

Alessandra Narciso

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Education and Training

2021-2024 PhD in Ecology and Sustainable Management of Environmental Resources at the University of Tuscia (Viterbo, Italy), tutor Dr. Anna Barra Caracciolo (IRSA-CNR).

2020 Master's Degree in Ecobiology (110/110 cum laude) at Sapienza University of Rome - experimental thesis entitled "Evaluation of the potential environmental effect of lubricating foaming agents containing anionic surfactants".

2019-2020 Master's Degree internship at the Laboratory of Soil and Water Ecology of the IRSA-CNR (Montelibretti, RM).

2018 Bachelor's degree in Biology at the Sapienza University of Rome.

Internships and Training Schools

2022 1 Month-Internship at the at the Laboratory of research group GIAAMA, Department of Agrochemistry and Environment, in the Escuela Politécnica Superior de Orihuela (EPSO), Miguel Hernández University of Elche (Spain).

2022 COST Action PERIAMAR and the research project Gogofrog Training school (TS): The 3 R's in Amphibian Ecotoxicology, Aveiro (Portugal) 23-24 March.

Participation in Workshops/Congresses

2023 Participation at 2nd Workshop SETAC Italian Branch Language, Rome 11 October 2023 with a poster entitled "Ecological multidisciplinary studies for bioremediation of contaminated water and soils".

2023 Participation at SETAC Dublin - SETAC Europe 33rd Annual Meeting, Dublin 30 April-4 May 2023 with a poster entitled "Evaluation of Antibiotics and Copper Mixture Effects on Test Organisms, Natural Soil Microbial Communities, and Plant Growth: An Ecological Study at Different Hierarchical Levels". Abstract Book, 255.

2022 Participation at 3rd International Conference on Microbial Ecotoxicology-EcotoxicoMic, Montpellier, France, 15-18 November 2022 with a poster entitled "Evaluation of the ecotoxicological effects of sulfamethoxazole, ciprofloxacin, and tetracycline alone or in chemical mixtures on the bacterium *Aliivibrio fischeri*".

2022 Participation at 1st Workshop SETAC Italian Branch Language, Siena 15 September 2022.

2022 Participation at XXXI Congress of the Italian Society of Ecology (SitE), Siena 13-15 September 2022 with a poster entitled "Effects of the co-presence of antibiotic mixture and copper in soil amended with cattle manure or digestate on the microbial community". Abstract book, 131.

Scientific publications

Narciso A, Barra Caracciolo A, Grenni P, Rauseo J, Patrolecco L, Spataro F, Mariani L. Application of the *Aliivibrio fischeri* bacterium bioassay for assessing single and mixture effects of antibiotics and copper (2023), FEMS Microbiology Ecology, Volume 99, Issue 11. <https://doi.org/10.1093/femsec/fiad125>

Narciso A, Barra Caracciolo A, De Carolis C. Overview of Direct and Indirect Effects of Antibiotics on Terrestrial Organisms. *Antibiotics*. 2023; 12(9):1471. <https://doi.org/10.3390/antibiotics12091471>

Mariani L, Grenni P, Barra Caracciolo A, Pescatore T, Spataro F, Rauseo J, **Narciso A**, Patrolecco L (2022). Use of the *Heterocypris incongruens* bioassay for assessing ecotoxicity of soils containing the anionic surfactant sodium lauryl ether sulphate (SLES). *Ecological Indicators*, 145, 109597. <https://doi.org/10.1016/j.ecolind.2022.109597>