



# Islam SAYAH

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## ABOUT MYSELF

PhD student in Biological Sciences, Biotechnology and Health  
"Curious, motivated and determined"

## WORK EXPERIENCE

09/09/2023 – 06/11/2023 Messina, Italy

**RESEARCH INTERNSHIP** UNIVERSITY OF MESSINA, FACULTY OF VETERINARY SCIENCES

Nutrients extraction from vegetal waste (sugar, protein, fats, minerals, polyphenols)  
Biochemical characterization  
Optimization of extraction process  
Green technology, Circular economy

01/10/2022 – 31/03/2023 Messina, Italy

**DOCTORAL STUDENT RESEARCHER IN THE FRAMEWORK OF THE EUROPEAN PROGRAMME ERASMUS+**  
UNIVERSITY OF MESSINA, FACULTY OF VETERINARY SCIENCES

Isolation and identification of microorganisms from nature sources  
Measurement and evaluation of growth kinetics, fermentation, process optimization

01/01/2021 – 31/12/2021 Bouhjar, Monastir , Tunisia

**TREASURER** THE YOUNG INTERNATIONAL CHAMBER OF BOUHJAR (JCI TUNISIA)

01/02/2019 – 30/11/2019 Tunis , Tunisia

**GRADUATION PROJECT** NATIONAL INSTITUTE OF PHYSICO-CHEMICAL RESEARCH AND ANALYSIS (INRAP)

Study of the effect of bio-enrichment by extracts / natural substances on the oxidative stability of sunflower oil

01/04/2015 – 30/06/2016 Ksar Hellal, Monastir , Tunisia

**HYGIENIST** IBN SINA COMPANY << SAHEL CLINIC >>

Quality audit, infection control nosocomials,  
waste management of care activities

01/01/2014 – 30/04/2014 Ksar Hellal, Monastir , Tunisia

**GRADUATION PROJECT** SAFAA MEDITERRANEAN COMPANY

Assessment of the hygienic quality of cold smoked salmon (*Salmo salar*) within the Mediterranean company Safaa.

## EDUCATION AND TRAINING

01/02/2021 – CURRENT Monastir, Tunisia

**DOCTORATE IN BIOLOGICAL SCIENCES, BIOTECHNOLOGY AND HEALTH** Higher Institute of Biotechnology of Monastir

**Website** [isbm.rnu.tn](http://isbm.rnu.tn)

01/10/2017 – 30/11/2019 Tunis , Tunisia

**MASTER DEGREE IN PLANT BIOLOGY AND PHYSIOLOGY: PLANT PRODUCTIVITY** Faculty of Sciences of Tunis

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Website [fst.rnu.tn](http://fst.rnu.tn)

15/09/2011 – 31/05/2014 Monastir, Tunisia

**BACHELOR DEGREE IN FOOD SCIENCE: FOOD QUALITY CONTROL** Higher Institute of Biotechnology of Monastir

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Website [isbm.rnu.tn](http://isbm.rnu.tn)

15/09/2010 – 30/06/2011 Lamta, Monastir, Tunisia

**BACCALAUREATE DIPLOMA: CERTIFICATE OF COMPLETION OF SECONDARY EDUCATION** Lamta high school

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## ● LANGUAGE SKILLS

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Mother tongue(s): **ARABIC**

Other language(s): **ENGLISH FRENCH**

## ● DIGITAL SKILLS

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Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Origin software (data processing and analysis) | MINITAB software | Reference Management in Zotero, Mendeley | Intermediate knowledge of Inkscape | R Language (RStudio)

## ● DRIVING LICENCE

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Driving Licence: B

## ● HOBBIES AND INTERESTS

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Environment, Biological control, Agroecology, Molecular gastronomy, Green chemistry, biopolymers science, painting, reading books, Volunteering and associative participation, Travelling, sports

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## ● CONFERENCES & SEMINARS

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21/06/2024 – 24/06/2024

**Oral communication at the 33rd international Congress of Biological Sciences and Biotechnology**

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Tunisian Association of Biological Sciences ATSB

12/06/2024 – 14/06/2024 Faculty of Sciences of Tunis, TUNISIA

**Participation to the International workshop on project proposal writing**

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Tips and tricks for project writing and international fund seeking (Learn and Win)

19/04/2024 Mahdia, Tunisia

**Communication with poster at the National Day of Micronutrients and Health**

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Isolation and identification of new cellulose producing bacteria from a Tunisian fermented beverage

16/04/2024 Tunisia

**Participation to the National Intellectual Property Day**

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Biotech Tunisia European Erasmus+CBHE, University of Monastir

09/03/2024

**Training about AI and zotero for bibliographic research and reference management**

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25/11/2023 – 26/11/2023

**Workshop on Phelogenetic Reconstruction: Methods and Tools**

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18/11/2023 – 19/11/2023

**Conference and Workshops on Soft Skills Public Speaking, Interpersonal Communication, Emotional**

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03/07/2023 – 14/07/2023

**Training on Academic English Writing and Presentation**

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09/05/2023 – 10/05/2023

**Workshop in Biostatistics**

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03/05/2023 – 04/05/2023

**Practical Workshop on Open Sources Tools For Scientific Storytelling Scientific infographics**

**Bibliography management with LaTeX**

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11/12/2021 – 12/12/2021

**Workshop on Molecular Docking and Drug Design**

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05/04/2016

**Training on sorting and packaging waste from health activities (DAS)**

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## ● **PUBLICATIONS**

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2024

**Fermentation Techniques and Biotechnological Applications of Modified Bacterial Cellulose: An Up-to-Date Overview**

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## ● **INTERNSHIPS**

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01/06/2022 – 30/06/2022

**Technician at the C.H.U. Microbiology Laboratory << Fattouma BOURGUIBA MONASTIR >>**

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Preparation of culture media

Microbiology technical skills (plate, streak, read)

15/05/2013 – 06/2013

**Technician at the C.H.U. Immunology Laboratory << Fattouma BOURGUIBA MONASTIR >>**

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Elisa, Electrophoresis, Fluorescence Microscope

06/2012

**Technician at the Laboratory of Parasitology- Mycology of the E.P.S <<Fattouma BOURGUIBA MONASTIR >>**

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Parasitological examinations of stools, Scotch test,

Leishmaniasis, malaria