ANGELA MAIONE

Associate Professor of Hygiene (MEDS-24/B)

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PROFESSIONAL PROFILE

Associate Professor of Hygiene (MEDS-24/B) at UniCamillus. Her research and teaching activities focus on Hygiene and Public Health, with particular attention to biological and environmental determinants of health, health-risk prevention, environmental safety, risk management, and infection prevention. She is the author of more than 50 peer-reviewed international scientific publications and collaborates with national and international research groups.

CURRENT ACADEMIC POSITION

- Associate Professor of Hygiene (MEDS-24/B), UniCamillus – Saint Camillus International University of Health Sciences, Rome, 2026–present.

EDUCATION AND QUALIFICATIONS

- Italian National Scientific Qualification for Associate Professor, academic recruitment field 06/M1 – General and Applied Hygiene, Nursing Sciences and Medical Statistics. Validity: 13 Nov 2025–13 Nov 2037.
- PhD in Biology, University of Naples Federico II, 28 January 2025. Academic field MEDS-24/B – Hygiene.
- Master's Degree in Biology (LM-6), University of Naples Federico II, 20 March 2018.
- Bachelor's Degree in Biology (L-13), University of Naples Federico II, 25 March 2015.

ACADEMIC AND RESEARCH EXPERIENCE

- Research Fellow, Department of Biology, University of Naples Federico II, MEDS-24/B. Project: "Use of alternative synthetic and natural compounds to control microbial biofilms on meat packaging", 1 Nov 2024–10 Oct 2026.
- PhD Researcher in Biology, University of Naples Federico II, 2021–2024.
- Research grant holder at the University of Naples Federico II, 2019–2021, working on drinking-water quality, environmental risk, microbial biofilms and control strategies.
- Visiting Researcher, Ruđer Bošković Institute – Center for Marine Research, Rovinj, Croatia, June–September 2024.

TEACHING ACTIVITIES

- University teaching in Hygiene and Public Health at UniCamillus.
- Contract Lecturer in Hygiene and Environmental Health (6 ECTS, MEDS-24/B), University of Naples Federico II, academic year 2025/2026.
- Teaching and seminars in Hygiene and Risk Management and Environmental Safety, Laboratory Quality and Safety, Global Environmental Risks, Hygiene and Laboratory, Food Hygiene and HACCP, and Principles of Hygiene in Biotechnology at the University of Naples Federico II.
- Supervisor and co-supervisor of undergraduate, Master's and PhD theses in MEDS-24/B.

MAIN RESEARCH AREAS

- Environmental hygiene, health protection and health-risk assessment.
- Biological and environmental determinants of health within a One Health perspective.
- Infection prevention and control and antimicrobial resistance.
- Microbiological safety of water, food, surfaces and other health-relevant matrices.
- Emerging contaminants, micro- and nanoplastics, ecotoxicology and environmental health.
- Innovative and sustainable strategies for the prevention and control of health risks.

SELECTED RESEARCH PROJECTS AND RESPONSIBILITIES

- SOCOTEC s.r.l. – Study on alternative compounds for microbial biofilm control on meat packaging. Technical-scientific lead, 2024–2026.
- Associazione Termalisti di Ischia – Microbiological safety monitoring and characterization of thermal-water samples. Technical-scientific lead, 2024–present.
- PRIN 2022 – MetabAD. Project participant, 2023–2026.
- BIOPLAST4SAFE – Biomonitoring of biodegradable micro- and nanoplastics from the environment to humans in a One Health perspective. Project participant, 2022–2026.
- SARNO Project – Environmental quality monitoring of the Sarno River, including surface water, groundwater and sediments. Research team member, 2023–2027.
- COST Action CA20101 – PRIORITY, Working Group 5 member, 2021–2025.
- H2020 IHMCSA – International Human Microbiome Coordination and Support Action, project participant, 2021–2023.
- H2020 PANORAMA – Rare earth elements environmental transfer, project participant, 2020–2023.
- H2020 GEMMA – Genome, Environment, Microbiome and Metabolome in Autism, project participant, 2019–2023.

EDITORIAL ACTIVITIES AND SCIENTIFIC SOCIETIES

- Guest Editor of the Special Issue “Molecular Advances on Candida Resistance”, International Journal of Molecular Sciences.
- Reviewer for international scientific journals including Pharmaceutics, Applied Microbiology, Journal of Fungi, Antibiotics, Microorganisms, PLOS ONE and Scientific Reports.
- Member of the Italian Society of Hygiene, Preventive Medicine and Public Health (S.It.I.) since 2021.
- Member of the Society of Environmental Toxicology and Chemistry (SETAC).

BIBLIOMETRIC INDICATORS

- More than 50 peer-reviewed scientific publications.
- H-index: 19; citations: 779 (Scopus, updated October 2026).

AWARDS AND RELEVANT ACTIVITIES

- Best Paper Award for “Prevalence, Resistance Patterns and Biofilm Production Ability of Bacterial Uropathogens from Cases of Community-Acquired Urinary Tract Infections in South Italy” (Pathogens, 2023).
- Member of the Technical Committee of the international conference MedLIFE 2025.
- Invited keynote speaker at the Global Network for Health in Science 2026, Lisbon, 19–20 November 2026.

SELECTED PUBLICATIONS

1. Maione A., Matuozzo M., Imparato M., D’Ambrosio C., de Alteriis E., Guida M., Scaloni A., Galdiero E. (2026). Extracellular Vesicles from the Probiotic Yeast Pichia kudriavzevii: Proteomic Characterization and Modulation of Immune and Defense Responses in an Induced Inflammation Model of Intestinal Epithelial Cells. Nutrients, 18(6), 912. DOI: 10.3390/nu18060912.
2. Maione A., Imparato M., Siciliano A., Maselli V., Russo T., Norcia M., Guida M., Lyons D.M., Galdiero E. (2025). The effect of post-biotics-enriched diet on the antioxidant capacity in Mytilus galloprovincialis exposed to Cu2O. Aquatic Toxicology. DOI: 10.1016/j.aquatox.2025.107514.
3. Maione A., Buonanno A., Imparato M., Maglione G., Rossetti C., Montone A.M.I., Guida M., Galdiero E., Zinno P. (2025). Antibacterial and Antibiofilm Efficacy of Phenyllactic Acid Against Foodborne Pathogens Salmonella enterica Serotype Derby and Escherichia coli O26. Molecules. DOI: 10.3390/molecules30081738.
4. Maione A., Imparato M., Buonanno A., Salvatore M.M., Carraturo F., de Alteriis E., Guida M., Galdiero E. (2024). Evaluation of Potential Probiotic Properties and In Vivo Safety of Lactic Acid Bacteria and Yeast Strains Isolated from Traditional Home-Made Kefir. Foods, 13(7), 1013. DOI: 10.3390/foods13071013.
5. Maione A., Norcia M., Sinoca M., Galdiero M., Maselli V., Feola A., Carotenuto R., Cuomo P., Capparelli R., Guida M., Galdiero E. (2024). Polystyrene Microplastics Exacerbate Candida albicans Infection Ability In Vitro and In Vivo. International Journal of Molecular Sciences. DOI: 10.3390/ijms25010012.
6. Padilla Suarez E.G., Siciliano A., Spampinato M., Maione A., Guida M., Libralato G., Galdiero E. (2024). Ecotoxicity and Mutagenicity Assessment of Novel Antifungal Agents VT-1161 and T-2307. Molecules. DOI: 10.3390/molecules29194739.

7. Maione A., Galdiero E., Cirillo L., Gambino E., Gallo M.A., Sasso F.P., Petrillo A., Guida M., Galdiero M. (2023). Prevalence, Resistance Patterns and Biofilm Production Ability of Bacterial Uropathogens from Cases of Community-Acquired Urinary Tract Infections in South Italy. Pathogens, 12(4), 537. DOI: 10.3390/pathogens12040537.
8. Gambino E., Maione A., Guida M., Albarano L., Carraturo F., Galdiero E., Di Onofrio V. (2022). Evaluation of the Pathogenic-Mixed Biofilm Formation of Pseudomonas aeruginosa/Staphylococcus aureus and Treatment with Limonene on Three Different Materials by a Dynamic Model. International Journal of Environmental Research and Public Health. DOI: 10.3390/ijerph19063741.
9. Di Onofrio V., Maione A., Guida M., De Castro O., Liguori R., Carraturo F., Galdiero E. (2021). Screening and isolation of microbes from a Mud Community of Ischia Island Thermal Springs: Preliminary analysis of a bioactive compound. Journal of Preventive Medicine and Hygiene. DOI: 10.15167/2421-4248/jpmh2021.62.2.1792.
10. Di Onofrio V., Gesuele R., Maione A., Liguori G., Liguori R., Guida M., Nigro R., Galdiero E. (2019). Prevention of Pseudomonas aeruginosa biofilm formation on soft contact lenses by Allium sativum fermented extract (BGE) and cannabinol oil extract (CBD). Antibiotics, 8(4), 258. DOI: 10.3390/antibiotics8040258.

LANGUAGES

- Italian: native speaker.
- English: B2 level (ESOL International – British Institutes).