

Curriculum vitae

Education and training

21-02-2024 Associate professor, Department of Medical Sciences and Public Health for the competitive area 06/M1 - General and applied hygiene, nursing sciences and medical statistics (profile SSD MED/42), D.R. n. 1421/2023

From 3 –12-2002/ to date: Senior Lecturer of General and Applied Hygiene (Area 06/M1 -SSD MED/42), University of Cagliari, Department of Medical Sciences and Public Health, with 38 contributions to international academic journals, 1130 total citations, 11 h-index

2016: Academic qualification as Associate Professor of General and Applied Hygiene, Nursing Sciences and Medical Statistics (sector 06/M1).

1999-2001 Research contract for academic activities between the University and external companies with the project "Nutritional promotion and consumption of milk in Sardinia" in collaboration with the Cooperative 3A of Arborea Department of Public Health, University of Cagliari.

1998 Research contract within the European project on healthy nutrition and health promotion "SUPER" in collaboration with the University of Wageningen (NL), Contact Person for: research and school. Title of the project: "Nutritional Promotion Project: Experimentation of Intervention Strategies".

1997 Course 3rd ETC-PH summer course: setting for health promotion, Department of Public Health, University of Cagliari

1996 Research contract for academic activities regulated by ex art.36, European project "Super" Department of Public Health, University of Cagliari

1995 Post-doctoral scholarship award- University of Cagliari

1994 PhD in Community Medicine and Public Health - University of Sassari

1994 Appointment of Hygiene Expert, Faculty of Magisterium, University of Cagliari

1991 Qualification to the Profession of Biologist

1990 Degree in Biological Sciences with a vote of 110/110 and honors- University of Cagliari

1985 Qualification of A-Levels with a vote of 60/60, Liceo Scientifico "Michelangelo", Cagliari

Teaching activities

2013 to date CdLM Biology and Pharmacy. University of Cagliari. Hygiene Teaching, SSD MED 42

2005-2012 CdL Toxicology, Faculty of Pharmacy, University of Cagliari Teaching of Food Hygiene, SSD MED 42

2003 to date School of Specialization in Hygiene and Preventive Medicine, Faculty of Medicine and Surgery, University of Cagliari, Teaching Food Hygiene

2013-2016 School of Specialization of Microbiology and Virology, Faculty of Medicine and Surgery, University of Cagliari, Teaching "Food Hygiene"

2016-2017 CdLM Medicine and Surgery, Hygiene and Public Health Teaching, Part II, University of Cagliari, SSD MED 42

2002-2009 CdL Science and Herbal Technologies, Toxicology, Faculty of Pharmacy. University of Cagliari. Hygiene teaching.

2002-2019 Laboratory for degree courses in: Pharmacy, Toxicology, Herbal Sciences and Technologies, University of Cagliari

2003 Teaching "Practical applications of microbiological test methods in the Food Hygiene Laboratory". Master II Food Hygiene and Safety Level, Faculty of Sciences MM.FF. N.N.AA University of Cagliari.

1998 Teaching "Hygiene of schools and sports" – L'Aquila I.S.E.F.

Scientific activity

2002 to date Supervisor of dissertations for the degree in Microbiology and Virology, Faculty of Medicine and Surgery, Faculty of Biology and Pharmacy, Course of study in Pharmacy, CTF, Toxicology, University of Cagliari

2003-2009 Research activities within the following Local Research Projects (ex quota 60%, CAR): Evaluation of the antimicrobial activity of essential oils of the Mediterranean Maquis. Food safety and hygienic quality verification of the horticultural products of the fourth range. Role of temperature in the food safety of horticultural products of the fourth range. Microbiological characterization of Bottarga and study of provenance through molecular biology techniques. Development of a strategy for the prevention of food poisoning in the home, evaluation of consumer behaviour. Sanitary hygiene and food safety assessments of Sushi produced and marketed in Sardinia. Hygiene assessment in industrial laundries.

2006-2013 Member of the Academic Committee for the degree of PhD in Toxicology from the XXII Cycle (A.Y. 2006-2007) to the XXVIII Cycle (A.A 2012-2013) University of Cagliari.

2007-2015 Supervisor of three doctoral theses in Toxicology (University of Cagliari)

2013 Head of the Scientific Committee for the appointment of grants pursuant to article 22 L.30.12.2010 n.240 type B- checks from other funds. Project: "Food safety and risk assessment in ready-to-eat foods of plant origin"

2014 Head of the Scientific Committee for the appointment of grants pursuant to art.18 L.30.12.2010 n°240 and n.35 of 04.04.2012 activated pursuant to art.18 of L.R.n.7 of 07/08/2007. Project: "Assessment of the health risk of fruit and vegetables of the first and fourth ranges"

2015 Scientific referee for the academic review: International Journal of Food Microbiology (Q1).

2016 Head of the Scientific Committee for the appointment of grants funded by companies: "Guidelines for the transport of textile devices for healthcare facilities to reconditioning stations (industrial laundries)".

Research projects and collaborations

2007-2013 Collaboration to the Cross-Border Cooperation Programme PO Italy-France "Maritime" Project called SICOMAR (Marine Control System 2013-2015). Partners involving Tuscany, Liguria, Sardinia and Corsica: University of Cagliari

2011-2012 Operational unit in the project "Survey on the microbiological aspects of fresh consumer vegetables". Regional Agency for Agricultural Development (LAORE). RAS.

2008-2010 Head of Research Operation Unit in the project "La Bottarga in Sardinia: quality and sanitary hygiene aspects. Studies and research on traceability. Law No. 7/2007. Department of Planning, Budget, Credit and Land Use Planning. Sardinia Region.

2014-2020 Collaboration in the project SE. D.RI. PORT (Sediments, Dredging, Port Risks). INTERREG programme 2014-2020 Italy-France, Partner: University of Cagliari

2014-2020 Collaboration in the MONITOOL Project. "Interreg Atlantic Area Programme".

2015 Collaboration in research activities with the Experimental Zooprophyllactic Institute of Sardinia: "Evaluation of microbiological and chemical aspects in courier and epifragmate snails in Sardinia"

2015 Collaboration in research activities with the Experimental Zooprophyllactic Institute of Sardinia and the Istituto Superiore di Sanità (Risks to hygiene and health associated with the consumption of edible lamellibranch molluscs, International Journal of Food Microbiology).

2013-2015 Head of the Scientific Programme established by the Regional Law 7 August 2007: "Promotion of scientific research and technological innovation in Sardinia". Form for Fundamental or basic research projects. "Assessment of the health risk of fruit and vegetables of I and IV Gamma. Study of the production chain through classical and molecular analytical methods"

2016 Head of the Scientific Programme funded by companies. Project title: "Study on bacterial multiplication in textiles". Funded by the Ferraguti Group, Industrial Laundries.

Professional and managerial experience

2017 to date Member of the Self-Assessment Committee (CAV) of the Department of Medical Sciences and Public Health. University of Cagliari

2016 Representative of the Department of Medical Sciences and Public Health in the Faculty Of Biology and Pharmacy

2002 to date Quality Manager of the Food Hygiene Laboratory of the Department of Medical Sciences and Public Health accredited according to UNI EN ISO 17025:2018 with number 1442L, "General requirements for the competence of test and calibration laboratories".

2013 to date Head of the Food Hygiene Laboratory Department of Medical Sciences and Public Health registered in the Regional list of laboratories attached to food self-control and accredited in accordance with UNI EN ISO 17025:2018 "General requirements for the competence of test and calibration laboratories" n° 1442L. Coordinator in the design, implementation, implementation of the laboratory quality system (drafting and drafting of the Quality Manual, operational, management, technical procedures and operating instructions). Responsible for the continuing training of technical staff

2017 Head of Regional Reference Laboratory for the environmental diagnosis of Legionella. RAS Resolution No. 39/3 of 09/08/2017

2017 Recognition of the Food Hygiene Laboratory as part of the National Salmonellosis Control Plans (PNCS).

2013 to date Responsible for the coordination of the technical and scientific activity of the microbiological section and substitute of the Head of the Laboratory of Environmental Hygiene, Department of Medical Sciences and Public Health, University of Cagliari.

Responsible for the evaluation and interpretation of analytical results, the quality of data and microbiological tests in the field of hospital hygiene (surveillance of preventive procedures in the control of infections through compliance with microbiological standards identified on the basis of the characterization of environmental risk or ISPESL guidelines). Preparation of scientific reports attached to the provision of analytical results.

2012 to date Scientific Manager of Cheques, Research Grants and Contractual Activity.

2015 Scientific consultant for the evaluation and prevention of infectious risk related to the presence of construction sites in the health facilities of the ASL n°8 of Cagliari. This collaboration has led to the preparation of scientific work (see Annex) in the field of the prevention of health risks.

2010 to date Collaboration as scientific consultant in the field of food self-control activities according to Reg.EC. 852/2004 and microbiological risk assessment for the verification of food hygiene in numerous companies of small and large distribution and collective catering.

2010-2012 Scientific consultant as part of a collaboration project on microbiological risk assessment, food safety and staff training for the Regional Agency Laore Sardegna. This collaboration has led to the preparation of scientific work (see Annex) in the field of hygiene of the production process of plants of the first range.

2006 to date Scientific consultant for food self-control activities according to Reg.CE. 852/2004 and microbiological risk assessment for the verification of food hygiene of ERSU university canteens (Regional Entre for the Right to University Study). In particular, in addition to legislative requirements, research activities are carried out with particular reference to the state of food conservation and the processing of data with scientific reports

2009 Design and implementation of training interventions to be included in a training offer catalogue, for staff destined to join ARPAS. POR Sardegna 2006, axis 3- measure 3.14-action PUBBLIAMB: Autonomous Region of Sardinia.

Participation as a speaker at conferences

2006 C.I.P.E.S. National Congress Title report: "Epidemiology of Food Toxins. Role of staff".

2013 5th International Congress of European Microbiologists (FEMS 2013) Leipzig, Germany. Aissani N., Coroneo V., Fattouch S., Caboni P. Report title: Anti-listerial effect of Carob Polyphenols (*Ceratonia siliqua*) Leaves.

2014 47th SITI National Congress, Palazzo dei Congressi Riccione, - Short communication "Quality and safety of plant products of the fourth range".

2015 INNOVA event. RE - INNOVATION IN REte-POR ERDF 2007-SARDINIA REGION AXIS VI COMPETITIVENESS UniCA&Enterprise. "The University of Cagliari meets entrepreneurs".

2015 SITI Regional Congress.- Strengthening prevention: multidisciplinary at the service of people-Title report: "Food safety and application of the HACCP system in a hospital reality".

2015 "Construction sites and infectious risk. Strategies of the ASL of Cagliari". Title report: "Environmental microbiological monitoring in critical areas".

2016 UniCA&Imprese event, INNOVA. RE - INNOVATION IN REte-POR FESR 2007-2013 REGION SARDINIA AXIS VI COMPETITIVENESS 6.2.1 a.:" The University of Cagliari meets entrepreneurs".

2016 Participation as speaker and organization of the conference "Safe hygiene- Sanitization and sterilization in the health, hotel and labor field" Forte Village, Santa Margherita di Pula - Title report: "Bacterial proliferation in linen".

2018 Coordination activities for the Department of Medical Sciences and Public Health for the event "The night of researchers- Nutrition and longevity in Sardinia", "Evaluation of microbiological risk in fruit and vegetables of the first and fourth ranges".

Publications

1. Valentina Carraro, Adriana Sanna, Antonella Pinna, Gerolamo Carrucciu, Sara Succa, Luisa Marras, Giacomo Bertolini, Valentina Coroneo "Evaluation of microbial growth in hospital tissues through challenge tests" *Progress in Microbiology, Infectious Diseases and Public Health*. doi.org/10.1007/5584_2020_560 p.1-16 (2020)
2. G. Bertolino, L.Marras, C.Sanna, G. Carrucciu, M. Schintu and V. Coroneo Ten-year retrospective analysis of the spread of legionella in hospital water systems and its seasonal variations of serogroup. *Adv Exp Med Biol - Advances in microbiology, infectious diseases and public health*, 1.11 (2020).
3. Luisa Marras, Giacomo Bertolino, Adriana Sanna, Antonella Pinna, Valentina Carraro, Marco Schintu, Valentina Coroneo. Potential well water problems in home use in a retrospective study from 2014 to 2018. *Assessment of environmental monitoring*. 192:408 (2020).
4. L.Marras, V. Carraro, C. Sanna, A. Sanna, A. Ingianni, V. Coroneo. Growth of *Listeria monocytogenes* in ready-to-eat salads at different storage temperatures and evaluation of the expression of virulence genes. *Ann Ig* , 31 (4) 2019.
5. Ruggeri, V. Carraro, S.Succa, B.Meloni, A Sanna, C. sanna, A. Espa, A. Pinna, G. Carrucciu, M Grosso, V. Coroneo. Influence of water activity on the growth of *listeria monocytogenes* in the fermented sausage "Sarda Sausage". *Italian Journal of Food Sciences*. 30(1), pp.75-88, 2018.
6. V.Coroneo, V.Carraro, B. Marras, A. Marrucci, A. Pinna, A. Angioni, A. Sanna, M. Schintu. Presence of trihalomethanes in ready-to-eat vegetables disinfected with chlorine. *Food additives and contaminants*, 34 (12), pp.2111-2117, 2017.
7. V. Coroneo, L. Marras, A Desogus, M.T. Oran, M.E. Cocco, M. Schintu. Microbiological environmental monitoring in high-risk departments during construction activities at a hospital site. *Annals of Hygiene*; 28: 1, pp.432-440, 2016
8. V. Coroneo, V. Carraro, N. Aissani, A. Sanna, A. Ruggeri, S. Succa, B. Meloni, A. Pinna and C. Sanna. Detection of virulence genes and growth potential in *Listeria monocytogenes strains* isolated from Salted Ricotta cheese. *Journal of Food Science*, 81(1), pp.114-120, 2016
9. A. Sanna, B.Melons,, A., S.Succa, S., C.Sanna, V.Carraro,V.Coroneo,.Microbiological quality of water used in agriculture in Sardinia. *Annals of Hygiene*. 28(2), pp. 158-170, 2016
10. V. Brandas, G. Orrù, V. Carraro, A. Sanna, G. Brajon, F. Salati, C. Sanna, M.L. Ciusa, M. Meloni and V. Coroneo. Recovery of *Staphylococcus aureus* in Gray Mugil cephalus Roe

- (Bottarga): Investigation by an integrated cultural/molecular approach. *Journal of Food Science*. 80(6),pp.1285-1290, 2015
11. V. Carraro, C.Sanna, V.Brandas,A. Sanna, A.Fin,V.The crown.Hygiene and health risks associated with the consumption of edible lamellibranch molluscs. *International Journal of Food Microbiology*. 201, pp. 52-57, 2015
 12. Sanna, V. Carraro, C. Sanna, C. Cabiddu, V. Brandas, V. Coroneo. Assessment of the level of home hygiene in home kitchens. *Ann Ig* 26(5), pp. 473-481, 2014
 13. In Sanna, V. Coroneo, S. Dessì, V. Brandas. Evaluation of biocontamination in the production process of industrial laundries. *Hygiene and Public Health*. 69(3), pp.295-306, 2013
 14. N. Aissani, V. Coroneo, S. Fattouch, P. Caboni. Carob inhibitory effect (*Ceratonia siliqua*) Leaves methanol extracted on *Listeria monocytogenes*. *Journal of Agricultural and Food Chemistry* 60(40),pp. 9954-9958, 2012
 15. V. Coroneo, A. Sanna, F. Danjou, P. Caboni, S. Dessì, Influence of the season on microbiological loads in ready-to-eat vegetables. *Italian Journal of Food Science*. 22(2), pp. 205–209, 2010
 16. Barra, V. Coroneo, S. Dessi, P. Cabras and A. Angioni. Chemical Variability, Antifungal Activity and Antioxidant of Eucalyptus Essential Oil camaldulensis of Sardinia. *Natural product communication*. 5(2), pp. 329–335, 2010
 17. S. Fattouch, P. Caboni, V. Coroneo, C.I.G.Tuberoso, A. Angioni, S. Dessì, N. Marzouki, P. Cabras. Comparative analysis of polyphenol profiles and antioxidant and antimicrobial activities of Tunisian pome pulp and aqueous peel extracts. *Journal of Agricultural and Food Chemistry* 56(3), pp.1084-1090, 2008
 18. S. Fattouch, P. Caboni, V. Coroneo, C.I.G. Tuberoso, A. Angioni, S. Dessì, N. Marzouki, P. Cabras. Antimicrobial activity of Tunisian Quinte (*Cydonia oblonga* Miller) Polyphenolic extracts of pasta and peel. *Journal of Agricultural and Food Chemistry*. 55(3),pp. 963–969, 2007
 19. Angioni, A. Barra, V. Coroneo, S. Dessì e P. Cabras. Stagionale, Plant Part Chemical Variability and Antifungal Activity Investigation of *Lavandula stoechas* L. ssp. *Journal of Agricultural and Food Chemistry* 54(12), pp.4364-4370, 2006
 20. Angioni, A. Barra, E. Cereti, D. Barile, J.D. Coisson, M. Arlorio, S. Dessì, V. Coroneo, P. Cabras. Chemical composition, plant genetic differences, antimicrobial and antifungal activity Investigation of essential oil by *Rosmarinus officinalis* L. *Journal of Agricultural and Food Chemistry* 52(11), pp.3530-3535, 2004