

## **CURRICULUM VITAE**

**Name:** Mohammed Ali Hassan Soliman

**Gender:** Male

**Nationality:** Egyptian

**Date of Birth:** 22/3/1989

**Current Position:** Teaching Assistant as an Assistance Lecture at  
Department of Mechanic, Faculty of Industrial Education, Sohag University, Sohag Branch,  
Egypt

**Marital Status:** Married with 2 Children

**Work Address:** Department of Mechanic, Faculty of Industrial Education, Sohag University,  
Sohag Branch, Egypt (Postal Code: 82524)

**Mobile:** 002 01273797070

**Mailing Address:** Department of Mechanic, Faculty of Industrial Education, Sohag  
University, Sohag Branch, Egypt (Postal Code: 82524)

**E-mail:** [m.ali613@yahoo.com](mailto:m.ali613@yahoo.com)



## **EDUCATION**

**2016, M.Sc. in Mechanic**, Faculty of Industrial Education, Sohag University, Sohag, Egypt.

**Title** “Synthesis and properties of Ti-Zr-N coatings using pulsed magnetron sputtering”

**2010, B. Sc. in Mechanic** with grade "very good" Mechanic Department, Faculty of  
Industrial Education, Sohag University, Sohag, Egypt.

## **PROFESSIONAL**

**2010-2017** Teaching Assistant as a Demonstrator at Mechanic department, Faculty of  
Industrial Education, Sohag University, Sohag, Egypt.

**2017- till now** Teaching Assistant as an Assistance Lecture, at Mechanic department, Faculty of Industrial Education, Sohag University, Sohag, Egypt.

### **List of publications**

#### **2017**

[1] F. M. El-Hossary, A. M. Abd El-Rahman , Moataz H. Ata, and **M.A.Hassan** " Effect of Nitrogen Gas Ratio on The Properties of Ti-Zr-N Coatings Deposited by Pulsed Magnetron Sputtering in Journal of Engineering Sciences Assiut University Faculty of Engineering Vol. 45 No. 2 March 2017 PP. 142 – 155 (2017).

[2] F. M. El-Hossary, A. M. Abd El-Rahman , Moataz H. Ata, and **M.A.Hassan** " Properties of Nanostructured Ti-Zr-N Thin Films Prepared by Pulsed Magnetron Sputtering: Applied Power Effect in 11th International Conference on Mechanical, Manufacturing and Materials Engineering (ICM3E-17), Dubai (UAE)Vol. 11 issue. 2 PP. 103 – 109 (2017).

#### **2016**

[3] F. M. El-Hossary, A. M. Abd El-Rahman , Moataz H. Ata, and M.A.Hassan , Microstructure and mechanical properties of Ti-Zr-N Coatings prepared by Pulsed Magnetron Sputtering in 3rd Researchers Egypt Universities Conference on South Valley University, Qena, Egypt (2016).

### **Contributions in conferences**

(1) F. M. El-Hossary, A. M. Abd El-Rahman , Moataz H. Ata, and **M.A.Hassan** : Microstructure and mechanical properties of Ti-Zr-N Coatings prepared by Pulsed Magnetron Sputtering; 3rd Younger Researchers Egypt Universities Conference on South Valley University, Qena, Egypt., November 1-3, (2016).

### **Experiences as appear in the publication list**

- 1- Preparation of Thin Film, Hard Material and Metallic Nanoparticles by Physical method.
- 2- Preparation of Nano-Crystalline Thin Films by Pulsed magnetron sputtering Coating System for Mechanical Applications.
- 3- Structural Properties by X-ray Diffraction System.
- 4- Microscopy Techniques including high-resolution Image Analyzer.
- 5- Mechanical Properties such as Hardness, Surface Roughness and wear analysis.
- 6- Chemical Properties such as, Electrochemical and Corrosion Analysis.

## **Courses List of**

1. International computer driver's License (ICDL)
2. English proficiency course held at Sohag University, language, translation center with a percentage of 91%
3. Role of preparation teacher at faculty of education, Sohag University, sohag, Egypt
4. Some courses in faculty and leadership development center in Sohag University, sohag, Egypt
5. Some courses in Information and Communication Technology Project, Sohag University, sohag, Egypt.

## **Community Activities**

1. Participate in Supporting of Excellence Students Projects in Sohag University Entitled University guide project and early detection of fire (2015)
2. Participate in training program for the integration of men and youth against violence based on gender in association for the Improvement of the Status of Women and Children affiliated to CARE International (2017).
3. Participate in Summer Training Program in faculty of industrial education, Sohag University from 2011 till now.
4. Participate in Educational qualification program for teachers of practical materials in industrial schools in faculty of industrial education, Sohag University from 2013 till now.