

CURRICULUM VITAE Dr. Salvatore Barreca

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- Born in Palermo (Italy) on 27 November 1986.

**Present position (from 28 October 2022):** Assistant Professor (RTD-B) in the Department of Chemical Science, University of Catania. Research interests: Development and validation of analytical procedures for determination of pollutants and contaminations in different matrix: photochemistry of surface and atmospheric waters; heterogeneous photocatalysis and its applications in the environmental fields, application of advanced oxidation processes (Fenton reaction,) to water and soil remediation, chemical education.

As of May 2023, the Scopus database reported 36 entries under his name, with h-index = 18 and around 760 citations. He also authored one patent, one book chapter, and presented more than 13 congress communications.

Was co-supervisor of three M. Sc. Thesis in the field of Analytical and Environmental Chemistry

From 09 January 2020 obtained National Scientific Qualification to becoming associate professor in Analytical Chemistry

#### **Previous activities**

- Academic Year 2021 2022 Milano University Contract Professor for Analytical Chemistry
- Academic Year 2020 2021 Milano University Contract Professor for Analytical Chemistry
- December 2018 to 28 October 2022 Permanent Chemist at Environmental Regional Protection Agency for Lombardia Region
- May 2018 to December Assistant Professor (RTD-A) at Palermo University for Analytical Chemistry
- Novembre 2016 to May 2018 Chemist at Environmental Regional Protection Agency for Lombardia Region
- May 2015 to August 2016 Chemist at Environmental Regional Protection Agency for Lombardia Region
- January 2012 to December 2014. Ph. D. course in Chemistry, University of Palermo. Ph. D. thesis: "Development and optimization of procedures for the purification of extracts for analytical purposes and for contaminated matrix treatments. ", supervisor Prof. Santino Orecchio and Prof. Andrea Pace .
- February 2013 to July 2013 Assistant at Ecole Polytechnique Federale De Lausanne (Group Advanced Oxidation Processes coordinator Prof. Cesar Pulgarin)

From January 2013 to Decembre 2018 was component of Section for Euro Mediterranean Institute Of Science and Technologies (IEMEST)

- M. Sc. Degree in Chemistry obtained on 09 November 2011 at the University of Palermo. Mark: 110/110 with highest honors. Discussion of the thesis: "Development and application of new analytical method for the determination of PCB in sediment samples form Scoglitti", supervisor Prof. Santino Orecchio Prof. Antonio Mazzola

#### **Journal and Editorial activities**

- From 2022: Editorial board member, (ACCEDEMIC EDITOR) Journal of Chemistry Hindawi

Was Guest Editor for three special issue

Separations Special Issue “HPLC- a Key Tool in Analytical Chemistry”

Pollutants Special Issue “Analysis of Trace Pollutants in Complex Matrices”

Separations Special Issue “Hyphenated Separation Approaches”

Was reviewer for several journals:

Journal of photochemistry and photobiology B (ELSEVIER)

Water science and technology (IWA)

Desalination and water treatment (Taylor and Francis)

Chemical Engineering Journal (ELSEVIER)

Analytical and bioanalytical chemistry (SPRINGER)

Molecules (MDPI)

Separations (MDPI)

Food Chemistry (ELSEVIER)

Food (MDPI)

Water (MDPI)

Environmental Science and Pollution Research (ELSEVIER)

Nanomaterials (MDPI)

### ***Scientific Collaborations***

Dr. Salvatore Barreca since 2013 has collaborated with several national and international research groups.

University of Palermo Prof. S. Orecchio, Prof. A. Pace

(IEMEST) Via Emerico Amari 123, 90139 Palermo, Italy,

École Polytechnique Fédérale de Lausanne (EPFL) GPAO group Prof. Cesar Pulgarin, Institute of Environmental Engineering, Laboratory for Environmental Biotechnology, Swiss Federal Institute of Technology – École Polytechnique Fédérale de Lausanne (EPFL), CH-1015 Lausanne, Switzerland.

University of Palermo Prof. Antonio Mazzola Department of Earth Science and Sea (DISTEM)

Istituto per l'Ambiente Marino Costiero (CNR-IAMC), Messina, Italy,

University of Messina Università Prof. Concetta De Stefano

Istituto Zooprofilattico Sperimentale della Sicilia, Via Marinuzzi 6, Palermo, Italy

Istituto Superiore per la Protezione e la Ricerca Ambientale, Via V. Brancati 48, 00144 Rome, Italy

Department of Agricultural, Food and Forest Sciences, -Università degli Studi di Palermo, Viale delle Scienze 13, Building 4, 90128 Palermo, Italy

Department of Biological, Chemical and Pharmaceutical Sciences and Technologies, Laboratory of Chemistry, Università degli Studi di Palermo, Viale delle Scienze, Building 16, 90128 Palermo

Italy; -Research Consortium for the Development of Innovative Agro-Environmental Systems (CoRiSSIA), Via della Libertà 203, 90143 Palermo, Italy;

European Commission, Joint Research Centre (JRC), Via E. Fermi 2749, 21027 Ispra, VA, Italy

Department of Biology, Norwegian University of Science and Technology (NTNU), NO-7491 Trondheim, Norway

French National Institute for Industrial Environment and Risks (INERIS), UMR-I 02 SEBIO, 60550 Verneuil-en-Halatte, France

Department of Plant and Environmental Sciences, The Alexander Silberman Institute of Life Sciences, The Hebrew University of Jerusalem, Jerusalem 91904, Israel

RECETOX, Faculty of Science, Masaryk University, Kamenice 5, CZ62500 Brno, Czech Republic

Federal Institute of Hydrology, Am Mainzer Tor 1, D-56068 Koblenz, Germany

ISS-National Health Institute, Viale Regina Elena 299, 00161 Rome, Italy

Center for Environmental & Human Toxicology, Department of Physiological Sciences, College of Veterinary Medicine, University of Florida, Gainesville, FL, USA

Department Cell Toxicology, Helmholtz Centre for Environmental Research – UFZ, Permoserstraße 15, 04318 Leipzig, Germany

Metal Metabolism Group, Department of Nutritional Sciences, Faculty of Life Sciences and Medicine, King's College London, 150 Stamford St, London SE1 9NH, UK

Laboratório de Análises, Instituto Superior Tecnico, Universidade de Lisboa, Av. Rovisco Pais, 1049-001 Lisboa, Portugal

Swiss Centre for Applied Ecotoxicology, Überlandstrasse 133, 8600 Dübendorf, Switzerland

School of Population Health & Environmental Sciences, Faculty of Life Sciences & Medicine, King's College London, 150 Stamford Street, London, UK

ARPA Lazio, Regional Agency for Environmental Protection, Via G. Saredo 52, 00173 Rome, Italy

ISPRA – Environmental Metrology Unit, Via di Castel Romano 100, 00128 Rome, Italy

institute for the Study of Anthropic Impacts and Sustainability in Marine Environment, National Research Council (CNR-IAS), Via de Marini 6, Genova 16149, Italy

ARPA Lombardic, Regional Agency for Environmental Protection, Via Rosellini 17, 20124 Milan, Italy

## ***PROJECTS***

Dr. Salvatore Barreca Is PI of a National Project founded by PRIN PNRR 2022.

Title IntegRated apprOach to real eco sustainaBIE gReen TotAl Index

Total Financial Project 224.558,00 €

Dr. Salvatore Barreca is head of unit of an international project

founded by HORIZON-JU-Chips-IA and RIA.

Title GENerate in Europe a Sustainable Industry for Semiconductor

Total Financial Project 47.830.899,50 €.

| #  | Publications  |   |
|----|---|---|
| 52 | Amorello, D., Barreca, S., Pensato, F., & Orecchio, S. (2025). Potentiometric analysis of fluoride in commonly consumed beverages: method development, evaluation and risk assessment. <i>Journal of Food Composition and Analysis</i> , 106836.  | ISSN 08891575<br><br>DOI<br>10.1016/j.jfca.2024<br>.106836    |
| 51 | Amorello, D., Barreca, S., & Orecchio, S. (2024). Critical evaluation of hazardous pollutants in edible insects: A simple review. <i>Journal of Food Composition and Analysis</i> , 106675.   | ISSN<br>08891575<br><br>DOI<br>10.1016/j.jfca.2024<br>.106675 |
| 50 | Barreca, S., Oliveri, I. P., Presti, F. L., Oliveri, V., Giannakis, S., Tuccitto, N., Spampinato, V., Auditore, A. (2024). An innovative "Up-and-Down" adsorption processes for pyrene removal from acid wastewater as new approach in water remediation. <i>Separation and Purification Technology</i> , 348, 127516.                              | ISSN 13835866<br><br>DOI<br>10.1016/j.seppur.2<br>024.127516  |
| 49 | Cali, F., Barreca, S., Li-Destri, G., Torrisi, A., Licciardello, A., & Tuccitto, N. (2024). Experimental Implementation of Molecule Shift Keying for Enhanced Molecular Communication. <i>IEEE Transactions on Molecular, Biological and Multi-Scale Communications</i> , 10(1), 175-184.   | ISSN 23327804<br><br>DOI<br>10.1109/TMBMC.2<br>024.3368759    |
| 48 | Colzani, L., Forni, C., Clerici, C., Barreca, S., Dellavedova, P. (2024) Determination of pollutants, antibiotics, and drugs in surface water in Italy as required by the third EU Water Framework Directive Watch List: method development, validation, and assessment. <i>Environmental Science and Pollution Research</i> , 31(10), 14791-14803. | ISSN 09441344<br><br>DOI<br>10.1007/s11356-<br>024-32025-6    |
| 47 | Barreca, S., Mancuso, M.M.M., Sacristán, D., Pace, A., Savoca, D., Orecchio, S., (2024). Determination of Perfluorooctanoic Acid (PFOA) in the Indoor Dust Matter of the Sicily (Italy) Area: Analysis and Exposure Evaluations. <i>Toxics</i> , 12 (1), 28   | ISSN 23056304<br><br>DOI<br>10.3390/toxics1201<br>0028        |
| 46 | Barreca, S., Orecchio, S., Orecchio, S., Abbate, I., Pellerito, C. Macro and micro elements in traditional meals of Mediterranean diet: Determination, estimated intake by population, risk assessment and chemometric analysis (2023). <i>Journal of Food Composition and Analysis</i> , 2023, 123, 105541   | ISSN<br>08891575  |

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|    |   | doi.10.1016/j.jfca.2023.105541                             |
| 45 | Savoca, D., Barreca, S., Lo Coco, R., Punginelli, D., Orecchio, S., Maccotta, A. (2023). Environmental aspect concerning phthalates contamination: analytical approaches and assessment of biomonitoring in the aquatic environment. <i>Environments</i> , 10(6), 99.   | ISSN 20763298<br><br>DOI<br>10.3390/environments10060099   |
| 44 | Di Gaudio, F., Barreca, S., & Orecchio, S. (2023). Diallyldimethylammonium Chloride (DADMAC) in Water Treated with Poly-Diallyldimethylammonium Chloride (PDADMAC) by Reversed-Phase Ion-Pair Chromatography—Electrospray Ionization Mass Spectrometry. <i>Separations</i> , 10(5), 311.  | ISSN<br>2297-8739<br><br>doi.10.3390/separations10050311   |
| 43 | Amorello, D., Orecchio, S., Barreca, S., & Orecchio, S. (2023). Voltammetry for Monitoring Platinum, Palladium and Rhodium in Environmental and Food Matrices. <i>ChemistrySelect</i> , 8(18).  | ISSN: 2365-6549<br><br>doi.org/10.1002/slct                |
| 42 | Amorello, D., Indelicato, R., Barreca, S., Orecchio, S., & Orecchio, S. (2022). Analytical Method for Quantification of Several Phthalate Acid Esters by Gas Chromatography-Mass Spectrometry in Coffee Brew Samples. <i>ChemistryOpen</i> , 11(12),  | ISSN<br>21911363<br><br>doi10.1002/open.202200082          |
| 41 | Orecchio Santino, Amorello Diana, Indelicato Roberta, Barreca, Salvatore, Orecchio Silvia. A Short Review of Simple Analytical Methods for the Evaluation of PAHs and PAEs as Indoor Pollutants in House Dust Samples, <i>Atmosphere</i> 2022, 13(11), 1799   | ISSN<br>2073-4433<br><br>doi.org/10.3390/atmos13111799     |
| 40 | Salvatore Barreca, Maddalena Busetto, Carola Forni, Luisa Colzani, Laura Clerici, Daniela Daverio, Stefania Balzamo, Elisa Calabretta, Massimo Peleggi and Pierluisa Dellavedova Determination of Antibiotics, Pesticides, Herbicides, Fungicides and Hormones in Water Bodies in Italy in Occurrence with European Watch List Mechanism by Using an UHPLC-MS/MS System: Method Validation, Quantification and Evaluations, <i>Pollutants</i> 2021, 1, 207–216. | ISSN<br>2673-4672<br><br>DOI.org/10.3390/pollutants1040017 |
| 39 | Salvatore Barreca, Carola Forni, Luisa Colzani, Laura Clerici, Daniela Daverio and Pierluisa Dellavedova Study on the stability of antibiotics, pesticides and drugs in water by using a straightforward procedure applying hplc-mass spectrometric determination for analytical purposes. <i>Separations</i> 2021, 8, 179  | ISSN22978739<br><br>DOI<br>10.3390/separations1001179      |

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| 38 | Dario Savoca, Raffaella Melfi, Antonio Palumbo Piccionello, Salvatore Barreca, Silvestre Buscemi, Vincenzo Arizza, Marco Arculeo, Andrea Pace. Presence and biodistribution of Perfluorooctanoic Acid (PFOA) in <i>Paracentrotus lividus</i> highlight its potential application for environmental biomonitoring<br>Scientific Report 2021, 11(1), 18763   | ISSN 20452322<br><br>DOI<br>10.1038/s41598-021-98284-2                   |
| 37 | Livia Gómez, Magdalena Niegowska, Anna Navarro, Luca Amendola, Augustine Arukwe, Selim Ait-Aissa, Stefania Balzamo, Salvatore Barreca, Shimshon Belkin, Michal Bittner, Ludek Blaha, Sebastian Buchinger, Maddalena Busetto, Mario Carere, Luisa Colzani, Pierluisa Dellavedova, Nancy Denslow, Beate I Escher, Christer Hogstrand, Essa Ahsan Khan, Maria König, Kevin J Kroll, Ines Lacchetti, Emmanuelle Maillot-Marechal, Liat Moscovici, Monica Potalivo, Isabella Sanseverino, Ricardo Santos, Andrea Schifferli, Rita Schlichting, Susanna Sforzini, Eszter Simon, Etai Shpigel, Stephen Sturzenbaum, Etienne Vermeirssen, Aldo Viarengo, Inge Werner, Teresa Lettieri.<br>Estrogenicity of chemical mixtures revealed by a panel of bioassay. <i>Science of The Total Environment</i> 2021, 147284 In Press, <i>Journal Science of the total environment</i> Pre-proof doi.org/10.1016/j.scitotenv.2021.147284 | ISSN<br>00489697<br><br>DOI<br>10.1016/j.scitotenv.2021.147284           |
| 36 | Salvatore Barreca, Salvatore La Bella, Antonella Maggio, Mario Licata, Silvestre Buscemi, Claudio Leto, Andrea Pace, Teresa Tuttolomondo<br>Flavouring Extra-Virgin Olive Oil with Aromatic and Medicinal Plants Essential Oils Stabilizes Oleic Acid Composition during Photo-Oxidative Stress. <i>Agriculture</i> 11 (3), 266 (2021)   | ISSN<br>20770472<br><br>DOI<br>10.3390/agriculture11030266               |
| 35 | Barreca, S., Busetto, M., Colzani, L., Clerici, L., Marchesi, V., Tremolada, L., Daverio, D & Dellavedova, P.<br><br>Hyphenated high performance liquid chromatography–tandem mass spectrometry techniques for the determination of perfluorinated alkylated substances in Lombardia region in Italy, profile levels and assessment: One year of monitoring activities during 2018. <i>Separations</i> , 7(1), 17 (2020).  | ISSN<br>22978739<br><br>DOI<br>10.3390/separations7010017                |
| 34 | Santino Orecchio, Diana Amorello, Salvatore Barreca.<br><br>Chapter 7, Analysis of Contaminants in Beverages, <i>Quality Control in the Beverage Industry</i> . Academic Press 2019  | ISBN<br>978-012816681-9<br><br>DOI<br>10.1016/B978-0-12-816681-9.00007-2 |
| 33 | Salvatore Barreca, Maddalena Busetto, Luisa Colzani, Laura Clerici, Daniela Daverio, Pierluisa Dellavedova, Stefania Balzamo, Elisa Calabretta, Vanessa Ubaldi.<br><br>Determination of estrogenic endocrine disruptors in water at sub-ng L <sup>-1</sup> 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, <i>Microchemical Journal</i> , 2019, 1186-1191   | ISSN<br>0026265X<br><br>DOI<br>10.1016/j.microc.2019.04.030              |

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| 32 | Maggio, A., Barreca, S., Orecchio, S.<br><br>Review on chemical composition of gluten-free food for celiac people. (2019)<br>Integrative Food, Nutrition and Metabolism  | ISSN<br><br>20568339<br><br>DOI<br><br>10.15761/IFNM.1000242           |
| 31 | Barreca, S., Busetto, M., Vitelli, M., Colzani, M., Clerici, L., Dellavedova, P.<br>Determinazione degli interferenti endocrini estrogeni a livelli di ng/L in campioni di acqua secondo la decisione 2015/495/EU. (2018) BEA  | ISSN<br><br>0393-2796  |
| 30 | Barreca, S., Busetto, M., Vitelli, M., Colzani, M., Clerici, L., Dellavedova, P.<br><br>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 | ISSN<br><br>20909063<br><br>DOI<br><br>10.1155/2018/3780825            |
| 29 | Savoca, D., Arculeo, M., Barreca, S., Buscemi, S., Caracappa, S., Gentile, A., Persichetti M.GF, Pace, A.<br><br>Chasing phthalates in tissues of marine turtles from the Mediterranean sea. Marine Pollution Bulletin, 127, (2018), 165-169                               | ISSN<br><br>0025326X<br><br>DOI<br><br>10.1016/j.marpolbul.2017.11.069 |
| 28 | Orecchio, S., Fiore, M., Barreca, S., Vara, G. (2017)<br><br>Volatile profiles of emissions from different activities by using canister samplers and GC/MS analysis: case studies. International Journal of Environmental Research and Public 14 (2), 195                  | ISSN<br><br>16617827<br><br>DOI<br><br>10.3390/ijerph14020195          |
| 27 | Amorello, D., Barreca, S., Gulli, E., Orecchio, S. (2017)<br><br>Platinum and rhodium in wine samples by using voltammetric techniques, Microchemical Journal 130, 229-235   | ISSN<br><br>0026265X<br><br>DOI<br><br>10.1016/j.microc.2016.09.010    |
| 26 | Amorello, D., Barreca, S., Bruno, M., Milia, A., Orecchio, S., Pettignano, A. (2016)<br><br>Chemical characterization of ancient liturgical vestment (chasuble) by Inductively Coupled Plasma–Optical Emission Spectrometry (ICP–OES) Microchemical Journal 129, 305-309   | ISSN<br><br>0026265X   |

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|    |  | DOI<br>10.1016/j.microc.2016.07.011                         |
| 25 | Orecchio, S., Amorello, D., Barreca, S., Pace, A., Gambacurta, S., Gulotta, M.G. (2016)<br><br>Analytical method for monitoring micro trace of landfill leachate in groundwater using fluorescence excitation–emission matrix spectroscopy. Analytical Methods 8.17 (2016): 3475-3480  | ISSN<br>17599660<br><br>DOI<br>10.1039/c6ay00345a           |
| 24 | Orecchio, S., Amorello, D., Barreca, S. (2016).<br><br>II) wood pellets for home heating can be considered environmentally friendly fuels? Heavy metals determination by inductively coupled plasma-optical emission spectrometry (ICP-OES) in their ashes and the health risk assessment for the operators. Microchemical Journal, 127, 178-183 | ISSN<br>0026265X<br><br>DOI<br>10.1016/j.microc.2016.03.008 |
| 23 | Orecchio, S., Amorello, D., Barreca, S., & Valenti, A. (2016).<br><br>Wood pellets for home heating can be considered environmentally friendly fuels? Polycyclic aromatic hydrocarbons (PAHs) in their ashes. Microchemical Journal, 124, 267-271.   | ISSN<br>0026265X<br><br>DOI<br>10.1016/j.microc.2015.09.003 |
| 22 | Orecchio, S., Amorello, D., Barreca, S., & Pettignano, A. (2016).<br><br>Speciation of vanadium in urban, industrial and volcanic soils by a modified Tessier method. Environmental Science: Processes & Impacts, 16, 3, 323-329 .   | ISSN<br>20507887<br><br>DOI<br>10.1039/c5em00596e           |
| 21 | Amorello, D., Barreca, S., Orecchio, S., & Ferro, S. (2015).<br><br>Platinum in indoor settled dust matter (homes and cars). Microchemical Journal, 123, 76-83.  | ISSN<br>0026265X<br><br>DOI<br>10.1016/j.microc.2015.05.018 |
| 20 | Barreca, S., Bruno, M., Oddo, L., & Orecchio, S.   | ISSN<br>14786419  |

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|    | Preliminary study on analysis and removal of wax from a Carrara marble statue. Natural product research, 1-9.  | DOI<br>10.1080/14786419.2015.1113411                         |
| 19 | Amorello, D., Orecchio, S., Pace, A., & Barreca, S.<br>Discrimination of almonds ( <i>Prunus dulcis</i> ) geographical origin by minerals and fatty acids profiling. Natural product research, 1-4.                                      | ISSN<br>14786419<br><br>DOI<br>10.1080/14786419.2015.1107559 |
| 18 | Orecchio, S., Bianchini, F., Bonsignore, R., Blandino, P., Barreca, S., & Amorello, D.<br>Profiles and Sources of PAHs in Sediments from an Open-Pit Mining Area in the Peruvian Andes. Polycyclic Aromatic Compounds, 1-23.             | ISSN<br>10406638<br><br>DOI<br>10.1080/10406638.2015.1005242 |
| 17 | Orecchio, S., Indelicato, R., & Barreca, S. (2015).<br><br>Determination of Selected Phthalates by Gas Chromatography–Mass Spectrometry in Personal Perfumes. Journal of Toxicology and Environmental Health, Part A, 78(15), 1008-1018. | ISSN<br>15287394<br><br>DOI<br>10.1080/15287394.2015.1021433 |
| 16 | Orecchio, S., Amorello, D., Raso, M., Barreca, S., Lino, C., & Di Gaudio, F.<br>Determination Of Macro Elements In Gluten-Free Food For Celiac People By ICP-OES. Life Safety and Security (2015), 3, 9, 36-48                           | ISSN:<br>2283-7604<br><br>DOI<br>10.12882/2283-7604.2015.3.9 |

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| 15 | Barreca, S., Indelicato, R. PHOTOCHEMICAL SAMPLE TREATMENT: A NEW CHALLENGE IN GREEN ANALYTICAL CHEMISTRY. <i>Life Safety and Security</i> (2015), 3, 5, 19, 22   | ISSN:<br>2283-7604<br><br>DOI<br>10.12882/2283-7604.2015.3.5 |
| 14 | Barreca, S., Colmenares, J. J. V., Pace, A., Orecchio, S., & Pulgarin, C. (2015). <i>Escherichia coli</i> inactivation by neutral solar heterogeneous photo-Fenton (HPF) over hybrid iron/montmorillonite/alginate beads. <i>Journal of Environmental Chemical Engineering</i> , 3(1), 317-324.                                 | ISSN<br>22133437<br><br>DOI<br>10.1016/j.jece.2014.10.018    |
| 13 | Barreca, S., Bastone, S., Caponetti, E., Martino, D. F. C., & Orecchio, S. (2014). Determination of selected polyaromatic hydrocarbons by gas chromatography–mass spectrometry for the analysis of wood to establish the cause of sinking of an old vessel (Scauri wreck) by fire. <i>Microchemical Journal</i> , 117, 116-121. | ISSN<br>0026265X<br><br>DOI<br>10.1016/j.microc.2014.06.020  |
| 12 | Barreca, S., Orecchio, S., & Pace, A. (2014). Photochemical sample treatment: A greener approach to chlorobenzene determination in sediments. <i>Talanta</i> , 129, 263-269.  | ISSN<br>00399140<br><br>DOI<br>10.1016/j.talanta.2014.05.031 |
| 11 | Orecchio, S., Amorello, D., & Barreca, S. Formaldehyde And Total Aldehydes In Indoor Air Of Public Environments By Voltammetry. <i>Life Safety and Security</i> (2014), 2, 5, 14-21   | ISSN<br>2283-7604<br><br>DOI<br>10.12882/2283-7604.2014.2.5  |
| 10 | Barreca, S., Orecchio, S., & Pace, A. (2014). The effect of montmorillonite clay in alginate gel beads for polychlorinated biphenyl adsorption: Isothermal and kinetic studies. <i>Applied Clay Science</i> , 99, 220-228.  | ISSN<br>01691317   |

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|   |   | DOI<br>10.1016/j.clay.2014.06.037                           |
| 9 | Orecchio, S., Amorello, D., Raso, M., Barreca, S., Lino, C., & Di Gaudio, F. (2014).<br>Determination of trace elements in gluten-free food for celiac people by ICP-MS. <i>Microchemical Journal</i> , 116, 163-172.   | ISSN<br>0026265X<br><br>DOI<br>10.1016/j.microc.2014.04.011 |
| 8 | Bergamasco, A., Culotta, L., De Stefano, C., Orecchio, S., Sammartano, S., & Barreca, S. (2014).<br>Composition, Distribution, and Sources of Polycyclic Aromatic Hydrocarbons in Sediments of the Gulf of Milazzo (Mediterranean Sea, Italy). <i>Polycyclic Aromatic Compounds</i> , 34(4), 397-424. | ISSN<br>10406638<br><br>DOI<br>10.1080/10406638.2014.900642 |
| 7 | Barreca, S., Indelicato, R., Orecchio, S., & Pace, A. (2014).<br>Photodegradation of selected phthalates on mural painting surfaces under UV light irradiation. <i>Microchemical Journal</i> , 114, 192-196.  | ISSN<br>0026265X<br><br>DOI<br>10.1016/j.microc.2014.01.004 |
| 6 | Orecchio, S., Indelicato, R., & Barreca, S. (2014).<br>Determination of selected phthalates by gas chromatography–mass spectrometry in mural paintings from Palermo (Italy). <i>Microchemical Journal</i> , 114, 187-191.   | ISSN<br>0026265X<br><br>DOI<br>10.1016/j.microc.2013.11.015 |
| 5 | Barreca, S., Mazzola, A., Orecchio, S., & Tuzzolino, N. (2014).<br>Polychlorinated biphenyls in sediments from Sicilian coastal area (Scoglitti) using automated soxhlet, GC-MS, and principal component analysis. <i>Polycyclic Aromatic Compounds</i> , 34(3), 237-262.                             | ISSN<br>10406638<br><br>DOI                                 |

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|   |   | 10.1080/10406638.<br>2014.886078                                |
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