

PERSONAL INFORMATION Valeria Ancona

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input checked="" type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

Replace with dates (from 2010 – until today)

**Research at Water Research Institute (IRSA-CNR)**

Replace with employer’s name and locality (if relevant, full address and website)

Involved in national research projects regarding soil and water contamination, bioremediation, plant-assisted remediation and mechanochemical treatments for soil contamination recovering.

- Business Research

EDUCATION AND TRAINING

Replace with dates (from 2004- to 2008)

**PhD in Agricultural Chemistry**

Replace with EQF (or other) level if relevant

University of Bari “A. Moro”, Italy

Soil, Contaminants in environmental matrices, Microbial Ecology  
 Mechanochemistry for soil remediation, Biodegradation, Bioremediation and Phytoremediation of xenobiotics (PCBs, POPs, Pesticides). **Quantitative chemical methods for assessing contaminants (organic and inorganic) in soil.**

Replace with dates (from 1998- to 2004)

**Master Degree in Agricultural Sciences and Technologies**

Replace with EQF (or other) level if relev

University of Bari “A. Moro”, Italy

WORK ACTIVITIES

**Editorial activity**

Guest and Assistant editor for peer review journal (International Journal of Environmental Research and Public Health, Sustainability, Frontiers in Plant science). Referee of International Scientific Journals: Frontiers of Microbiology, Journal of Soil and Sediment, Journal of Hazardous Material, Science of the Total Environment, Italian Journal of Agronomy, Applied Clay Science, Energy and Fuel

ADDITIONAL INFORMATION

**Selected publications**

Barra Caracciolo, A.B., Grenni, P., **ANCONA V.**, Plant–microbiome interactions and their role in recovering ecosystems from persistent contaminants. In: *Advances in Botanical Research*, ELSEVIER **2024**, 109, pp. 1–18.

Tumolo, M., De Paola, D., Uricchio, V.F., **ANCONA V.**, Biostimulation effect of different amendments on Cr(VI) recovering microbial community. *New Biotechnology* **2023**, 78, pp. 29–41.

Pandey, V.C., **ANCONA, V.**, Roy, M., Randjelovic, D. Aromatic Plant-Based Phytoremediation: Socio-Economic and Agricultural Sustainability. In: *Aromatic Plant-Based Phytoremediation: Socio-*

*Economic and Agricultural Sustainability*, ELSEVIER **2023**, pp. 1–242.

Angelini, A., Scelsi, E., **ANCONA V.**, Aimola, G., Pastore, C., Performic acid pre-treatment of poplar biomasses grown on a contaminated area for enhanced enzymatic digestibility: A viable route to obtain fine-products and recovery of contaminants. *Journal of Cleaner Production*, **2022**, 369, 133346.

Gallucci, F., Palma, A., Vincenti, B., Camevale M., Paris E., **ANCONA V.**, Migliarese Caputi, M.V., Borello, D. Fluidized bed gasification of biomass from plant assisted bioremediation (PABR): Lab-scale assessment of the effect of different catalytic bed material on emissions *Fuel* **2022**, 322, 124214.

**ANCONA V.**, Rascio I., Aimola G., Barra Caracciolo A., Grenni P., Uricchio V.F., Borello D., **2021**. Plant assisted bioremediation: soil recovery and energy from biomass. In: *Assisted Phytoremediation*, 2, 25-47, ISBN: 978-0-12-822893-7.

**ANCONA V.**, Rascio I., Aimola G., Campanale C., Grenni P., Di Lenola M., Garbini G.L., Uricchio V.F., Barra Caracciolo A., **2021**. Poplar-Assisted Bioremediation for Recovering a PCB and Heavy-Metal-Contaminated Area. *Agriculture*, 11, 689. <https://doi.org/10.3390/agriculture11080689>.

**ANCONA V.**, Campanale C, Tumolo M, De Paola D, Ardito C, Volpe A, Uricchio VF **2020**. Enhancement of Chromium (VI) Reduction in Microcosms Amended with Lactate or Yeast Extract: A Laboratory-Scale Study. *International Journal of Environmental research and Public Health*, 17, 704; doi:10.3390/ijerph17030704.

**ANCONA V.**, Barra Caracciolo A, Borello D, FERRARA V, Grenni P, Pietrelli A, **2020**. Microbial fuel cell: An energy harvesting technique for environmental remediation. *International journal of environmental impacts*, 10.2495/EI-V3-N2-168-179.

**ANCONA V.**, Barra Caracciolo A, Campanale C, De Caprariis B, Grenni P, Borello D, **2019**. Gasification Treatment of Poplar Biomass Produced in a Contaminated Area Restored using Plant Assisted Bioremediation. *Journal of Environmental Management* 239: 137-141.

**Publications** total number of publications in peer-review journals 39  
total Impact Factor (IF) (average IF/paper),  
total number of citations 1,546  
H index 15

Replace with **relevant** publications  
<https://orcid.org/0000-0003-2151-4679>

**Selected grants**

1) 2014 - 2019: Research Agreement (ex art. 15 della L. 241/90) between the Special Commissioner for urgent measures of reclamation, environmental improvements and redevelopment of Taranto and DTA-CNR. Technical-Economical Agreement TEOT-A/DTA-CNR, and Technical-Economical Agreement TEOT-Actions on the ecosystem of the Environmental Crisis Area of Taranto: TEOT-AREA VASTA/DTA-CNR. Role in the project AREA VASTA: Scientific Coordinator of the Task A3 Research Unit "Spectral investigation of potentially polluted sites in the Environmental Crisis Area of Taranto". (Total funded budget: 1.565.380,26 €; Funds for TASK A3 Unit: 100.000,00 €).

2) 2018- 2021: Apulia Region Funded Research Project (INNONETWORK— Aiuti a sostegno alle Attività di R&S" BURP n.149 del 29/12/2016): "Plant-assisted bioremediation: a green strategy for recovering contaminated areas and energy production from biomass - GREEN SOLUTIONS". Role: Scientific Coordinator, Research Unit 1 Leader. (Total funded budget: 783.260,21€; budget of the Research Unit 242.512,00 €).

3) 2018 - 2022: National Research Project funded by MUR "Energy for TARANTO. Technology And pRocesses for the Abatement of pollutaNts and the remediation of conTaminated sites with raw materials recovery and production of energy tOtally green (TARANTO)". Proposal Code ARS01\_00637. Research Leader of the WP 4 Bioremediation. Total funded budget: 4.828.999,96€; Funds for WP4-Bioremediation Unit: 300.000,00 €).

Bari, 15/03/2024

Valeria Ancona