

Murgia Denise

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Education

University of Palermo

MSc, Pharmacy, GPA:110/110 summa cum laude.

Relevant Coursework: Pharmaceutical Technology,
Pharmacology, Pharmaceutical Chemistry and Analysis.

*Palermo,
Oct, 2016*

High School G. Salerno

Science High School Diploma in IT , GPA: 94/100.

*Gangi (PA),
2011*

Research Experience

Graduate Researcher | University of Palermo

R&D of Innovative *Drug Delivery Systems*:

- Formulation and characterization of Adhesive DDS, specifically designed for Oral Cavity to delivery active substances and nutraceuticals.
- Use of Micro and Nano technologies.

Organic syntheses of pharmaceutical active and inert substances.

Assessment of chemical stability on 24-h for sterile and injectable Galenic products.

Set up of galenic formulations in accordance with the GMP requirements.

Use of principal instruments for qualitative and quantitative chemical and physical analysis: Uv-Vis, HPLC, FT-IR, GC-MS.

*Palermo,
Jan- June 2017*

MSc Researcher | University of Palermo

Degree thesis entitle: *The illegal medicines e-commerce: analytic analysis and legislation of Anabolic Steroids confiscated.*

Analysis of the chemical composition of medical products from e-commerce , verifying the presence of Anabolic Steroids as active substances and defining other substances (oils used as vehicles and preservatives), not claimed on the label.

*Palermo,
Oct 2015- Oct 2016*

Work Experiences

Teacher / High School I.P.S.I.A. Fermo Corni

Teacher of Chemistry, Biology and Scienze.

*Modena,
Nov 2011-May
2018*

Pharmacist | Central Station Pharmacy

Dispensation of medications and related supplies according to prescriptions written by physicians.

Preparation of special solutions and medications as required.

Consultation to patients regarding the appropriate use of medications and about phytotherapeutic, nutraceutical, homeopathic and cosmetic compounds.

*Palermo,
Feb-Oct 2017*

Additional Experience

Tutor for freshmen | University of Palermo
Helping and orienting freshmen at university.

Palermo,
July-Aug 2013

ERASMUS+: Youth Exchange Projects between European Counties.

An European Mind- Organizer and Team Leader.

"The Sea Around"- Organizer and Team Leader.

"Eye Candy"- Team Leader Italian group.

"Make peace not war"-Team Leader Italian group.

Capaci, 2010
P.Sottana, 2012
Finland 2014.
Netherland 2016.

Skills and Interests

Instruments: spectrophotometer UV-Vis Shimadzu, mod. PharmaSpec 1700, HPLC Shimadzu LC-10AD and Agilent 1260 Infinity, spectrophotometer Perkin-Elmer Spectrum Two.

Computer: Operating system Windows 7/XP, IOS, Microsoft office, Curve Expert 1.4, Kaleidagraph 3.5, EZ start 7.3, OpenLAB CDS ChemStation Workstation, Xcalibur V 1.4, NIST MS Search 2005, Wiley7, Mendeley Desktop.

Languages: Italian (native), English (Fluent).

Skills Profile: Rational, flexible, intuitive and resourceful, with problem-solving skills and capable of working on my own initiative and meet the deadlines. Great team spirit, excellent communication and listening skills and good interpersonal skills. I am discrete, friendly and great mediator.

Interests: Ballet, as classical dancer. Member of cultural association, Pro Loco of P. Sottana.

Publications

De Caro V, Ajovalasit A, Sutera FM, **Murgia D**, Sabatino MA, Dispenza C, 2017. Development and Characterization of an Amorphous Solid Dispersion of Furosemide in the Form of a Sublingual Bioadhesive Film to Enhance Bioavailability. *Pharmaceutics* 2017, 9(3); doi:10.3390/pharmaceutics9030022.

Sutera FM, Giannola LI, **Murgia D**, De Caro V, 2017. Assessment of in vivo organ-uptake and in silico prediction of CYP mediated metabolism of DA-Phen, a new dopaminergic agent. *Computational Biology and Chemistry*, 2017 Sep 28;71:63-69; doi: 10.1016/j.compbiolchem.2017.09.012.