



Nina Burduja

Gender: Female | Email address: nina.burduja@studenti.unime.it

EDUCATION AND TRAINING

01/09/2015 – 29/07/2021 MESSINA, Italy

MASTER'S DEGREE IN PHARMACEUTICAL CHEMISTRY AND TECHNOLOGY University of Messina (CHIBIOFARAM department)

Address Piazza Pugliatti 1, 98122, MESSINA, Italy | **Website** <https://www.unime.it/it> | **Final grade** 109/110 |

Type of credits CFU | **Number of credits** 300 |

Thesis Experimental - "Effects of a pinitol-rich Glycyrrhiza glabra L. leaf extract on adipogenesis process in hypertrophic murine adipocytes"

11/01/2022 – CURRENT MESSINA, Italy

PHD IN CHEMICAL SCIENCE University of Messina in collaboration with CNR-ISMN

Address Viale Ferdinando Stagno d'Alcontres, 31, 98166, MESSINA, Italy | **Website** <https://www.unime.it/it> |

Field of study Biodegradable NANOMaterials based on CYCLOdextrins as molecular carriers for bio-transport and monitoring of chemo- and bio-species (NANOCICLOTRAM)

22/11/2021 Messina, Italy

PHARMACIST QUALIFICATION University of Messina

Address Piazza Pugliatti 1, 98122, Messina, Italy

02/2023 – 07/2023 Budapest, Hungary

INTERNSHIP IN PRECLINICAL PHARMACEUTICAL COMPANY CarboHyde

Website <https://www.carbohyde.com/>

05/2023 – 07/2023

MISSIONE CRA (SPECIALIZED COURSE IN CLINICAL RESEARCH)

Website <https://www.missionecra.com>

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN** | **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2			B2	

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

● ADDITIONAL INFORMATION

PUBLICATIONS

["Supramolecular assembly of Pentamidine and polymeric cyclodextrin bimetallic core-shell nanoarchitectures"](#)

– 2022

[Evaluation of paraoxonase activity and association with serum advanced glycation end products as reliable markers of oxidative stress in Hashimoto's thyroiditis](#)

– 2022

[Antimicrobial and Antibiofilm Photodynamic Action of Photosensitizing Nanoassemblies Based on Sulfobutylether- \$\beta\$ -Cyclodextrin](#)

– 2023

[Evaluation of paraoxonase \(PON-1\) activity and advanced glycation end-products \(AGES\) as reliable markers of oxidative stress in graves' disease patients](#)

– 2023

CONFERENCES AND SEMINARS

24/03/2022 – 24/03/2022 – Webinar (SIFB)

Designing luminescent molecular and hybrid systems for staining cells and biomaterial

11/02/2022 – Webinar (SYMAT Group Meeting)

Controlled Liposome Delivery from Chitosan Based Thermosensitive Hydrogel for Regenerative Medicine

21/01/2022 – Webinar (SYMAT Group Meeting)

Star PLA-PEG based nanoparticles for docetaxel and doxorubicin delivery

14/03/2022 – Webinar (SYMAT Group Meeting)

Formulation and Characterization of PLA-PEG Drug Delivery Systems incorporating Antibacterial Linezolid

07/02/2022 – Webinar (SYMAT Group Meeting)

Engineered Magnetic Nanomaterials for Antitumoral Therapies

04/03/2022 – Webinar (SYMAT Group Meeting)

Photoresponsive nanoassemblies for osteoarticular disease/CAPTISOL®/H2T4 supramolecular complexes

13/06/2022 – 17/06/2022 – 20th International Cyclodextrin Symposium congress, Giardini Naxos (Messina)

Nanocomplexes of Captisol® and a cationic porphyrin for pathogens sensing and effective antimicrobial photodynamic therapy Poster presentation

28/04/2022 – Webinar (SIFB)

Photodermatoses and photodiagnostic methods

24/05/2022 – University of Messina

Nanomaterials used to prepare chemically modified electrodes

04/07/2022 – University of Messina

Host-guest systems for energy conversion

29/09/2022 – University of Messina

Inspired by siderophores: from structural probes of ferric ions assimilation to Ga-68/Zr-89 nuclear imaging

26/09/2022 – 28/09/2022 – University of Messina

Phytotherapy in the management of diabetes

18/07/2022 – 19/07/2022 – SIFB 2022 Annual Congress on Photobiology, Bressanone (Italy)

Sulfobutylether β cyclodextrin/porphyrins nanocomplexes for pathogens sensing Oral presentation

04/09/2022 – 07/09/2022 – V International Summer School on Cyclodextrins, Ascea (Italy)

Anti-inflammatory Nanotherapeutics based on Polymeric Cyclodextrin, Hyaluronic acid and Diclofenac Supramolecular Assemblies Poster presentation and oral presentation

29/11/2022 – 30/11/2022 – DOCTOCHEM 5th Edition, Messina

Nanocomplexes of Captisol® and a cationic porphyrin for pathogens sensing and effective antimicrobial photodynamic therapy oral presentation

02/12/2022 – 03/12/2022 – SCICaSi2022, Reggio Calabria

Supramolecular assemblies based on Polymeric Cyclodextrin, Hyaluronic acid and Diclofenac as anti-inflammatory nanodrug oral presentation

27/08/2023 – 31/08/2023 – 20th Congress of the European Society for Photobiology, Lyon

Curcumin-loaded hydrogels as antimicrobial photosensitisers in the treatment of post-surgery infections poster presentation

05/09/2023 – 08/09/2023 – 7th European Cyclodextrin Conference, Budapest

Polymeric Cyclodextrins for Intra-Articular Therapy: Novel Nanoassemblies fighting Localized Inflammation in Osteoarthritis oral presentation

13/04/2023 – 13/04/2023 – Webinar (SIFB)

Limitations of PDT: strategies to improve the efficacy

16/03/2023 – Webinar (SIFB)

Light -controlled enhancement of anti-cancer drugs
