



WORK OFFER

Ref. No. IN-2019-1420-MJ

Employer Information

Employer: Manipal University Jaipur
Research and development
Manipal University Jaipur
303007 Jaipur
India

Website: japur.manipal.edu

Location of placement: Jaipur, Rajasthan
Nearest airport: Jaipur Airport
Working hours per week: 40
Working hours per day: 8

Number of employees: 450
Business or products: Institute

Student Required

General Discipline: 14A-ENGINEERING, Other
14B-CIVIL ENGINEERING, GEOLOGY AND MINING
26-BIOLOGICAL AND BIOMEDICAL SCIENCES

Completed years of study: 3

Field of Study: 14.0101-Engineering, General.
14.1401-Environmental/Environmental Health
Engineering.
14.0801-Civil Engineering, General.
26.0101-Biology/Biological Sciences, General.
26.0204-Molecular Biology.

Language required: English Excellent

Required Knowledge and Experiences: Trainee should bring a laptop for entire Internship period. Basic understanding of electrochemical processes like fuel cells

Other requirements:

Work Offered

Title : Bioelectrochemical systems for waste water treatment- hands on training

Bioelectrochemical systems (BES) have been employed for various applications in recent years including energy production, wastewater treatment, electrosynthesis and desalination. Bioelectricity generated from the treatment of these wastewaters is an additional energy output from the process along with the possible environmental solution. Since, the treatment mechanism of BES is combination of both microbial and electrochemical reactions, the process can be termed as microbial electroremediation. Microbial electroremediation is still an emerging field of science aimed at harnessing energy from wastewater treatment and it has a potential to boon the waste remediation with net positive energy gain.

The objectives of the project are-
- Basic construction of a Microbial Fuel Cell.
- Treatment of wastewater through it in terms of COD reduction.
- Harnessing electricity generated through it.

Number of weeks offered: 8 - 8
Working environment: Research and development

Within the months: 01-JUL-2019 - 30-SEP-2019
Gross pay: 5,000 INR / Month

Or within: -
Deduction to be expected: 0

Holidays: -
Payment method / frequency: /

Accommodation

Canteen at work: Yes

Expected type of accommodation: Student dormitory
Estimated cost of lodging: 0 INR / Month

Accommodation will be arranged by: IAESTE India LC MUJ
Estimated cost of living incl. lodging: 5,000 INR / Month

Additional Information

The intern shall be provided with FREE Accomodation

Nomination Information

Deadline for nomination: 31-MAR-2019
Please send nominations by: Exchange Platform

Date: 10-JAN-2019
On behalf of receiving country: Krushn Bhuta



STUDENT NOMINATION

Ref. No. IN-2019-1420-MJ

Personal information

Family name: BEN HAMEDOU
First and/or other names: Mohamed
Home address: 30 street 66,1003 EL KHADRA city
Contact address: 30 street 66,1003 EL KHADRA city

Date of birth: 11/05/1995
Place of birth: Sfax
Gender: Male
Nationality: Tunisian

Phone no: +21624551808
Alternative phone no: +21693871955
Email: meddbenhamedou@gmail.com

I have no medical conditions that could prevent me undertaking a traineeship (If you do, please attach the enclosure with details)

Study information

General discipline: Engineering

Languages: French 1, Arabic 1, English 1 (1= excellent, 2=good, 3=fair)

Field of study: Biological and biomedical sciences
Completed years of study: 5
University/College: INSAT

Total years required: 6

Working related information

Desired period of training: From 1/7/2019 to 30/8/2019
Do you wish lodging to be found for you?

[X] Yes [] No

Disclaimer

I agree that the personal data, which has been provided to IAESTE, may be passed to IAESTE member countries (full members, associate members and cooperating institutions) and potential employers for the purpose of arranging my traineeship. Also my personal data may be provided to government authorities for the issuance of visa/work permit purpose and to accommodation providers for the purpose of arranging accommodation. I am aware that I am not allowed to contact the company or the Receiving Country before being accepted. (You are accepted for this training offer only after receipt of the IAESTE acceptance form.) I confirm that all the data I provide is correct.

Date: 8/3/2019

Student's signature

[Handwritten signature]

For internal use

Date: 14/03/2019

On behalf of sending country:



Manipal University Jaipur
Research and development
303007 Jaipur, India
www.jaipur.manipal.edu

Mohamed BEN HAMEDOU
30 street 66,
1003 EL KHADRA city, Tunis
meddbenamedou@gmail.com
tel:+(216)24551808

Subject: Application for an internship under IAESTE program

To whom it may concern,

I am writing to express my interest in the Undergraduate Biological Engineering Intern position for summer 2019 at the MUJ University under the IAESTE program.

I am Mohamed BEN HAMEDOU; I am 23 years old and I am studying at INSAT Tunis which is one of the best engineering schools in the country. It has the same educational system as the INSA network in France majoring engineering in applied science and technology. I am a fourth-year student specializing in Industrial Biology which is a biotech-based program.

I have had an important deal of experience in chemistry and biology both in the lab and on the field. And I have worked as a trainee at both Pastor Institute and the National Institute of Agronomic Research of Tunisia. But most of my experience at our institute's lab is on environmental field studies so it has really become a passion for me.

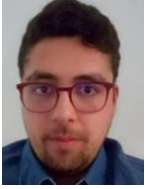
When I heard about the internship at the Manipal University Jaipur, this opportunity naturally attracted my attention. I believe that I would be an asset to your program. This internship would provide me with the ideal opportunity to be a part of this research and to expand my skills alongside experts.

You will find my resume enclosed, which further details my skills, experience and qualifications.

I appreciate your time and consideration for my candidacy for the Scientific Research Summer Internship program.

Sincerely,

Mohamed BEN HAMEDOU



Mohamed BEN HAMEDOU

Industrial biology engineering

meddbenhamedou@gmail.com

30 street 66, EL KHADRA City,
1003 Tunis

Date of birth: 11/05/1998

Tel: + (216)24551808

Education

INDUSTRIAL BIOLOGY Engineering: [National Institute of Applied Science and Technology](#) Tunis, Tunisia

Since September 2014

High School Bachelor: [Sfax Pioneer School](#) Sfax,

Tunisia From September 2010 to June 2014

Internship

Trainee: [Pastor Institute](#) Tunis, Tunisia

From July 2018 to August 2018

Production of recombinant antibodies

Trainee: [National Institute of Agronomic Research of Tunisia](#)

Tunis, Tunisia

From February 2017 to June 2017

Biological activities of noble Laurel essential oil

Certificate

INTERNAL AUDITOR ISO 9001 QUALITY

MANAGEMENT SYSTEMS: [IMDTEC](#) Ariana, Tunisia

November 2018

Certification number : 000000460

Computer skills

Excel, Word, PowerPoint

ANTHEPROT

A protein sequence analysis software

Photoshop

MATLAB

Languages

Arabic

native

English

Fluent spoken and written

French

Fluent spoken and written

German

beginner

Assets

Communication

Time management

Ability to Work Under Pressure

Adaptability

Interests

Camping

Fishing



Subject List (BIOLOGICAL ENGINEERING)

3rd year (2017/2018)	4 th year(2018/2019)
Chemical Analysis	Extraction and purification of biomolecules
Industrial Organic Chemistry	Rheology
Molecular Biotechnologies	Quality metrology and regulation in bio-industry
Physical Analysis & Spectroscopy	Applied biochemistry
Enzymatic Engineering	Toxicology and nutrition
Numerical Analysis	Stabilization processes
Modeling & Simulation of Bioprocess	Fermentary Engineering
Transfer of Material & Heat	Dehydration processes
Thermodynamics & Thermal	Automation in bio-industries
Fluid Mechanics & Hydraulics	Segregation engineering
English I	Dispersed systems and technofunctions
French I	Conservation of biodiversity
Company Communication	Food technology
Sociology of organizations	Bioinformatics
Biosecurity & Bioethics	Optimization and plans of experiences
Genetic Engineering	Enzymatic Process
Microbial Technology	Design Methodology
Vegetal Biotechnology	English
Environmental Biotechnology	Communication
Molecular Pharmacology	Financial management
Applied Immunology	Company law
Biostatistics	Human Resource Management
Engineering of Biocatalysis	Project Management
Mechanics and resistance of Materials	Strategic management
English II	Extraction and purification of biomolecules
French II	Rheology
Arabic	Quality metrology and regulation in bio-industry
Marketing	Applied biochemistry
Professional personal project	Toxicology and nutrition



FATMA AHMED AOUDI

Sworn Interpreter

Ariana Centre – Bureau A 222

Av. 18 janvier 1952 – Ariana 2080

Phone. & Fax: (216 –71) 702.279

E-mail: cabinet.aoudi.de.traduction@gmail.com

(Translated from French)

REPUBLIC OF TUNISIA
MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH
University of Carthage
National Institute of Applied Science and Technology

TRANSCRIPT
ACADEMIC YEAR: 2017/2018

Full name: **Mr. Mohamed BEN HAMEDOU**

Born on the: **11/05/1995** in: **Sakiet Ezzit**

N.I.C number: **11065671**

Registration number: **1400119**

Status: **New**

Degree: **NATIONAL DEGREE OF ENGINEER**

With a major in: **INDUSTRIAL BIOLOGY**

Level of studies: **Third Year**

			Regular Session	Second Chance Session
	Modules	Coef	Pass Mark/20	Pass Mark/20
	A 35 Chemical Analysis	2,50	10,22	
	A 36 Industrial Organic Chemistry	1,50	5,48	
	A 37 Molecular Biotechnology	3,00	13,62	
	A 38 Physical Analysis and Spectroscopy	2,00	13,44	
	A 39 Enzymatic Engineering	3,00	8,55	
	A 40 Numerical Analysis	2,50	10,16	
	A 41 Bioprocess, modeling and simulation	2,50	16,11	
	A 42 Transfer of Material and heat	2,50	8,34	
	A 43 Thermodynamics and heat	2,50	14,66	
	A 44 Hydraulic and Fluids Mechanics	2,00	6,67	
	A 45 English I	1,50	13,58	
	A 46 French I	1,50	11,00	
	A 47 Corporate Communication	1,50	8,82	
	A 48 Organizational studies	1,50	11,21	
	A 49 Biosafety and bioethics	1,50	10,66	
	A 50 Genetic Engineering	2,50	12,76	
	A 51 Microbial Technology	2,50	11,90	
	A 52 Vegetal Biotechnology	2,50	10,04	
	A 53 Environmental Biotechnology	2,50	12,19	
	A 54 Molecular pharmacology	2,00	3,80	
	A 55 Applied Immunology	2,00	9,08	
	A 56 Biostatistics	2,00	10,50	
	A 57 Biocatalysts Engineering	3,00	4,07	
	A 58 Mechanics and strength of materials	2,00	15,37	
	A 59 English II	1,50	12,01	
	A 60 French II	1,50	11,84	
	A 61 Arabic	1,50	8,34	
	A 62 Marketing	1,50	8,00	
	A 63 Professional Personnel Project	1,50	17,50	

Regular	10,67
Second Chance	

Rank: 43/49

Decision of the board of Examiners: **Passes with Pass Degree**

Only one copy of this Transcript shall be issued

Done in Tunis, on 22/06/2018

The General Secretary
Hamouda LIMAME

Signature: illegible

True Certified Translation

Seal: National Institute of Applied Science and Technology
Student Affairs

Date: T. A. MARS 2019



Tunisian Credit Transfer System (20-pt Scale)

Excellent	A	18-20
Very good	B	16-18
Good	C	14-16
Satisfactory	D	12-14
Pass	E	10-12
fail	F	<10



IAESTE - Language Certificate

This sheet must be completed and sent with the O Form if required.

Tick Language to be tested

English French German Spanish Other Please specify _____

Surname: Ben Hamedou	First name: Mohamed
Nationality: Tunisia	Study Course: English
How long have you studied this Language? 14 years	Last Class: 2019
Examinations Achieved and Grade: <i>Please provide additional Certificates if available</i> 825/1000 (Toxic)	Dates of Examinations: 01/2019

To be completed by the Examiner

Knowledge of Required Language

(Please tick one box for each of the four language sections)

1. Comprehension

- Understands conversation and reads without difficulty
- Understands almost everything spoken slowly and clearly
- Understands with difficulty
- Cannot follow conversation and written word

2. Speaking

- Speaks fluently, correctly and is easily understood
- Is understood but is not completely correct and fluent
- Speaks haltingly with many mistakes
- Cannot speak this language

3. Writing

- Writes accurately with ease
- Writes slowly with occasional errors
- Writes with difficulty and makes many errors
- Has no written ability in this Language

4. Reading

- Reads quickly with understanding
- Reads slowly, understanding only some of the text
- Has difficulty understanding and must look up many words
- Cannot understand simple texts

Overall Conclusion

- Excellent Good Fair Poor

Additional Comments:

Examiner: I. BICHIOU	Position: English Teacher
Place and Date: 11/03/2019	Signature:



Certificate of Enrollment

First name Mohamed

Last name BEN HAMEDOU

Date of birth 11/05/1995

Place of Residence TUNIS

Nationality Tunisian

The student is registered at 4th year in industrial biology engineering

will continue his/her studies after the internship yes

Institute of Higher Education INSAT

Faculty university of Carthage

Estimated end of studies (month/year) 06/2020

Name and Address of Institute of Higher Education national institute of applied science and technology 676 INSAT Centre Urbain Nord BPTunis Cedex 1080

Signature and Stamp



Dr. Sami FATTOUCH
676 INSAT Centre Urbain Nord BP
Tunis Cedex 1080
Sami.Fattouch@insat.rnu.tn

Subject: Letter of recommendation

To Whom It May Concern:

Being his professor of bioinformatics and biological engineering at the National Institute of Applied Sciences and Technology (INSAT), I believe Mohamed Ben Hamedou deserves strong consideration for the internship program at the Manipal University Jaipur.

I testify that Mr. Mohamed has always shown great involvement in practical and theoretical courses. The technical and structural content of his work is very relevant, and his sense of responsibility allows me to guarantee his real ability to evolve in this field.

Conscientious, creative and dynamic, Mr. Mohamed is an exemplary student with extreme rigor. I am sure he will spare no effort to excel and succeed in your project and will respond brilliantly to your expectations, you will be very satisfied.

I remain at your disposal for any additional information that you deem useful and I beg you to believe, Madam Director, Mr. Director, in the assurance of my respectful consideration.

Dr. Sami FATTOUCH



Dr. Chokri MESSAOUD
676 INSAT Centre Urbain Nord BP
Tunis Cedex 1080
chok.messaoud@laposte.net

Chok. messaoud@yahoo.fr

Dear selection committee,

I'm writing to recommend my undergraduate student Mohamed Ben Hamedou. I had Mr. Mohamed as my student and research assistant at the National Institute of Applied Sciences and Technology since the 2015 Academic year. Mr. Mohamed is an excellent candidate and I expect him to be successful in your traineeship program for several reasons.

During the time he worked in my lab for the practical for the vegetal biotechnology Mr. Mohamed demonstrated a good work ethic and interpersonal skills. We outlined a scope of work to be completed, and he successfully completed that work in the time required. He put in extra hours as necessary in order to meet specific deadlines that I set.

In summary, Mr. Mohamed is clearly one the most ambitious and enthusiastic students I have worked with in the last 4 years. I would very much like him match to our residency program. Even though I hope he stays here, I think he would be an outstanding asset to your program. I give him my highest recommendation.

I am pleased to remain at your disposal for any additional information you would like to see.

Dr. Chokri MESSAOUD



Dr. Makrem AFIF
676 INSAT Centre Urbain Nord BP
Tunis Cedex 1080
makremaf@yaho.fr

Dear selection committee,

As his Biodiversity Conservation professor, I get request to write internship recommendation on a very regular basis but I felt compelled to write this letter to you in regards to Mohamed Ben Hamedou for your internship. Mohamed's passion for this field makes him the ideal candidate for your organization.

I had the opportunity to work with Mr. Mohamed on several exciting projects and by the same token, I can assure you that he is a diligent, energetic and very talented person in all that it undertakes.

Mohamed has a number of strengths to offer to an employer. He is a team player and a very contributing individual. He is also a very fast learner and knowledge consumer.

In conclusion, I would highly recommend Mohamed Ben Hamedou. If his performance in my class is any indication of how he'd perform in the available position, he will be an extremely positive addition to your team.

I am pleased to remain at your disposal for any additional information you would like to see.

Dr. Makrem AFIF





Certificate of Attendance

The IMDTEC Certifies that

BEN HAMEDOU MOHAMED

Has successfully completed

***INTERNAL AUDITOR
ISO 9001
QUALITY MANAGEMENT SYSTEMS***

By passing the continuous assessment

Course Dates : 07th November - 14th November 2018

Days : 03 Days (21 Hours)

Certification number : 000000460

For IMDTEC Membership Application To Be Made Within 3 Years From Last day of course



Scan QR code for
certificate Validation



Khaled Abozeid

**KHALED SALEH ABOZEID
GENERAL MANAGER**

Original certificates must be embossed with QR code stamp containing the instructor's IMDTEC registration number.
Please contact IMDTEC if you wish to verify.

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