ABID MAJDI

**ELECTROMECHANICAL ENGINEER**

**Mailing address :**

Mahdia Road Km 7 SakietEddayer 3011 SFAX

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**Phone :** 24 85 35 58

**Date and Place of Birth :** 15 May 1982 TUNIS

**Family situation :** Maried

***Qualifications***

**2013 : Ph.D. in Mechanical** «***Monitoring and diagnosis of fans with acoustic method***»

Laboratory of Mechanics, Modelling and Manufacturing

 (LA2MP) National School of Engineers of Sfax (ENIS - Tunisia)

**2008 : Master's degree in Mechanical and Engineering (option: Dynamic)**

«***Study and optimization of sound insulation walls including multilayered viscoelastic materials*** »

Laboratory of Mechanics, Modelling and Manufacturing

 (LA2MP) National School of Engineers of Sfax (ENIS - Tunisia) and Roberval Laboratory, University of Technology of Compiègne (Roberval, UTC France)

**2006 :**  **Engineering Degree: Electromechanical Engineering**

**« *Study, design and automation of a chroming line* »**

Mechanical Department at the National School of Engineers of Sfax

**2003 :** **National Competition for admission to graduate engineering studies**

Preparatory Institute for Engineering Studies of Tunis

**2001 :** **Mathematical Baccalaureate**

High School 9 April Sidi Bouzid

***Professional courses***

**2005 :**  **Technician training** A Month in the company TPA : electricity and auto mechanics.

**2004 :** **Worker training**

A Month in the company SIDILEC: study of electrical harnesses

**12/2006 Function: Site Engineer**

**🡪7/2007** Support for 8 months to complete assembly of an oil refinery olive removed from Italy and settled in society CHO Company (road Mahdia Sfax).

***Educational activities***

**2011🡪2014 Assistant at the preparatory institute for engineering studies of GAFSA**

*Lesson General Mechanic: 1st and 2nd level preparatory year.
 (Scientific formation)*

**2010-2011 Contractual assistant at the National School of Engineers of Sfax, Départementde Mechanical Engineering (3rd contract)**

*2nd year Engineering Electromechanical Engineer Formation:*

***Power transmission***

*1st year Engineering Electromechanical Engineer Formation:*

***Upgrade mechanical conception.***

**2009-2010**  **Contractual assistant at the National School of Engineers of Sfax, Départementde Mechanical Engineering (2nd contract)**

*2nd year Engineering Electromechanical Engineer Formation:*

***Mechanical conception.***

*1st year Engineering Electromechanical Engineer Formation:*

***Upgrade mechanical conception.***

**2008-2009**  **Contractual assistant at the National School of Engineers of Sfax, Départementde Mechanical Engineering (1st contract)**

*1st year Engineering Electromechanical Engineer Formation*

***Mechanical conception***

*1st year Engineering Electromechanical Engineer Formation*

***Upgrade mechanical conception.***

*2nd year Engineering Electromechanical Engineer Formation*

***Mecanical vibration.***

***Scientific publications***

**Article 1:** Received July 2013, Accepted March 2014

H. Trabelsi,**MajdiAbid**, M. Taktak, T. Fakhfeakh, M. Haddar**.** *“Reconstruction of the unsteady rotating forces of fan’s blade from far-field sound pressure”.*

AppliedAcoustics 2014

**Article 2:** Received **August 2010**, Accepted **February 2012**

**MajdiAbid**, M. S. Abbes, J. D. Chazot, L. Hammemi, M. A. Hamdi, M. Haddar**.** *“Acoustic Response of a Multilayer Panelwith Viscoelastic Material”*.

International Journal of Acoustics and Vibration, Vol. 17, No. 2, 2012

**Article 3:** Received **September 2011**, Accepted **April 2012**

**Majdi Abid**, H. Trabelsi, M. Taktak, J. Antoni, J.M. Ville, T. Fakhfeakh, M. Haddar**.**

*“Tonal prediction of a faulty axial fan”.*

Applied Acoustics,Vol. 73 , Issue 10, 2012

**Article 4:** Submitted 2014

H. Trabelsi; **MajdiAbid**; M. Taktak, T. Fakhfakh; M. Haddar

*“*Sensibility and uncertainty analyzes of the tonal noise modelprediction of an axial fan*”.*

Applied Acoustics.

**Communication 1 :**

**M. Abid,** H. Trabelsi, M. Taktak, M. Haddar**.**

«*Acoustic reconstruction of the unsteady rotating forces of fan’s blade* ».

1st Euro-Mediterranean Conference on Structural Dynamics and Vibroacoustics (MEDYNA 2013), 23 - 25 April 2013,

**Communication 2 :**

**M. Abid,** H. Trabelsi, M. Taktak, M. Haddar.

« *Reconstruction des sources acoustiques dans un ventilateur axial par méthode inverse* ».

5ème Congrès International Conception et Modélisation des Systèmes Mécaniques (CMSM 2013), 25– 27 Mars 2013, Djerba, Tunisie.

**Communication 3 :**H. Trabelsi, **M. Abid**, J. Antoni, J.M. Ville, M.Taktak, T. Fakhfakh, M. Haddar«*Defects Diagnosis of an Axial Fan using the Acoustic Directivity Measurement and Computation* »**.**2nd International Conference Condition Monitoring of Machineryin Non-Stationary Operations (CMMNO 2012) , 26 – 28 mars 2012 , Hammamet,Tunisie.

***Formations***

**February 2012 Pedagogical formation :** GAFSA

**February 2013 Pedagogical formation :** SFAX

**February 2010 English For Academic Purposes \* Listening in academic setting \***

National School of Engineers of Sfax.

**February 2010 English For Academic Purposes \* Speaking in academic setting \***

National School of Engineers of Sfax.

**January 2009 English For Academic Purposes \* Reading research articles \***

National School of Engineers of Sfax.

**January 2009 English For Academic Purposes (30h anglais pour master)**

National School of Engineers of Sfax.

**May 2008 Pedagogical formation**

National School of Engineers of Sfax

***Other skills***

**Informatique:** Microsoft Word, Excel, Power Point, Matlab, AutoCAD, SolidWorks,

CosmosWorks.