

Curriculum Vitae

INFORMAZIONI PERSONALI

Nome ALESSANDRA
Cognome CASUCCIO
Recapiti Dipartimento di Scienze per la Promozione della Salute e Materno-Infantile "G. D'Alessandro", via del vespro n. 133 - 90127 Palermo
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FORMAZIONE TITOLI

WORK EXPERIENCE

September 2020 – present

Deputy Director of the Department of Health Promotion, Maternal and Child Health, Internal Medicine and Specialist Excellence "G. D'Alessandro", University of Palermo.

September 2020 – present

Referent of Macro Area 1 – Cellular and Molecular Biotechnology – on the Board of the Advanced Technologies Network Centre (ATeN Centre) Laboratory Services.

October 2016 – 2024

Chief of the Postgraduate Medical School in Hygiene and Preventive Medicine, University of Palermo.

October 2016 – present

Full Professor of Hygiene and Preventive Medicine at the Department of Health Promotion, Maternal and Child Health, Internal Medicine and Specialist Excellence "G. D'Alessandro", School of Medicine, University of Palermo.

October 2018 – 2020

Delegate for Teaching of the Department of Health Promotion, Maternal and Child Health, Internal Medicine and Specialist Excellence "G. D'Alessandro", University of Palermo.

October 2016 – 2018

Delegate for Research of the Department of Health Promotion Sciences and Maternal and Child Health "G. D'Alessandro", University of Palermo.

September 2015 – 2018

Coordinator of the II-Level two-year University Master's Program "Promoting Population Health and Epidemiology Applied to Prevention – PROSPECT".

July 2014 – 2016

Head of the Degree Course in Health Care, School of Medicine and Surgery, University of Palermo.

January 2014

National Scientific Qualification as Full Professor in the academic sector 06/M1 (General and Applied Hygiene).

December 2002 – 2016

Associate Professor of Hygiene, School of Medicine and Surgery, University of Palermo.

July 1983 – December 2002

Associate Professor at the Faculty of Pharmacy, University of Palermo.

July 1980 – July 1983

Researcher in General and Applied Hygiene (SSD F22A), Faculty of Pharmacy, University of Palermo.

Prior to July 1980

Voluntary trainee at the Institute of Hygiene "G. D'Alessandro", University of Palermo.

Workplace

Department of Health Promotion, Maternal and Child Health, Internal Medicine and Specialist Excellence "G. D'Alessandro" (PROMISE), University of Palermo
Via del Vespro 133, 90127 Palermo, Italy

ATTIVITA' DIDATTICA**TEACHING ACTIVITY****Academic Year 2020–2021 – present**

Professor of Hygiene in the Degree Course in Medicine and Surgery, School of Medicine, University of Palermo.

Academic Year 2025–2026 – present

Professor of Hygiene in the Degree Course in Nursing, School of Medicine, University of Palermo.

Academic Year 2023–2024 – present

Professor of Hygiene in the Degree Course in Science in Nursing, School of Medicine, University of Palermo.

Academic Year 2018–2019 – present

Professor in the PhD Program in Molecular and Clinical Medicine.

Academic Year 2019–2020 – present

Professor in the II-Level Master's Program "ORMASS" (Organization and Management of Healthcare Facilities and Services), University of Palermo.

Postgraduate Medical Schools

Professor (SSD MEDS-24/B) in the following Postgraduate Medical Schools:

- Hygiene and Preventive Medicine
- Infectious Diseases
- Ophthalmology

In addition, she has served as tutor and scientific mentor for PhD students within the PhD Program in Molecular and Clinical Medicine, contributing to advanced academic training and research activities in Public Health, Epidemiology, Preventive Medicine, and population health research.

RICERCHE FINANZIATE

RESEARCH PROJECTS

2023

Participation as partner in the approved and funded project S402.P0001 "BEHAVIOUR AND SENTIMENT MONITORING AND MODELLING FOR OUTBREAK CONTROL – BEHAVE-MOD" (€ 1,999,980.45), coordinated by the University of Campania "Luigi Vanvitelli", within the Research Program of the Extended Partnership INF-ACT – "One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases" (PNRR MUR – M4C2 – Investment 1.3, Theme 13: Emerging Infectious Diseases, Project Code PE00000007).

2022

Participation as partner in the approved and funded CCM ESPRIT Project entitled: "Prevention of HPV and other sexually transmitted infections: education in lower and upper secondary schools and support for youth mentoring networks" (Lead Institution: University of Udine).

2020

Participation as partner in the approved and funded project: "Strengthening the support network for monitoring and evaluation activities of the Regional Prevention Plan (PRP) – PROSPECT 2".

2016

Participation as partner in the approved and funded project:

"Population Health Promotion and Epidemiology Applied to Prevention – Master PROSPECT".

2015

Participation as partner in the approved and funded CCM Project entitled:
"Influenza Vaccination in the Elderly: the role of deprivation indices, socioeconomic determinants, and educational needs in improving vaccination coverage and reducing influenza-related hospital admissions" (Lead Institution: University of Genoa).

2014

Participation in the PON&REC 2007–2013 Industrial Research Project entitled:
"Scientific and technological platform aimed at developing innovative therapeutic approaches for major degenerative retinal diseases", promoted by the University of Palermo, the CNR Institute of Genetics and Biophysics "Adriano Buzzati-Traverso" (Naples), and S.I.F.I. S.p.A., within the framework of Human Health and Biotechnology projects funded by MIUR.

Participation in the PON0200667 Training Project DI.ME.SA:
"Experts in Functional Food Production Systems with High Health Potential", as lecturer for the module "Food and Disease".

2013

Coordinator of the FFR Project funded by the University of Palermo entitled:
"Analysis of hospital efficiency using Data Envelopment Analysis (DEA) and epidemiological evaluation of the appropriateness of hospital services with DRGs at high risk of inappropriateness in Sicilian public healthcare facilities".

2005

Participation in the PRIN Research Program entitled:
"Molecular typing of *Listeria monocytogenes* strains isolated in Italy from human, food, and animal sources: evaluation, comparison, and standardization of typing techniques".

Additional Multicenter and Epidemiological Research Projects

Prof. Casuccio has also participated, including as scientific supervisor, in numerous local, national, and multicenter research projects funded by universities and public institutions, including:

- Epidemiological studies on bathing water quality and human health
- Prospective studies on alcohol consumption during pregnancy
- Studies on dental caries prevalence and associated risk factors
- Health risk assessment among greenhouse workers
- Development of healthcare quality control systems for elderly care services
- Studies on indoor radon exposure and lung cancer risk
- Epidemiological investigations on iodine deficiency/excess and cancer risk
- Retrospective epidemiological studies on pleural mesothelioma
- Epidemiological studies on opioid response in cancer pain
- Home-care epidemiological studies in patients with advanced cancer
- Vaccination intervention programs and surveillance systems for measles, chickenpox, salmonella, and shigella infections

Epidemiological and clinical studies in ophthalmology, including glaucoma, cataract surgery, corneal infections, retinal diseases, and ocular diagnostic procedures.

INCARICHI / CONSULENZE

Member of task Force “Sistema Regionale Prevenzione Salute dai rischi ambientali e climatici (S.R.P.S.)” Regione siciliana

Member of Palermo 2 (Villa Sofia Cervello) Local Ethics Committee as Biostatistician

EDITORIAL AND REFEREEING ACTIVITY

Prof. Casuccio is Editor of the *International Journal of Environmental Research and Public Health* and Editor-in-Chief of the Women's Health Section of the same journal.

She has served as Guest Editor for Special Issues including:

- “Potential Risks and Factors of Women's Health Promotion”
- “Vaccination Effectiveness, Attitudes and Adherence among Women”

She is also Editor for *Vaccines* and Guest Editor of the Special Issue:

- “Vaccination and Vaccine Effectiveness”.

In addition, she acts as reviewer for several international scientific journals, including:

- *European Journal of Public Health*
- *Journal of Public Health and Epidemiology*
- *Annali d'Igiene*.

ASSOCIAZIONI SCIENTIFICHE

MEMBERSHIP IN SCIENTIFIC SOCIETIES

Prof. Casuccio is member of the Italian Society of Hygiene, Preventive Medicine and Public Health (SItI), of the SItI Working Group on Health Promotion, and of the European Public Health Association.

She actively participates in national and international congresses, conferences, and scientific meetings focused on epidemiology, prevention, public health, and health promotion. She also regularly attends courses organized by the School of Epidemiology and Preventive Medicine of Erice and contributes to scientific dissemination through presentations, communications, and posters on ongoing research activities.

PUBBLICAZIONE

ATTIVITA' SCIENTIFICHE

OTHER ASSIGNMENTS AND SCIENTIFIC ACTIVITIES

2023

Member of the Regional Task Force “Sistema Regionale Prevenzione Salute dai rischi ambientali e climatici (S.R.P.S.)”, Regione Siciliana.

2024

Member of the Palermo 2 (Villa Sofia-Cervello) Local Ethics Committee as Biostatistician.

2021

Member of the Palermo 1 (AOUP Palermo) Ethics Committee as Biostatistician.

2015 – present

Member of the REPRISE – Register of Expert Peer Reviewers for Italian Scientific Evaluation, established by the Italian Ministry of University and Research.

2015

Member of the Multicenter Group “Centro Healthcare Research & Pharmacoepidemiology”, focused on the appropriateness, effectiveness, efficiency, and equity of preventive, therapeutic, and rehabilitative interventions.

February 2015

Member of the Evaluation Committee for confirmation in the role of Associate Professor (SSD MED/42).

December 2014 – December 2015

Member of the Evaluation Committee for confirmation in the role of Researcher (SSD MED/42).

2013

President of the Joint Teachers–Students Committee of the Faculty of Pharmacy within the university accreditation procedures.

2012

Appointed Reviewer for the evaluation of research projects on behalf of the Italian Ministry of Education, University and Research and for the evaluation of research products for SSD MED/42 on behalf of ANVUR.

2012

Member of the Joint Teachers–Students Committee of the Faculty of Pharmacy within accreditation procedures.

2010

Member of the Bioethics Committee of the Provincial Health Authority of Syracuse.

2010

Member of the CIVR Working Group in the Departmental Commission for Research Quality Evaluation according to MIUR VQR Guidelines 2004–2008.

AMBITI DI RICERCA

SCIENTIFIC ACTIVITY

Research Activity

The scientific activity of Prof. Alessandra Casuccio is documented by more than 380 full papers published in ISI-indexed journals with impact factor, as well as 4 book chapters. She is also author of numerous abstracts presented at national and international conferences. Her bibliometric indicators (Scopus database, May 2026) include an H-index of 56 and more than 10,600 citations.

Her research activity, particularly in recent years as Principal Investigator and Co-Investigator, has focused on the organization, design, monitoring, and analysis of epidemiological studies and clinical trials in several fields of medicine. The main objective of these studies has been the evaluation of prevention strategies, efficacy, safety, and quality of life in populations at risk of infectious or chronic degenerative diseases of major Public Health relevance.

Prof. Casuccio has participated in scientific research groups in the following areas:

Primary Prevention

- Vaccination coverage
- Vaccine effectiveness
- Burden of vaccine-preventable diseases
- Vaccine hesitancy and determinants of vaccination uptake

Epidemiological Research Applied to Public Health and Healthcare

Environmental Health

Epidemiological investigations focused on the relationship between environmental exposure and human health, including studies on cancer mortality in populations exposed to environmental risk factors.

Oncology and Palliative Care

Collaboration with highly specialized national and regional oncology centers, including:

- National Cancer Institute of Milan
- Regina Elena National Cancer Institute, Rome
- “La Maddalena” Cancer Center, Palermo

Research activities focused on epidemiological indicators in cancer pain therapy and palliative care in both hospitalized and home-care patients.

Infectious Diseases

Studies on risk and prognostic factors for infectious diseases in vulnerable populations, including:

- newborns from mothers with toxoplasmosis
- patients admitted to Neonatal Intensive Care Units
- HIV-positive patients at risk of leishmaniasis
- patients with malaria

Cardiovascular and Hematological Diseases

Research focused on prevention and treatment efficacy in pediatric, adult, and elderly populations at increased risk of chronic diseases and in patients undergoing experimental therapeutic protocols.

Ophthalmology

Epidemiological studies on high-impact ophthalmologic diseases such as cataract, glaucoma, and macular degeneration, with particular focus on treatment effectiveness, guideline development, and quality of life.

Environmental and Food Hygiene

Research activities aimed at:

- evaluation of surface water quality
- environmental pollution monitoring
- reservoir water quality control
- indoor radon monitoring

Food Service and Catering

Epidemiological studies investigating knowledge, attitudes, and practices related to food safety among healthcare workers in hospitals and long-term care facilities.

ALTRE ATTIVITA

She is Editor for Vaccines and guest editor for special issue "Vaccination and Vaccine Effectiveness".

She is Editor of International Journal of Environmental Research and Public Health,

Editor-in-Chief of Section Women's Health for International Journal of Environmental Research and Public Health,

Guest Editor of Special issues "Potential Risks and Factors of Women's Health Promotion" and "Vaccination Effectiveness, Attitudes and Adherence among Women".

She is also referee for the journals "European Journal of Public Health", "Journal of Public Health and Epidemiology" and "Annali d'Igiene"