



Leila Benayada

Address: Campus Scientifico "Enrico Mattei". Via Ca' Le Suore, 2. Urbino (PU), 61029, Urbino, Italy (Work)

● WORK EXPERIENCE

20/12/2017 – 20/03/2018 Rabat, Morocco

INTERN BIOLOGY CENTER OF RABAT - BIOCENTRE

- Receipt of samples.
- Performing numerous medical biology analyses such as blood smears and bacterial cultures.
- Observation under the microscope of various biological samples.
- Results compilation and interpretation.

Address 88, avenue des Nations Unies. Agdal, Rabat., 10080, Rabat, Morocco

16/02/2017 – 31/05/2017 Rabat, Morocco

INTERN IBN NAFIS LABORATORY

Data collection and analysis.

Address 8, Avenue Ibn Rochd, Agdal – Rabat, 10080, Rabat, Morocco

● EDUCATION AND TRAINING

01/11/2020 – CURRENT Urbino, Italy

PHD IN BIOMOLECULAR AND HEALTH SCIENCES University of Urbino

Website <https://www.uniurb.it>

14/10/2023 – 02/12/2023 Perugia, Italy

VISITING PHD STUDENT University of Perugia

- Techniques of expression, purification, and analysis of recombinant proteins.

Website <https://www.unipg.it>

15/04/2023 – 13/07/2023 Valencia, Spain

VISITING PHD STUDENT University of Valencia

- Preparation of Natural Deep Eutectic Solvents (NADES) and vegetal extracts.
- Determination of polyphenols.
- Establishing a recovery method for different used resins.

Website <https://www.uv.es>

2021 Urbino, Italy

TRAINING COURSE PF24 University of Urbino

Website <https://www.uniurb.it>

23/10/2018 – 23/09/2020 Cagliari, Italy

MASTER'S DEGREE IN CELLULAR AND MOLECULAR BIOLOGY University of Cagliari

- Molecular Microbiology and Virology
- Molecular Genetics

- Metabolic and Applied Biochemistry
- Cellular and Molecular Physiology

Website <https://www.unica.it> | **Field of study** Biology | **Type of credits** CFU | **Number of credits** 120 |

Thesis "Effect of acute stress on the expression of BDNF and trkB in the mesolimbic system of the Roman rats".

09/2018 – 01/2020 Cagliari, Italy

CERTIFICATE OF ATTENDANCE FOR ITALIAN LANGUAGE COURSES Interdepartmental Center for Teaching Italian to Foreigners

ERASMUS/GLOBUS di Lingua ITALIANA

- 05/02/2020: B2: 26/30
- 25/06/2019: B1: 50/60
- 28/01/2019: A2: 48/60
- 01/10/2018: A1: 56/60

Website https://web.unica.it/unica/it/ateneo_s04_ss11.page

2018 Rabat, Morocco

CERTIFICATE OF ATTENDANCE FOR SPANISH LANGUAGE COURSES Cervantes Institute of Rabat

Spanish course achieved level : A2

Website <https://rabat.cervantes.es/fr/default.shtm>

01/08/2018 – 06/08/2018 Rabat, Morocco

CERTIFICATE OF ATTENDANCE FOR ENGLISH LANGUAGE COURSES Amideast

English course achieved level: Intermediate 3

Website <https://www.amideast.org/morocco>

2017 Rabat, Morocco

DIPLOMA IN FRENCH LANGUAGE STUDIES: DELF B2 French Institute

French language proficiency level B2

Website <https://if-maroc.org/rabat/>

09/2013 – 07/2017 Rabat, Morocco

BACHELOR IN LIFE SCIENCES Mohammed V University

Website <http://www.um5.ac.ma/um5/>

2013 Rabat, Morocco

HIGH SCHOOL DIPLOMA IN LIFE AND EARTH SCIENCES Ibn Sina High School of Rabat

LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
FRENCH	C2	C2	C1	C1	C1
ENGLISH	B2	C2	C1	B2	C1
ITALIAN	C1	C2	C1	C1	B2

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
SPANISH	A2	B1	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Zotero Citations Software

IT tools

Microsoft Word | Microsoft Excel

Data analysis

GraphPad (Intermediate)

ADDITIONAL INFORMATION

PUBLICATIONS

Phenolic Compound Recovery and NADES Recycling from Extracts of Orange By-Products. – 2024
Paper in preparation.

Gómez-Urios C, Benayada L, Esteve M J, Blesa J, Frigola A, Lopez-Malo D.

Callus cultures from the pulp of Malus domestica 'Mela Annurca Campana': first chemical characterization and biological properties investigation.

– 2024

Submitted.

Gubitosa F, Fraternali D, Benayada L, De Bellis R, Gorassini A... & Potenza L.

Long-lasting bioactive compounds production from Malus x domestica Borkh var. Mela Rosa Marchigiana pulp callus culture with antioxidant activity: in vitro, ex vivo and in vivo validation.

– 2024

Gubitosa F, Benayada L, Fraternali D, De Bellis R... & Albertini, M C.

Cydonia oblonga Mill. Pulp Callus Inhibits Oxidative Stress and Inflammation in Injured Cells. – 2023

Gubitosa F, Fraternali D, Benayada L...& Potenza L. Antioxidants; 12,1076.

High production of secondary metabolites and biological activities of Cydonia oblonga Mill. pulp fruit callus.

– 2022

De Bellis R... & Benayada L, Stocchi V, Albertini M C, Fraternali D. Journal of Functional Foods; 94.

CONFERENCES AND SEMINARS

12/2021 – University of Urbino (Italy)

Annual PhD Presentation Oral presentation: "Characterization and study of biological activities of a hydroalcoholic extract from *Cydonia oblonga* callus culture".

07/2022 – University of Urbino (Italy)

PhD Day Oral presentation + Poster: "Evaluation of some biological activities of *Mela Rosa Marchigiana* pulp callus".

12/2022 – University of Perugia (Italy)

TUM interregional Conference Poster: "Evaluation of antioxidant and biological activities of *Mela Rosa Marchigiana* pulp callus extract".

12/2022 – University of Urbino (Italy)

Annual PhD Presentation Oral presentation: "*Mela Rosa Marchigiana* pulp callus extract: enzymatic inhibition and antioxidant properties after *in vitro* gastrointestinal digestion".

07/2023 – Maratea (Italy)

International Summer School on Natural Products Poster: "High production of secondary metabolites and biological activities of *Cydonia oblonga* Mill. pulp fruit callus.

09/2023 – University of Florence (Italy)

SIB Congress Poster: "Callus culture from the pulp of *Malus domestica* 'Mela Annurca Campana': first chemical characterization and biological properties investigation".

10/2023 – Naples (Italy)

IUPAC Symposium ISCNP31 - ICOB11 Poster: "Effects of callus from the pulp of *Malus domestica* cv. 'Mela Annurca Campana' on antioxidant and anti-inflammatory cell models".

11/2023 – University of Valencia (Spain)

37th EFFoST International Conference Poster: "Recovery of polyphenols from NADES extracts of orange peel by three resins' solid phase extraction".

SKILLS

Personal skills

- Collaboration
- Problem-solving and critical thinking
- Decision making
- Adaptability and flexibility
- Willingness to learn
- Attention to detail
- Organizational skills
- Communication
- Multicultural sensitivity

Technical skills

- Plant extractions
- Enzyme activity assays
- Antioxidants assays
- Purification, separation and determination of phenolic compounds
- Griess assay
- Nicking assay
- Cell viability assays: WST-8, MTT
- Electrophoresis
- DNA and RNA extraction
- Real-Time PCR
- Expression, purification, and analysis of recombinant proteins
- In-vitro gastrointestinal digestion
- Medical biology analyses such as blood smears and bacterial cultures.
- Observation under the microscope of various biological samples (blood, urine, cell cultures...).