



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

3-24 February 2020	Mobility scholarship in Department of Engineering , University of Messina, C.da Di Dio, I-98166 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 Biffo .
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

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)

	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

- ✚ **Meryam Chelly,** Angelo Ferlazzo, Giovanni Neri, Hanen Bouaziz-Ketata, Sabrine Chelly, (2024). Lavandula multifida as a novel eco-friendly fluorescent-blue material for mercury ions sensing in seawater at femto-molar concentration. **Chemosphere (IF=8.943)**. <https://doi.org/10.1016/j.chemosphere.2024.141409>
- ✚ Giuseppe Nocito, Rayhane Zribi, **Meryam Chelly,** Luca Pulvirenti, Giuseppe Nicotra, Corrado Bongiorno, Antonino Arrigo, Barbara Fazio, Giovanni Neri, Francesco Nastasia and Sabrina Conocia (2024). Photochemical synthesis, characterization, and electrochemical sensing properties of CDs-AuNPs nanohybrids. **Nanoscale (IF=8.307)**. <https://doi.org/10.1039/d3nr05897b>
- ✚ **Meryam chelly,** Sabrine Chelly, Giovanni Neri, Hanen Bouaziz-Ketata. (2024). Harnessing Mediterranean Plant Extracts Fluorescent Properties for (Bio) molecule Sensing. **Nova Sciences publishers.**
- ✚ Aref Neifar, Aida Koubaa, **Meryam Chelly,** Sabrine Chelly, Ines Borgi, Wassim Kammoun, Mohamed Boudawara, Choumous Kallel, Saloua Sadok, Hanen Bouaziz, Ali Gargouri. (2022). Safety assessment of fish oil green extraction and in vivo acute toxicity evaluation. (* : A.N et A.K Equally contributed). **Environmental Science and Pollution Research (IF=5.200)**. <https://doi.org/10.1007/s11356-022-22460-8>
- ✚ Nouha Diwani, **Meryam Chelly***, Khaled Athmouni, Sabrine Chelly, Sana Gammoudi, Mouna Turki, Tahia Boudawara, Habib Ayadi, Hanen Bouaziz-Ketata. (2021). β -cyclodextrin microencapsulation enhanced antioxidant and antihyperlipidemic properties of Tunisian Periploca angustifolia roots condensed tannins in rats.(* : corresponding author). **Environmental**

Science and Pollution Research (IF=5.200). <https://doi.org/10.1007/s11356-022-20095-3>

- ✚ Sabrine chelly*, **Meryam Chelly***, Rayhane zibi, Radhouane Gdoura, Hanen Bouaziz-Ketata, Giovanni Neri. (2021). Electrochemical detection of dopamine and riboflavine on screen printed carbon electrode modified by AuNPs derived from Rhanterium suaveolens plant extract. (* : S.C and M.C : Equally contributed). **ACS Omega (IF=3.512)**. <https://doi.org/10.1021/acsomega.1c00793>
- ✚ **Meryam Chelly**, Sabrine Chelly, Cristina Occhiuto, Francesco Cimino, Mariateresa Cristani, Antonina Saija, Claudia Muscarà, Giuseppe Ruberto, Antonio Speciale, Hanen Bouaziz-Ketata, Laura Siracusa. (2021). Comparison of phytochemical profile and bioproperties of methanolic extracts from different parts of Tunisian Rumex roseus. **Chemistry and Biodiversity (IF=2.408)**. <https://doi.org/10.1002/cbdv.202100185>
- ✚ **Meryam Chelly***, Sabrine chelly*, Rayhane zibi, Hanen Bouaziz-Ketata, Radhouane Gdoura, Nehru Lavanya, Ganesan Veerapandi, Chinnathambi Sekar, Giovanni Neri. (2021). Synthesis of Silver and Gold Nanoparticles from Rumex roseus Plant Extract and Their Application in Electrochemical Sensors. (* : M.C and S.C : Equally contributed). **Nanomaterials (IF=5.719)**. <https://doi.org/10.3390/nano11030739>
- ✚ **Meryam Chelly**, Sabrine chelly, Hichem Ben Salah, Khaled Athmouni, Alessandra Bitto, Hanen Sellami, Choumous Kallel, Nouredine Allouche, Radhouane Gdoura, Hanen Bouaziz-Ketata.(2020). Characterization, antioxidant and protective effects of edible Rumex roseus on erythrocyte oxidative damage induced by methomyl. **Journal of Food Measurement and Characterization (IF=1.648)**. <https://doi.org/10.1007/s11694-019-00285-3>
- ✚ Sabrine Chelly, **Meryam Chelly**, Cristina Occhiuto, Francesco Cimino, Mariateresa Cristani, Antonina Saija, Maria Sofia Molonia, Giuseppe Ruberto, Valeria D'Angelo, Maria Paola Germanò, Laura Siracusa, Hanen Bouaziz-Ketata, Antonio Speciale. (2021). Evaluation of antioxidant, antiinflammatory and antityrosinase potential of extracts from different aerial parts of Rhanterium suaveolens from Tunisia. **Chemistry and Biodiversity (IF=2.408)**. <https://doi.org/10.1002/cbdv.202100316>
- ✚ Sabrine chelly, **Meryam Chelly**, Hichem Ben Salah, Khaled Athmouni, Alessandra Bitto, Hanen Sellami, Choumous Kallel, Hanen Bouaziz-Ketata. (2019). HPLC-DAD analysis, antioxidant and protective effects of Tunisian Rhanterium suaveolens against acetamidrid induced oxidative stress on mice erythrocytes. **Chemistry and Biodiversity (IF=2.039)**. <https://doi.org/10.1002/cbdv.201900428>

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