

## *Curriculum vitae* Tiziana Civera

Graduated in Veterinary Medicine at the University of Turin in 1986, specialist in "Inspection of food of animal origin", with a PhD in "Chemistry, Technology and Food Hygiene". Since October 2000 she is full professor of the University of Turin in the scientific disciplinary sector of "Inspection of Food."

The teaching and research activity of Prof. Tiziana Civera focuses on the hygiene and safety of food, and on the related food law. She holds courses in various undergraduate and postgraduate degree as well as in specialization schools and in masters. Curriculum includes organizational activities comprehensive of participation in PhD colleges, including international ones ["Inspective and Sanitary Concerns in Animal Production in Exchanges between the European Union and the People's Republic of China" with administrative headquarters University of Pisa]; the management and direction of postgraduate schools at the University of Turin (Food Inspection; Hygiene and Technology of meat), the presence in scientific masters councils ("Regia"; "Food Science and Human Health).

She held the role of delegate of the Faculty and subsequently of the Department for teaching activities for 8 years; in the three-year period 2012-2014 she held the role of President of AIVI (Italian Association of Hygienist Veterinarians). Member of the Group of Experts of the Evaluation of the Agricultural and Veterinary Sciences area (GEV 07) for ANVUR in the VQR 2004-2010 (SSD VET / 04); system and disciplinary expert since 2017 for Anvur; reviewer for the Miur of research and of PhD projects. Director of the Quality Office (Presidio della Qualità) of the University of Turin, from November 2016 to October 2018. She carries out permanent training activities on food safety for veterinarians, biologists and other professionals; has a documented teaching activity in national and international conferences. The research activities are aimed in particular at the field of food microbiology, with special attention to aspects concerning food safety and hygiene, HACCP, quality of milk, meat and fish based products, through traditional and innovative methods, as documented by scientific publications. Briefly, the research activity includes:

- definition of quality standards (microbiological and chemical) for evaluating the freshness and conservation status of fishery products;
- identification of species in meat, cheese and fish based products in order to verify correct labeling and highlight any fraud by SDS-PAGE, isoelectric focusing, PCR, multiplex-PCR, SNPs, etc.;
- Approach to molecular differentiation of meat parasites:
- Study of techniques based on DNA analysis to evaluate the presence of pathogenic microorganisms in various production chains
- development and application of molecular subtyping methods for the characterization of foodborne and spoiling bacteria in milk products ;
- characterization of donkey milk;
- study of diffusion of *Listeria monocytogenes* in dairy environment;
- 16S rRNA metabarcoding for the study of the microbiota of milk and dairy production;
- Detection of Antimicrobial Resistance Genes in the Milk Production Environment through Whole Metagenomic Sequencing (WMS) .At present she is the author of 150 published articles in national and international Journals; H-index 21.

During the last years, she has been the coordinator of several national projects, collaborating with public and private institutions in research activities.

### Publications on dairy safety

2020. Fate of *Listeria monocytogenes* in the Presence of Resident Cheese Microbiota on Common Packaging Materials. DOI:10.3389/fmicb.2020.00830. pp.1-8. In FRONTIERS IN MICROBIOLOGY - ISSN:1664-302X vol. 11

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2016. Isolation and characterisation of lactic acid bacteria from donkey milk. DOI:10.1017/S0022029916000376. pp.383-386. In *THE JOURNAL OF DAIRY RESEARCH* - ISSN:0022-0299 vol. 83 (3)
2015. A survey on the milk chemical and microbiological quality in dairy donkey farms located in NorthWestern Italy. DOI:10.1016/j.foodcont.2014.08.019. pp.230-235. In *FOOD CONTROL* - ISSN:0956-7135 vol. 50
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2013. Enterotoxin gene profiles of *Staphylococcus aureus* isolated from milk and dairy products in Italy. DOI:10.1111/lam.12182. pp.190-196. In *LETTERS IN APPLIED MICROBIOLOGY* - ISSN:0266-8254 vol. 58 (2)
2012. Quantification of Patulin in Piedmont cheese by HPLC: preliminary note. DOI:10.1007/978-3-642-23271-8\_29. pp.173-177. In *Veterinary Science Current aspects in Biology, Animal, Pathology, Clinic and Food Hygiene* - ISBN:9783642232718
2012. Detection of virulence-associated genes and epidemic clone markers in *Listeria monocytogenes* isolates from PDO Gorgonzola cheese. DOI:10.1016/j.ijfoodmicro.2012.09.011. pp.76-79. In *INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY* - ISSN:0168-1605 vol. 160
2011. Simultaneous detection of cow and buffalo milk in mozzarella cheese by Real-Time PCR assay. DOI:10.1016/j.foodchem.2010.06.017. pp.362-366. In *FOOD CHEMISTRY* - ISSN:0308-8146 vol. 124
2011. Novel multiplex single nucleotide polymorphism-based method for identifying epidemic clones of *Listeria monocytogenes*. DOI:10.1128/AEM.00429-11. pp.6290-6294. In *APPLIED AND ENVIRONMENTAL MICROBIOLOGY* - ISSN:1098-5336 vol. 77
2010. Microbial ecology of artisanal products from the Piedmont region (North West Italy) and antimicrobial activity of the autochthonous populations. pp.1151-1159. In *LEBENSMITTEL-WISSENSCHAFT + TECHNOLOGIE* - ISSN:0023-6438 vol. 43
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