

PERSONAL INFORMATION



**Debora Concetta Santonocito**

📍 via Campanazza 9, 95030 SAN PIETRO CLARENZA (CT)

☎ 095/520415 📠 3495167267

✉ [debora.santonocito@outlook.it](mailto:debora.santonocito@outlook.it)

Sex Female | Date of birth 02/02/1990 | Nationality Italian

WORK EXPERIENCE

May 2016 - Jun 2017

**Collaborator**

Formulation of nanoparticles systems (SLN,NLC, LDC).  
Extraction of natural active substances from plant matrix.  
University of Catania (CT) ITALY.  
*Business or sector* R&D and patents, chemical-pharmaceutical industry.

2014 - 2014

**Undergraduate Internship**

Farmacia Pappalardo

EDUCATION AND TRAINING

Oct 2017- Oct 2020

**PhD student in chemical sciences**

EQF level 8

University of Catania (CT) ITALY. Description: Formulation and characterization of stealth lipid nanoparticles (s-SLN) to optimize the parenteral/ocular administration of active natural products.

Jul 2017- Sep 20

**Student grant**

University of Catania (CT) ITALY. Description: Research scholarship 'optimization of the formulation process of lipid nanoparticles containing crocin and crocetin'.

2009-2016

**Degree in chemistry and pharmaceutical technology**

University of Catania (CT) ITALY. Description: Evaluation of antioxidant and anticancer activity of compounds extracted from Crocus Sativus L. through lipid nanoparticles.

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

|         | UNDERSTANDING |         | SPEAKING           |                   | WRITING |
|---------|---------------|---------|--------------------|-------------------|---------|
|         | Listening     | Reading | Spoken interaction | Spoken production |         |
| English | B1            | B2      | B1                 | B1                | B2      |

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills

- Excellent interpersonal skills.

**Organisational / managerial skills** ▪ Excellent organizational and responsibility skills partly inborn and partly acquired during part-time collaboration at the University.

**Job-related skills** Excellent skills in laboratory techniques, concerning the extraction of the active ingredients from the plant matrix.  
Preparation and characterization of nanoparticle systems.  
Studies on percutaneous absorption using Franz cells.  
▪ Good knowledge of the Office package, e-mail and web browsers.

**Driving licence** B

#### ADDITIONAL INFORMATION

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**Publications** "Lipid Nanoparticles And Active Natural Compounds: A Perfect Wedding For Pharmaceutical Applications".  
Puglia, Pignatello, Fuochi, Furneri, Lauro, Santonocito, Cortesi, Esposito. Curr Med Chem (2019)

"Nanotechnological approach to increase the antioxidant and cytotoxic efficacy of crocin and crocetin";  
Puglia, Santonocito, Musumeci, Cardile, Graziano, Salerno, Raciti, Crascì et al. ; Planta Med (2018)

"Innovative Nanoparticles Enhance N-Palmitoylethanolamide Intraocular Delivery";  
Santonocito, Puglia, Blasi, Ostacolo, Sommella, Bucolo, Platania, Romano, Geraci;  
Frontiers in Pharmacology (2018)

"Ethosomes and organogels for cutaneous administration of crocin.";  
Esposito, Drechsler, Huang, Pavonia, Cortesia, Santonocito, Puglia. ; Biomed Microdevices (2016)

**Presentations** "Freeze drying optimization of lipid nanoparticles for naproxen delivery: formulation, characterization and effect of cryoprotectant agents" ; D. Santonocito and C. Puglia. (2018)

"Lipid nanoparticles based on crocin and crocetin: antioxidant activities" ;  
Puglia, Santonocito, Musumeci, Crascì, Panico, Cianciolo (2018)