



MARTA GUERINI

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Born in Iseo (BS) on 14 December 1994

Instruction

Degree with honors in pharmacy on 19/07/2018 in Pavia.

Currently PhD student in Chemical and Pharmaceutical Sciences and Industrial Innovation (XXXIII Cycle) at University of Pavia.

I spent my degree internship in a microbiology laboratory, studying the antibacterial properties of functionalized surfaces, thanks to silver ions release and to photothermic activity.

My PhD project aims to understand new technological approaches for the eradication and/or prevention of *Pseudomonas aeruginosa* biofilm in patients affected by lung diseases.

Experiences

I attended the Queen's University of Belfast (UK) for 3 months in order to learn how to develop and characterize dissolving microneedles (MNs).

Publications

Paredes, A., Volpe Zanutto, F., Permana, A., Murphy, A., Guerini, M., Coulter, J., & Donnelly, R. (2020). *Poster abstract: Novel dissolving microarray patches for intradermal delivery of finasteride*. Abstract from CRS 2020 Virtual Annual Meeting, Las Vegas, United States.

Guerini, M.; Perugini, P.; Grisoli, P. Evaluation of the Effectiveness of N-Acetylcysteine (NAC) and N-acetylcysteine-cyclodextrins Multi-Composite in *Pseudomonas aeruginosa* Biofilm Formation. *Appl. Sci.* 2020, *10*, 3466.

Perugini P., Bonetti M., Guerini M., Musitelli G., Grisoli P. A new protocol to evaluate anti-adhesive effectiveness against fungal nail infections. *Under Submission*.