



ELENA FERRI

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Via Monte Cimone 30, 42123 REGGIO NELL'EMILIA (RE)

Gender: female Data of birth: May 16 1999 Nationality: Italian

WORK EXPERIENCES

COORDINATED AND CONTINUOUS COLLABORATOR

[02/2024 - 10/2024]

University of Modena and Reggio Emilia (MO) ITALY

Main activities and responsibilities:

Sample preparation: extraction of metabolites from biological samples with standardized methods; Analysis based on UHPLC-Q orbitrap; Data processing using Compound Discoverer software; Use of chiral chromatography for the resolution of chiral phytocannabinoids using HPLC-circular dichroism.

Co-supervisor of a thesis in the Pharmacy program titled "Psilocybin: From Hallucinogen to Potential Drug for the Treatment of Neuropsychiatric Disorders".

PHARMACIST

[01/2024 - TODAY]

Farmacia San Terenziano, REGGIO EMILIA (RE) ITALY

Main activities and responsibilities: A healthcare professional who specializes in the safe management and administration of medications to treat various medical conditions. Key responsibilities include accurately dispensing medications, advising on their correct uses, monitoring therapy to ensure effectiveness and safety, and promoting health education.

PHARMACIST TRAINEE

[09/2022 - 03/2023]

Farmacia Bendinelli, REGGIO EMILIA (RE) ITALY

Main activities and responsibilities: Guided experience in pharmacist profession learning. Consulence in medicines and health products; use of instrumental devices for second-level services that can be provided in the pharmacy (measurement of blood pressure, cholesterol, glycemia); preparation of galenic formulations.

LABORATORY TUTOR

[03/2024 - 05/2024]

University of Modena and Reggio Emilia (MO) ITALY

Main activities and responsibilities: Assistance in the Laboratory for the Analysis of Medicines I: 16 hours of assistance to second year students of the Degree Course in Pharmaceutical Chemistry and Technology (CTF) at the University of Modena and Reggio Emilia, dealing with the quantitative analysis of compounds of pharmaceutical interest, according to the procedures reported in the Official Pharmacopoeias.

GRADUATING STUDENT

[04/2023 - 10/2023]

Department of Life Sciences, UNIMORE (MO) ITALY

Main activities and responsibilities: Experimental thesis in analysis of psychotropic compounds of plant origin using advanced analytical techniques at the Pharmaceutical and Biomedical Analysis laboratory of the DSV UNIMORE
Acquired skills and achieved objectives: During this project, I deepened my understanding of research methodologies, honed data processing and analysis skills, and gained proficiency in cutting-edge tools and techniques, such as HPLC-HRMS. Using HPLC and circular dichroism as detectors, I have achieved significant success in separating chiral compounds through chiral columns. Furthermore, I developed an initial approach to the metabolomic analysis of Cannabis using the Compound Discoverer software.

CONFERENCES AND SEMINARS

CONVENTIONS

[17/03/2024]

New Orleans, LA

International Conventions ACS Spring 2024, Co-author of the oral presentation entitled 'Stereochemical evaluation of the main chiral phytocannabinoids in cannabis extracts and enantiomerization studies of cannabichromene and cannabichromenic acid' at the American Chemical Society ACS Spring 2024 conference, session "Bioactive Compounds from *Cannabis Sativa* L: As New Tools for Drug Discovery"

CONVENTIONS

[18/12/2023]

University of Parma campus

XXII Emilia Romagna Chemistry Day of 2023 (GdC-ER 2023), Participation at the XXII Emilia Romagna Chemistry Day of 2023 (GdC-ER 2023) with presentation as first author of the poster entitled "Analysis of phytocannabinoids in hemp seeds: do we know what we eat?"

ACADEMIC STUDIES

MASTER'S DEGREE

[2018 - 2023]

University of Modena and Reggio

Emilia (MO) ITALY



5 years single-cycle degree in PHARMACY

LM-13ante22 - 2nd level degree in Pharmacy and industrial pharmacy

Department of Life Science

Final degree mark: 107/110

Dissertation/thesis title: Phytocannabinoids in the Sprouts of *Cannabis sativa* L.

| Dissertation/thesis subject: Chemical-pharmaceutical industry | Thesis

supervisor: Prof. Giuseppe Cannazza

Graduation date: 26/10/2023

HIGH SCHOOL DIPLOMA

[2018]

REGGIO EMILIA (RE) ITALY

Scientific High School, Applied Sciences option

Aldo Moro, REGGIO NELL'EMILIA (RE)

LANGUAGE SKILLS

ITALIAN

Mother tongue

ENGLISH

LISTENING: B2 READING: B2 WRITING: B2

ISPOKEN INTERACTION: B2 SPOKEN PRODUCTION: B2

FRENCH

LISTENING: A1 READING: A2 WRITING: A1

ISPOKEN INTERACTION: A1 SPOKEN PRODUCTION: A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user

Common European Framework of Reference for Languages

INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Word Processors: Microsoft Word (Advanced) | **Spreadsheets:** Microsoft Excel (Advanced) | **Presentation Software:** Microsoft PowerPoint (Advanced)

APPLICATION SOFTWARE

Borwin - Jasco Europe (HPLC-UV and circular dichroism) (Intermediate), Compound Discoverer Thermo Fisher Scientific (metabolomics) (Foundation), FreeStyle -Thermo Fisher Scientific (mass spectrometry) (Intermediate), Xcalibur - Thermo Fisher Scientific (Intermediate) | **Statistical analysis:** MetaboAnalyst (Foundation)

COMPUTER PROGRAMMING

Programming languages: C++ (Intermediate) , HTML (Foundation)

PROFESSIONAL ACCOLADES AND AWARDS

ENROLLMENT IN THE PROFESSIONAL REGISTER

[05/01/2024]

Ordine dei Farmacisti della provincia di Reggio Emilia

STATE EXAMINATION

[16/11/2023]

Pharmacist

Provincia di Modena

PUBLICATIONS

JOURNAL ARTICLES

1. Caprari C, Ferri E, Schmid MG, Del Mercato LL, Citti C, Cannazza G. Δ9 Tetrahydrocannabinophorol: Identification and quantification in recreational products. *Forensic Chemistry* **2024**;40:100595.

JOURNAL ARTICLES

2. Caprari C, Ferri E, Vandelli MA, Citti C, Cannazza G. An emerging trend in Novel Psychoactive Substances (NPSs): designer THC. *Journal of Cannabis Research*. **2024**;6(1):21.
3. Ferri E, Russo F, Vandelli MA, Paris R, Laganà A, Capriotti AL, Gallo A, Siciliano A, Carbone L, Gigli G, Citti C, Cannazza G. Analysis of phytocannabinoids in hemp seeds, sprouts and microgreens. *Journal of Pharmaceutical and Biomedical Analysis*. **2024**;245:116181.
4. Russo F, Ferri E, Pinetti D, Vandelli MA, Laganà A, Capriotti AL, Cavazzini A, Gigli G, Citti C, Cannazza G. Bidimensional heart-cut achiral-chiral liquid chromatography coupled to high-resolution mass spectrometry for the separation of the main chiral phytocannabinoids and enantiomerization studies of cannabichromene and cannabichromenic acid. *Talanta*. **2024**;267:125161.

ADDITIONAL INFORMATION

- **-Instagram Tutor for Pharmacy** (from 2022 to today): Instagram social page management for the Pharmacy course of studies of the University of Modena and Reggio Emilia.
- **-Ombudsman of A.I.S.F.A.**, Italian Association of Pharmacy Students, **UNIMORE** (from 2021 to 2023): Resolution of any problems and disputes that arise between members or between members and the company.
- **-Alfhaton by Alfasigma** (2020): Participation in the first full digital hackathon organized by Alfasigma dedicated to innovation and pharmaceutical research.
- **-Project "Nessuno Escluso"** (from 2017 to 2019): Computer support for disabled people at the Aldo Moro High School of Science in Reggio Emilia.
- **-NATIONAL PROBLEM SOLVING competition** (2014-2015): Qualification for the Problem Solving Olympics in teams at the national level.
- **-INTERNATIONAL DIVING CERTIFICATE FIPSAS/CMAS 2nd degree, Orientation and Navigation, Deep Diver 42m and Nitrox**: ability to use cylinders with different gas mixtures under pressure.

