PERSONAL INFORMATION

Teresa Cirillo

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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 2020 to now — **Full Professor of General and applied hygiene (SSD MED /42) at the Department of Agricultural Sciences, University of Naples Federico II.**

From 2011 to 2020 — **Associate Professor of General and applied hygiene (SSD MED /42) at the Department of Agricultural Sciences, University of Naples Federico II.**

From 2000 to 2011 — **Researcher of General and applied hygiene (SSD MED /42 at the Department of Agricultural Sciences, University of Naples Federico II.**

EDUCATION AND TRAINING

1995 — **Specialization in Microbiology and Virology from Second University of Medicine and Surgery of Naples Italy**

1991 — **Degree in Biological Sciences University of Naples Federico II.**

PERSONAL SKILLS

Mother tongue(s) — **ITALIAN**

Other language(s) — **ENGLISH**

Job-related skills — The research activity of Teresa Cirillo has addressed issues such as Environmental Hygiene, and Food Hygiene and Safety and Microbial Ecology with related Risk Assessment and in recent years of Circular Bio-Economy, as far as environmental hygiene is concerned, issues on the occurrence of environmental contaminants such as polychlorinated biphenyls, organochlorine pesticides have been studied and organophosphorus, polycyclic aromatic hydrocarbons, heavy metals and microplastics in different matrices such as sediments, fish products, fresh and salt water and the related response of some marine organisms to the presence of these contaminants.

About food hygiene, her activity was focused on the relationship between food quality and health, in particular evaluating the chemical and biological contamination of foods of environmental origin, from process (PAH, acrylamide etc.) or migration from packaging (Phthalates, Bisphenol A etc.) and assessing the risk of damage to the health of the consumer. In recent years it has dedicated itself to the Circular Bio-Economy through the enhancement of food waste, for environmental protection by reducing the problem of food waste, and indirectly providing for the reduction of global warming. The objective is represented by the exploitation of the recycling of waste products, in particular of companies producing coffee, pine nuts and almonds, to create products to be placed on the market with eco-sustainable processes for obtaining by-products with a view to green economy. Furthermore, enhancing the chemical characteristics and nutritional profile of these by-products make them valid alternatives for the formulation of functional products for the food, nutraceutical and industrial sectors.

Digital skills

Excellent knowledge of Microsoft Office software.

ADDITIONAL INFORMATION

Publications

1) ESPOSITO F, FASANO E, SCOGNAMIGLIO G, NARDONE A, TRIASSI M, **CIRILLO T** Exposure assessment to fumonisins B1, B2 and B3 through consumption of gluten-free foodstuffs intended for people affected by celiac disease. Food Chem Toxicol. 2016 Nov;97:395-401. doi: 10.1016/j.fct.2016.10.013. Epub 2016 Oct 13
2) GALLO P, DI MARCO PISCIOTTANO I, ESPOSITO F, FASANO E, SCOGNAMIGLIO G, MITA GD, **CIRILLO T.** Determination of BPA, BPB, BPF, BADGE and BFDGE in canned energy drinks by molecularly imprinted polymer cleaning up and UPLC with fluorescence detection. Food Chem. 2017 Apr 1;220:406-412. doi: 10.1016/j.foodchem.2016.10.005. Epub 2016 Oct 4.
3) ESPOSITO F, NARDONE A, FASANO E, TRIASSI M, **CIRILLO T.** Determination of acrylamide levels in potato crisps and other snacks and exposure risk assessment through a Margin of Exposure approach. Food Chem Toxicol. 2017 Oct;108(Pt A):249-256. doi: 10.1016/j.fct.2017.08.006. Epub 2017 Aug 12
4) ESPOSITO F, NARDONE A, FASANO E, SCOGNAMIGLIO G, ESPOSITO D, AGRELLI D, OTTAIANO L, FAGNANO M, ADAMO P, BECCALONI E, VANNI F, **CIRILLO T.** A systematic risk characterization related to the dietary exposure of the population to potentially toxic elements through the ingestion of fruit and vegetables from a potentially contaminated area. A case study: The issue of the "Land of Fires" area in Campania region, Italy. Environ Pollut. 2018 Dec;243(Pt B):1781-1790.
5) ESPOSITO, F., FASANO, E., DE VIVO, A., VELOTTO, S., SARGHINI, F., **CIRILLO, T.** Processing effects on acrylamide content in roasted coffee production (2020) Food Chemistry, 319, art. no. 126550, . DOI: 10.1016/j.foodchem.2020.126550
6) ESPOSITO, F., SQUILLANTE, J., NOLASCO, A., MONTUORI, P., MACRÌ, P. G., & **CIRILLO, T**. (2022). Acrylamide levels in smoke from conventional cigarettes and heated tobacco products and exposure assessment in habitual smokers. Environmental Research, 112659.
7) NOLASCO A., VELOTTO S., D'AURIA G., FERRANTI P., **CIRILLO T.,** ESPOSITO F.(2022). Valorization of coffee industry wastes: Comprehensive physicochemical characterization of coffee silverskin and multipurpose recycling applications. Journal of Cleaner Production Vol 370, 10 2022, 133520
8) SCIVICCO M., NOLASCO A.,ESPOSITO L.,ARIANOA.,SQUILLANTE J.,ESPOSITO F.,**CIRILLO T.,** SEVERINO L. (20229. Effects of Covid-19 pandemic lockdown and environmental pollution assessment in Campania region (Italy) through the analysis of heavy metals in honeybees. Environmental Pollution Vol 307, 15, 119504
9) NOLASCO A., SQUILLANTEJ., ESPOSITO F., VELOTTO S., ROMANO R., APONTE M.,GIARRA A., TOSCANESI M., MONTELLA E., **CIRILLO T.,.(**2022). Coffee Silverskin: Chemical and Biological Risk Assessment and Health Profile for Its Potential Use in Functional Foods. Foods 2022, 11(18), 2834; https://doi.org/10.3390/foods11182834
10) SQUILLANTE, J., SCIVICCO, M., ARIANO, A., NOLASCO, A., ESPOSITO, F., CACCIOLA, N. A., **CIRILLO, T.** (2023). Occurrence of phthalate esters and preliminary data on microplastics in fish from the Tyrrhenian Sea (Italy) and impact on human health. Environmental Pollution, 316, 120664.

Projects

He has participated as a member and as head of the Operative Unit in various research projects funded by MURST, CNR, MIUR, by the Ministry of the Environment, MIPAF, MISE and by the Campania Region.