



Meryam Chelly

Doctor of Biology



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Current position: Postdoctoral scholar research, Messina, Italy.

EDUCATION (Formal)

2016 -2020

Doctorate Degree In Biology

Sciences Faculty of Sfax, Tunisia

Degree: Research Doctorate's in Biology

March 2021 **Merit:** very honorable with congratulations of the jury member

Doctorate's research title: "Protective potentials of *Rumex roseus* plant species, against hematotoxicity and inflammation and contribution in the biosynthesis of noble metal nanoparticles"

2013-2015

Research Master's Degrees in Life Sciences (Genomics and Proteomics) (Merit: Good)

Sciences Faculty of Sfax, Tunisia

In this course, a wide variety of subjects were covered, including replication and genomic plasticity, regulation of metabolic pathway, identification of microorganism and systematic, applied microbiology and environmental, gene expression and regulation, signalization and cell communication, genetic of plant, genetic of animals, populations genetic, developmental genetics assessment, genomics and research methods, transcriptome and research methods, multifactorial inheritance and immunogenetics, monogenic inheritance, cancer genetics and oxidative stress and pathology

Degree: Research Master's in Genomics and Proteomics

November 2015

Merit: Very good

Master's research title: "Analysis of Exoma in Two Tunisian Families with Communication Disorders"

2014

Research Master's: Master's of science, technology, health, ecology environment (First year) (Merit: Good)

University of Maine, France

In this course, a complementary subjects were covered, including conservation of animal species.

2013

Diploma of Fundamental License in Life Sciences (Merit: Good)

Sciences Faculty of Sfax, Tunisia

In this course, a wide variety of subjects were covered, including metabolic biochemistry, molecular immunology, bacteriology and virology, genome structure and analysis, genetic engineering, enzyme engineering, allosteric, physiology and technology, neurophysiology, plant biotechnology, endocrinology, biotechnology and purification and protein analysis.

2013

Degree in science, technology, health, biology-biochemistry-earth-Environment (Merit: Good)

University of Maine, France

In this course, a variety of complementary subjects were covered, including animal adaptation, animal species history...

2010- 2012

Diploma of Preparatory Cycle in Biology and Geology (Merit: Average)

Preparatory Institute of Engineering Studies of Sfax, Tunisia

A two-year program which included maths, physics, biochemistry, biology and geology sciences and computer sciences.

2010

Baccalaureate in Experimental sciences (Merit: Good)

Hay Lahbib Secondary School of Sfax, Tunisia

In this course, a wide variety of subjects were covered, including Life and earth sciences, Physical science, mathematics, physical education, Information Technology (IT), languages (Arabic, French, English, and Italian), etc.

Training Internships

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| 3-24 February 2020 | Mobility scholarship in Department of Engineering , University of Messina, C.da Di Dio, I-981 66 Messina, Italy under the supervision of Professor Giovanni Neri . |
| 22 April-8 July 2019 | Mobility scholarship in Department of Clinical and Experimental Medicine , University of Messina, 98125 Messina, Italy under the supervision of Professor Alessandra Bitto . |
| 22 October-22 December 2018 | Mobility scholarship in Department of Bioelectronics and Biosensors , Alagappa University, Karaikudi-630 004, India under the supervision of Professor Chinnathambi Sekar . |
| 15 September 2017-15 July 2018 | Mobility scholarship under the Erasmus + KA107 (2016-1-IT02-KA107-023382) / Project. An Erasmus Intrenship in Department of chemical, biological, pharmaceutical and environmental sciences , university of Messina, 98168 road annunziata, Italy under the supervision of Dr. Antonio Speciale . |
| 22-27 March 2016/10-11 September 2016 | A training course was held at El-fell Hotel of Hammamet: State diploma, first degree fitness, aerobics and dance/Pactical module Theoretical module. |
| 1 March-31 May 2015 | A training course was held at the Higher Institute of Sport and Physical Education of Sfax: Module initiator / Fitness instructor. |
| 1-31 August 2013 | An internship was held at the Kerkennah Regional Hospital, Sfax: Laboratory of Biochemistry. Subject of the internship: to master the technique of blood sampling and some biochemical assays. |

27 May-6 July
2013

An internship was held at the Faculty of Medicine of Sfax:

Laboratory of Human Molecular Genetics.

Subject of the internship: Mastering the technique of DNA extraction.

Trainings, Conferences and Events

- ✦ Training in Leadership (MEPI Program, Association of Women's Enterprise for Sustainability - WES)
- ✦ Training in Social Media (MEPI Program, Association Women's Enterprise for Sustainability - WES)
- ✦ English Communication Training (AIESEC Association)
- ✦ Training in Introductory Presentation Techniques
- ✦ Training in biostatistics (ATPBE Association)
- ✦ Training in Neurolinguistic Programming (NLP)
- ✦ Training in Personal development
- ✦ Training in testing your knowledge
- ✦ ZUMBA training (Basique1 instructor)
- ✦ Conference entitled "Tunisian Health System: Clinical research at the heart of the news"
- ✦ Conference entitled "How to Write, Submit and Publish a Scientific Paper"
- ✦ Event Startup Weekend Sfax: Member of the project named "ALGUA"
- ✦ Conference entitled "Nutraceutica alimentazione e salute " 11-12 may 2018, Messina, Italy.

Congresses and Symposiums

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| 2019 | Poster communication presented at the Third Mediterranean Congress on Bio-analysis in Mahdia, Tunisia. |
| 2018 | Oral communication presented at International Conference on Recent Trends in Zoology, Biodiversity, Genetics & Environmental Sciences 2018 Dec 04-05, 2018 Dr. Venkategiri Gowda Memorial Hall, Jnana Bharathi Campus, Bangalore University Bangalore 560056. India. |
| 2017 | Oral communication presented at the Eighth International Scientific Days on the Bioresources Valorisation (BIOLIVAL 2017) |

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| | Participation in the first symposium on "Biomedical research and animal experimentation" |
| 2017 | Participation on the First Tunisian Zebrafish Workshop Sfax, Tunisia |
| 2017 | Poster communication presented at the twenty-eighth International Congress of biological sciences and biotechnologies (ATSB 2017) |
| 2016 | Oral communication presented at the Fifth International Congress of Physiology and Environmental Monitoring (ATPBE 2016) |

Publications

- ✦ **CHELLY, Meryam, CHELLY, Sabrine, SALAH, Hichem Ben, et al.** Characterization, antioxidant and protective effects of edible *Rumex roseus* on erythrocyte oxidative damage induced by methomyl. *Journal of Food Measurement and Characterization*, 2020, vol. 14, no 1, p. 229-243. **(IF=1.69)**
- ✦ **CHELLY, Meryam, CHELLY, Sabrine, ZRIBI, Rayhane, et al.** Synthesis of Silver and Gold Nanoparticles from *Rumex roseus* Plant Extract and Their Application in Electrochemical Sensors. *Nanomaterials*, 2021, vol. 11, no 3, p. 739. **(IF=4.3)**
- ✦ **Chelly, Meryam, Chelly, Sabrine, Occhiuto Cristina, Cimino Francesco, Cristani, Mariateresa, Saija, Antonina, Muscarà, Claudia, Ruberto, Giuseppe, Speciale, Antonio, Bouaziz-Ketata, Hanen, Siracusa, Laura.** Comparison of phytochemical profile and bioproperties of methanolic extracts from different parts of Tunisian *Rumex roseus*. *Chem Biodivers.* 2021 Apr 16. doi: 10.1002/cbdv.202100185. Epub ahead of print. PMID: 33860977. **(IF=2.039)**
- ✦ **CHELLY, Sabrine, CHELLY, Meryam, SALAH, Hichem Ben, et al.** HPLC-DAD analysis, antioxidant and protective effects of Tunisian *Rhanterium suaveolens* against acetamiprid induced oxidative stress on mice erythrocytes. *Chemistry & Biodiversity*, 2019, vol. 16, no 12, p. e1900428. **(IF=2.039)**

TECHNICAL SKILLS

- ✦ Microsoft Office – **Advanced:** Word, Excel, PowerPoint, Outlook, Microsoft Project...
- ✦ Video editing – **Intermediate**

PERSONAL TRAITS & HOBBIES

- ✦ Poetry translation.
- ✦ Reading books, mainly in French and English.
- ✦ Watching documentaries and films.
- ✦ Swimming and dancing.

LINGUISTIC COMPETENCE

| Language | Order | Spoken | Written |
|----------------|--------------|-----------|-----------|
| Arabic | 1st Language | Excellent | Excellent |
| French | 2nd Language | Excellent | Excellent |
| English | 3rd Language | Excellent | Excellent |
| Italian | 4rd Language | Excellent | Excellent |