PERSONAL INFORMATION

Salvatore Barreca

N 6, Via Eleonora D'angiò, Catania, CT, 95125, Italy

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salvatore.barreca@unict.it

https://scholar.google.it/citations?user=FKMy5HgAAAAJ&hl=it

Sex Male | *Date of birth* 27/11/1986 | *Nationality* Italian

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
☐ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☒ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

from 28/10/202 – to current

Researcher RTD-B

University of Catania

- Teaching and research activities concerning Analytical Chemistry

Business or sector (education, research and development)

from 01/12/2018 to 27/10/2020

Analytical Chemist

Regional Agency for the Protection of the Environment (Italy) ARPA Lombardia

- Metal Analysis in environmental matrices, emerging water pollution (European Watch List for water) and PFAs, Herbicide, Hormones in water samples by LC MS/MS

Business or sector (environmental analyses)

from 28/05/2018 to 30/11/2018

Researcher RTD-A

University of Palermo

- Teaching and research activities concerning Analytical Chemistry

Business or sector (education, research and development)

from 18/05/2015 to 31/11/2016

Analytical Chemist

Regional Agency for the Protection of the Environment (Italy) ARPA Lombardia

- Metal Analysis in environmental matrices

Business or sector (environmental analyses)

EDUCATION AND TRAINING

from 01/001/2012 to 31/12/2014

PhD in Chemistry

University of Palermo

- PhD Thesis "Development and optimization of procedures for the purification of extracts and for treatment of contaminated matrices"

09/11/2011

M. Sc degree in Chemistry 110/110 cum laude

University of Palermo

- Environmental chemistry
- Instrumental chemical analysis
- Photochemistry
- Data validation and quality assurance

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English
Understanding (B2), Speaking (B2), Writing (B2)

Job-related skills good technical and administrative management of laboratory- evaluation, hiring and training of analytical chemist students

Digital skills Good knowledge of Microsoft Office, Statistical Analysis packages and Multivariate/Chemometric packages (XLstat), Fortran 77, Agilent ChemStation, Perkin Elmer and Symyx Lab Automation products, Shimadzu software.

Other skills maintenance engineer of analytical instrument (GC-MS, HPLC-MS, ICP-OES, ICP-MS)

ADDITIONAL INFORMATION

Publications **Relevant** publications

Salvatore Barreca, Maddalena Busetto, Luisa Colzani, Laura Clerici, Daniela Daverio, Pierluisa Dellavedova, Stefania Balzamo, Elisa Calabretta, Vanessa Ubaldi.
Determination of estrogenic endocrine disruptors in water at sub-ng L−1 levels in compliance with Decision 2015/495/EU using offline-online solid phase extraction concentration coupled with high performance liquid chromatography-tandem mass spectrometry 147, Microchemical Journal, 2019, 1186-1191

Barreca, S., Busetto, M., Vitelli, M., Colzani, M., Clerici, L., Dellavedova, P.
Online Solid-Phase Extraction LC-MS/MS: A Rapid and Valid Method for the Determination of Perfluorinated Compounds at Sub ng·L Level in Natural Water. (2018) Journal of Chemistry

Savoca, D., Arculeo, M., Barreca, S., Buscemi, S., Caracappa, S., Gentile, A., Persichetti M.GF, Pace, A. Chasing phthalates in tissues of marine turtles from the Mediterranean sea. Marine Pollution Bulletin, 127, (2018), 165-169

Barreca, S., Orecchio, S., & Pace, A. (2014).
Photochemical sample treatment: A greener approach to chlorobenzene determination in sediments. Talanta, 129, 263-269.

Barreca, S., Orecchio, S., & Pace, A. (2014).
The effect of montmorillonite clay in alginate gel beads for polychlorinated biphenyl adsorption: Isothermal and kinetic studies. Applied Clay Science, 99, 220-228.

Barreca, S., Indelicato, R., Orecchio, S., & Pace, A. (2014).
Photodegradation of selected phthalates on mural painting surfaces under UV light irradiation. Microchemical Journal, 114, 192-196.

Barreca, S., Colmenares, J. J. V., Pace, A., Orecchio, S., & Pulgarin, C. (2014).
Neutral solar photo-Fenton degradation of 4-nitrophenol on iron-enriched hybrid montmorillonite-alginate beads (Fe-MABs). Journal of Photochemistry and Photobiology A: Chemistry, 282, 33-40.

Barreca, S., Orecchio, S., & Pace, A. (2013).
Photochemical sample treatment for extracts clean up in PCB analysis from sediments. Talanta, 103, 349-354.