, 1, 25 – 30.
- Taha Abdulla, Mousa May, 2017 “Investigation on The effect of Different Welding Parameters on Welding Quality of 304L Stainless Steel” Journal of Sebha University-(Pure and Applied Sciences), JOPAS, Vol.15, No.2. pp87-97, 2016.
- Abdulhakeem B. Miskeen, Mousa May, Taha Abdullah, 2017 “Capability of Acoustic Emission Technique for Inspecting Manual Arc Welding Defects” Journal of Engineering and Applied Sciences (JERAS), College of Engineering Technology – Hoon – Libya, In printing.
- Mousa May, Balhassn Ali, Heming Wang and Robert Akid “The Adhesive Strength of epoxy/sol-gel Materials Modified by Various Ratio of γ -Al₂O₃ Nanoparticles” Journal of Coating Science and Technology, 2018, 5, 19-26
- Khadija M. El-Solimany, Mousa May, [Mohammed E. Mehrez](#) “Comparative study on bioremediation of oil contamination soils in libya at the alshrara field” Submitted to the 1ST international conference in science and technology, Sebha University, 2018.
- Mousa May, Khadeejah Khalifa, Balhassn Ali “Corrosion Inhibition of Mild Steel by Using Carbimazole/Zn⁺ System in NaCl Medium” American Journal of Mechanical and Materials Engineering, 2019; 3(4): 70-77.
- Alzadma Himed, Mousa May, Balhassn Ali “The Characterization of Libyan Raw Dolomite Samples Using Chemical Techniques” American Journal of Mechanical and Materials Engineering, 2020; 4(2): 18-25.