



REPUBLIQUE TUNISIENNE

---O---

MINISTRE DE L'ENSEIGNEMENT SUPERIEUR  
ET DE LA RECHERCHE SCIENTIFIQUE

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UNIVERSITE DE TUNIS EL MANAR  
FACULTE DES SCIENCES DE TUNIS

## DIPLÔME DE MASTERE

Le Doyen de la Faculté des Sciences de Tunis, soussigné, atteste que:

Melle : **BESSAIES Hanen**

Née le : **16 - 10 - 1987** à **Béni Khia**

- a réussi les examens du premier semestre du Mastère avec la moyenne générale de : **12.16 / 20**
- a soutenu avec succès son mémoire de Mastère, le **14-12-2012** obtenant la note de : **16.50 / 20** et la mention : **Très Bien.**

Il lui est ainsi décerné le **DIPLOME DE MASTERE DE :**

**CHIMIE ANALYTIQUE**

conformément au Décret n°01-2493 du 31 Octobre 2001.

Fait à Tunis, le **26 -12- 2012**

C.I.N. N° : **06478622.**

Le Doyen

**Pr. Mohamed Tahar JERAD**





[ACCURATE AND TRUE TRANSLATION FROM FRENCH]



REPUBLIC OF TUNISIA

—O—

MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH

—O—

UNIVERSITY OF TUNIS - EL MANAR

FACULTY OF SCIENCES OF TUNIS

**The MASTER'S DEGREE IN ANALYTICAL  
CHEMISTRY**

Be it known to all;

Considering;

The Dean of the Faculty of Sciences of Tunis, hereby certifies that:

**Miss. HANEN BESSAIES**

**Born on October 16<sup>th</sup> 1987 in Beni Khiair [Tunisia]**

- Successfully passed the exams of the first semester of the Master's degree and obtained the General Average of : **12.16 / 20**
- Successfully completed her Master's thesis on **14-12-2012** and obtained the grade of: **16.50 / 20** with "**Highest Honours**".

She is thus awarded the **MASTER'S DEGREE IN ANALYTICAL CHEMISTRY**

In accordance with Decree No. 01-2493 dated on October 31<sup>st</sup> 2001.

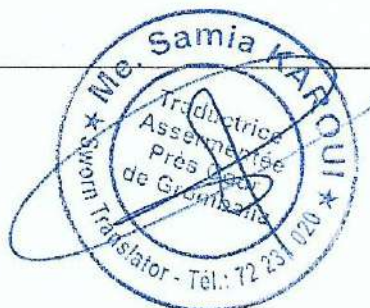
**C.I.N. N°: 06478622**

Dated at Tunis, this 26<sup>th</sup> day of December 2012

Witness my hand and seal: **Pr. Mohamed Tahar JERAD**

**Dean of the Faculty of Mathematical, Physical and Natural Sciences of Tunis**

[Affixed Seal of the Ministry of Higher Education and Scientific Research - University of Tunis - El Manar  
Faculty of Sciences of Tunis]







كلية العلوم للرياضيات  
والفيزياء والطبيعيات  
بتونس

الجمهورية التونسية  
وزارة التعليم العالي والبحث العلمي والتكنولوجيا  
جامعة تونس المنار

## شهادة

- بعد الاطلاع على الأمر عدد 98 لسنة 1960 المؤرخ في 31 مارس 1960 القاضي بإحداث وتنظيم كلية العلوم للرياضيات والفيزياء والطبيعيات بتونس.
- وعلى الأمر عدد 1932 لسنة 1992 المؤرخ في 2 نوفمبر 1992 والمتعلق بتحديد الجهة المختصة بإمضاء الشهادات العلمية الوطنية.
- وعلى الأمر عدد 2333 لسنة 1993 المؤرخ في 22 نوفمبر 1993 والمتعلق بضبط الإطار العام لنظام الدراسات وشروط التحصيل على الشهادات الوطنية للمرحلة الأولى والأساتذية في المواد الأدبية والفنية والمواد المتعلقة بالعلوم الإنسانية والاجتماعية والأساسية والتقنية كما تم تنقيحه وإتمامه بالأمر عدد 1220 لسنة 2001 المؤرخ في 26 ماي 2001.
- وعلى قرار وزير التربية والعلوم المؤرخ في 11 ماي 1994 والمتعلق بضبط نظام الدراسات وشروط التحصيل على شهادة الأستاذية.
- وعلى محاضر جلسات مداورات لجان الامتحانات بالنسبة إلى السنة الجامعية : 2010 / 2009

## شهادة الأستاذية في : الكيمياء

خان بسيس

بني خيار

1987/10/16

06478622

الختم الجاف

2010/06/26

تونس، في

العميد  
حسن العمري

تمنح

بالتفويض من  
مصلحة التعليم العالي  
3600

1996

16/10/16

إلى السيد (ة) الأستاذ

المولود (ة) في

صاحب (ة) بطاقة التعريف الوطنية (جواز سفر بالنسبة إلى الأجانب) رقم :





[ACCURATE AND TRUE TRANSLATION FROM ARABIC]

REPUBLIC OF TUNISIA  
MINISTRY OF HIGHER EDUCATION, SCIENTIFIC RESEARCH AND TECHNOLOGY  
UNIVERSITY OF TUNIS - EL MANAR

FACULTY OF MATHEMATICAL, PHYSICAL AND NATURAL SCIENCES OF TUNIS

## **BACHELOR HONOURS DEGREE IN CHEMISTRY**

Be it known to all;

Considering;

- The Decree nr 1960- 98, dated on March 31<sup>st</sup> 1960, pertaining to the creation and organization of the Faculty of Mathematical, Physical and Natural Sciences of Tunis;
- The Decree nr 1932-1992 dated on November 02<sup>nd</sup> 1992 pertaining to the authority entitled to sign and deliver National Scientific Diplomas;
- The Decree nr 93-2333, dated on November the 22<sup>nd</sup> 1993 relative to the specification of the general frame of studies organization and the conditions of awarding National Undergraduate and bachelor honors degrees in literature, arts, humanities, social, basic & technical sciences as modified by decree nr 2001-1220 dated on May 26<sup>th</sup> 2001;
- The Order of the Minister of Education and Sciences dated May 11<sup>th</sup> 1994 fixing studies and exams organization for obtaining Bachelor's Degrees;
- And given the minutes of the board of examiners for the academic year 2009 - 2010;

### **The BACHELOR HONOURS DEGREE IN CHEMISTRY**

Is conferred upon

**Miss. HANEN BESSAIES**

**Born on October 16<sup>th</sup> 1987 in Beni Khiair [Tunisia]**

**Holder of the National Identity card n° 06478622**

Dated at Tunis, this 26<sup>th</sup> day of June 2010

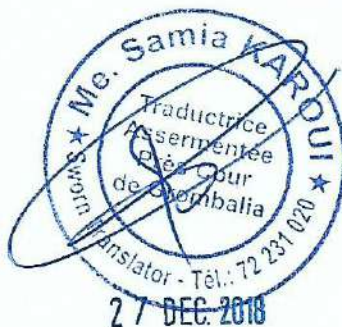
Witness my hand and seal: Hassen AMRI

Dean of the Faculty of Mathematical, Physical and Natural Sciences of Tunis

[Affixed Seal of the Faculty of Mathematical, Physical and Natural Sciences of Tunis - University of Tunis - El Manar]

[AFFIXED DRY SEAL OF THE SAID FACULTY]

Nota: this certificate is issued only once.





# SmartTec

## CERTIFICATE

This is to certify that

Mme. Bessaies Hanen

Has successfully completed the online  
training course on :

HSE Management

From April 27th to May 6th online

SMARTTEC -Certificate number: 8A-FA-HB118

Tunis - May 11th 2020

Dr. -Ing. Wassim MANSOUR

TÜV-Cert Lead Auditor

IRCA & PECB Lead Tutor

**SMART TRAINING  
ENGINEERING & CONSULTING**  
MF: 1608758/Z/A/M/000  
Tél: 71 905 266 / 98 351 065  
93 036 447



# SmartTec

## CERTIFICATE

This is to certify that

Mme. Bessaies Hanen

Has successfully completed the online  
training course on :

Quality Manager

From May 14th to May 23th online

SMARTTEC -Certificate number: 7A-F18-HB1177

Tunis - May 29th 2020

Dr. -Ing. Wassim MANSOUR

TÜV-Cert Lead Auditor

IRCA & PECB Lead Tutor

**SMART TRAINING  
ENGINEERING & CONSULTING**  
MF: 1608758/Z/A/M/000  
Tél: 71 905 266 / 98 351 065  
93 036 447



République Tunisienne Ministère  
de Formation Professionnelle de Travail



# MED Training Center

Agrée sous N° 21-203-14

## CERTIFICATE

Awarded to

*Hanan Bessaies*

For completion of the training course about

**English Skills**

According to the standards and the guidelines set by MED Training Center  
The holder of this certificate has met all the required standards and competed the course

**English of Communication**

Signature of MEDirection  
Mohamed El Khatib El Kaad  
Rue Habib El Kaad  
Téléphone : 2220 604  
Fax : 2222 020

Signature of Trainer  
MED  
Multi Education Development  
Centre de Formation  
Rue Habib El Kaad  
Téléphone : 2220 604  
Fax : 2222 020

May/2014/2017