

# CURRICULUM VITAE

Dr. Amira Abbassi

*Department of Industrial Engineering,*

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*Northern Border University, Arar, Saudi Arabia*

## • Personal Information

- **Date of birth:** 18 January 1989
- **Nationality:** Tunisian
- **Civil Status:** Married
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## • Academic Qualifications

- **Ph.D. in Mechanical Engineering | September 2019**
  - National School of Engineering of Tunis
- **Research Master's Degree in mechanical Engineering: "Specialty: Production"**
  - National School of Engineering of Tunis

## • Current Occupation

- **Assistant Professor** in the Department of Industrial Engineering, College of Engineering, Northern Border University, Kingdom of Saudi Arabia. (August 2023 - Present).
- **Assistant Professor** in the Physics/ Chemistry Department, Preparatory Institute for Engineering Studies, Bizerte, Tunisia. (September 2020 – July 2023).
- **Associate Professor** in the Department of Mechanical Engineering, Higher Institute of the Technological Studies, Bizerte, Tunisia. (September 2014 – July 2019).

- **Associate Professor** in the Department of Mechanical Engineering, Higher Institute of the Applied Technological Sciences, Kairouan, Tunisia. (September 2015 – July 2017).

## • Teaching and Research Topics

- Engineering Management
- Engineering Drawing
- Basic workshop
- Engineering Sciences and Techniques
- Computer aided design (CAD)
- Industrialization 2
- Industrial Management (Quality and Safety)
- Machining process
- Production method
- CNC Production
- Mechanical construction (CAD)
- Mini-projects
- Computer-aided manufacturing
- Computer-aided drawing
- Production management tools and industrial safety

## • Publications / Conferences

### *Impacted and Indexed Scientific articles*

**Amira Abbassi** , Ali Trabelsi, Sofien Akrichi , Nouredine Ben Yahia  
Assessment of cylindricity and roughness tolerances of holes drilled in marble using multiple regression and artificial intelligence, *Advances in Mechanical Engineering and Mechanics*, 2021, Vol. 13(8) 1–14.

**Amira Abbassi** , Sofien Akrichi , Nouredine Ben Yahia  
Experimental study of drilling white Calacatta–Carrara marble using artificial neural approach, *Advances in Mechanical Engineering* 2019, Vol. 11(3) 1–13

Sofien Akrichi, **Amira Abbassi** , Nouredine Ben Yahia  
Roundness and Positioning Deviation Prediction in SPIF Using Deep Learning Approaches, *Advances in Mechanical Engineering* 2019, Vol. 11(7) 1–15.

**Amira Abbassi** , Sofien Akrichi , Nouredine Ben Yahia  
Application of Artificial Intelligence to Predict Circularity and Cylindricity Tolerances of Holes Drilled on Marble, *Advances in Mechanical Engineering and Mechanics*, pp 128-134, 2019.

Sofien Akrichi , **Amira Abbassi** , Nouredine Ben Yahia  
A New CAD-CAM Approach Using Interacting Features for Incremental Forming Process, *Advances in Mechanical Engineering and Mechanics*, pp 103-111, 2019.

### ***Communications in international and national congress***

**Amira Abbassi** , Nouredine Ben Yahia, Ali Zghal  
Influence of cutting parameters on the optimization of high-speed machining strategies, Tunisian Congress of Mechanics COTUME'2014, Sousse 24-26 March, 2014, Tunisia.

**Amira Abbassi** , Nouredine Ben Yahia, Akrichi Sofien, Ali Zghal  
Development of a model to help choose the machining process for prismatic parts, The International congress for applied mechanics, JET' 2016, Hammamet 03-05 may, 2016, Tunisia.

**Amira Abbassi** , Nouredine Ben Yahia, Akrichi Sofien, Ali Zghal  
Single-point incremental forming surface quality prediction, The International congress for applied mechanics, JET' 2016, Hammamet 03-05 may, 2016, Tunisia.

**Amira Abbassi** , Sofien Akrichi , Nouredine Ben Yahia  
Application of Artificial Intelligence to Predict Circularity and Cylindricity Tolerances of Holes Drilled on Marble, Tunisian Congress of Mechanics COTUME'2018, Hammamet 13-15 October 2018, Tunisia.

Sofien Akrichi , **Amira Abbassi** , Nouredine Ben Yahia  
A New CAD-CAM Approach Using Interacting Features for Incremental Forming Process, Tunisian Congress of Mechanics COTUME'2018, Hammamet 13-15 October, 2018, Tunisia.

## • Participation within the juries of final project thesis

### **End-of-study project supervision:**

**Title:** "Study, design and implementation of a manual workshop gantry»

### **Evaluation of graduation projects:**

- Applied license in mechanical engineering, ISSAT Kairouan, Tunisia.
- Applied license in mechanical engineering, ISET Bizerte, Tunisia.

## • Language & Computer Skills

- **English:** good (Reading/writing/speaking)
- **CFAO Softwares:** SOLIDWORKS, CATIA V5
- **Others:** Microsoft Office

master spécialité productique