

PERSONAL INFORMATION FRANCESCO ARIOLI

POSITION Associate Professor in Veterinary Pharmacology and Toxicology (Scientific Sector Vet 07)
 PhD in Animal Nutrition and Food Safety

WORK EXPERIENCE

- From 2001 to the present University of Milan
 Research on the origin of pseudoendogenous substances in biological matrices from zootechnical animals, residues of illicitly used substances and contaminants in foodstuffs for human and animal nutrition, characterization of the risks deriving from their intake
- From 2016 to 2018 University of Milan
 teacher in the courses: Toxicology: research of pollutants and illicit substances in the ABA Course; Toxicology and fauna: emerging contaminants, in the STPA Course; of the module Toxicology and contaminants in feed in the course Biochemistry, pathology and food toxicology, Course STPA
- 2015 University of Milan
 Teacher in the module Toxicology and contaminants in feeds in the course Biochemistry, pathology and food toxicology, Course STPA
- From 2012 to 2015 University of Milan
 Teacher of the Course of Toxicology Applied to Animal Production, in the Course "Animal Breeding and Welfare"
- In 2011 University of Milan
 Teacher of the Course of Toxicology Applied to Animal Production, in the Courses "Animal Breeding and Welfare" and "Animal Production, Food and Health"
- From 2014 to the present University of Milan
 Professor of the PhD Program in: "Doctorate in Veterinary and Breeding Sciences" - Faculty of Veterinary Medicine, University of Milan
- From 2011 to 2014 University of Milan
 Qualified Associate Professor in Pharmacology and Veterinary Toxicology (Scientific Disciplinary Sector Vet / 07)
- From 2006 to 2008 Renova srl Varese
 Renewable energy
 Scientific consultant
 Supervisor of the research activities of the Renova group in the field of biofuels.
- From 2018 University of Milan
 Associate professor
- From 2010 to 2018 University of Milan
 Assistant professor
- From 2001 to 2010 University of Milan
 High expertise technician (10th level)
 Studies on the metabolism of drugs and hormones for veterinary use, with particular attention to fermentative transformations caused by environmental microflora.
 Manager of the Veterinary toxicology laboratory.
- From 1989 to 2001 University of Milan
 Executive technical (8th level)
 Conducting studies on receptors of the Autonomous Nervous System in livestock both in vivo and in vitro.
- From 1981 to 1989 University of Milan
 IV level technician
 Participation in a research group on functional and in vivo studies that in vitro on the receptors of the Autonomous Nervous System in livestock.

EDUCATION AND TRAINING

2010 University of Milan
 Doctoral School in: Animal Nutrition and Food Safety

Doctor of Research in Animal Nutrition and Food Safety
 Studies on the metabolism of anabolic steroids and corticosteroids in animal dejections, with particular attention to fermentative transformations caused by environmental microflora. Thesis title: The double bond in $\Delta 1-2$ position of steroids: a matter of controversy in the control of the illicit treatments of farm animals

- 1998 University of Milan
 Faculty of Agriculture
 State examination
 Food Technologist
- 1991 University of Milan
 Faculty of Agriculture
 Master in Food Science
 Food technologies, microbiology, chemistry, nutrition physiology.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	good	excellent	good	good	good

Communication skills

I usually work in teams where interaction and communication are fundamental.
 ▪ I work continuously as a lecturer, occasionally I am a speaker in training meetings or conferences I collaborate in the organization of research projects

Organisational / managerial skills

Both in the past, as a technician managing a laboratory, and now, as a researcher, I manage staff with high qualifications and professionalism.
 I participate in the preparation of research projects and I am currently a tutor of PhD student.

Job-related skills

- Management of chemical analytical instrumentation (HPLC MS)

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Basic user	Independent user

- good command of office suite (word processor, spread sheet, presentation software)
- good command of statistical sw (Graphpad Instat) and software for the management of HPLC-MS (Xcalibur Thermo)

Other skills He works as a referee for scientific journals:
 - Steroids;- Rapid communications in mass spectrometry; Environmental Toxicology and Chemistry; International Journal of Health, Animal Science and Food Safety; Journal of Food and Drug Analysis -Food Additives and Contaminants;Journal of Analytical Methods in Chemistry
 Editor on the correctness of the peer review evaluations of the Referees in the evaluation processes of the RF / GR 2013 of the Ministry of Health later included in REPRISE - Register of Expert Peer Reviewers for the Italian Scientific Evaluation
 Auditor ANVUR
 Referee for a Research Project at the request of the "Scientific Evaluation Committee" Food and Food Security "of the 2016 Work program of the French National Research Agency (ANR)".
 Expertise for Fonds Wetenschappelijk Onderzoek -Vlaanderen (FWO) -Research Foundation-Flanders. (2017).
 Member of operational units in research projects of national and international interest
 He s expertise for Region Lombardy on food safety issues related to the presence of drug residues, environmental contaminants, toxins of natural origin in food for animals or for human consumption.
 CTU in issues of residues of drugs or animal health at the Court of Cremona,Mantua and Brescia
 On 6 November 2018 the h-index on Scopus is 12

Driving licence B

ADDITIONAL INFORMATION

Publications of the last 3 years

Chiesa, L.M., Nobile, M., Biolatti, B., Pavlovic, R., Panseri, S., Cannizzo, F.T., Arioli, F. (2016) Detection of selected corticosteroids and anabolic steroids in calf milk replacers by liquid chromatography-electrospray ionisation - Tandem mass spectrometry, Food Control, 61,196-203. DOI: 10.1016/j.foodcont.2015.09.028

Chiesa L.M., Labella G.F., Pasquale E., Sara Panseri S., Pavlovic R., Arioli F. Determination of thyreostats in bovine urine and thyroid glands by HPLC-MS/MS (2016) Chromatographia, 79, 591-599. DOI:10.1007/s10337-016-3068-2

Chiesa L.M., Nobile M., Panseri S.,Biolatti B., Cannizzo F.T., Pavlovic R. and Arioli F. (2016) A liquid chromatography-tandem mass spectrometry method for the detection of antimicrobial agents from seven classes in calf milk replacers: validation and application J Agric. Food Chem. 64, 2635–2640. DOI: 10121/acs.jafc.6b00155

Chiesa L.M., Pavone S., Pasquale E., Pavlovic R., Panseri S., Valiani A., Arioli F., Manuali E. (2016) Study on cortisol, cortisone and prednisolone presence in urine of Chianina cattle breed, DOI: 10.1111/jpn.12509

Chiesa L., Labella G. F., Giorgi A., Panseri S., Pavlovic R., Sonia Bonacci, Arioli F. 2016. The occurrence of pesticides and persistent organic pollutants in Italian organic honeys from different productive areas in relation to potential environmental pollution, Chemosphere, 154, 482-490. DOI: <http://dx.doi.org/10.1016/j.chemosphere.2016.04.004>

- Chiesa L. M., Labella G. F., Panseri S., Pavlovic R., Bonacci S., Arioli F. 2016. Distribution of persistent organic pollutants (POPS) IN wild Bluefin tuna (*Thunnus thynnus*) from different FAO capture zones. *Chemosphere*, DOI 10.1016/j.chemosphere.2016.03.010
- L. Chiesa, S. Panseri, S. Bonacci, A. Procopio, A. Zecconi, F. Arioli, F.J. Cuevas, J.M. Moreno-Rojas, (2016) Authentication Of Italian PDO Lard Using Nir Spectroscopy, Volatile Profile And Fatty Acid Composition Combined With Chemometrics, *Food Chemistry*, 212 , 296-304
DOI:10.1016/j.foodchem.2016.05.180
- L. Chiesa, S. Panseri, R. Pavlovic, F.T. Cannizzo , B. Biolatti, S. Divari, R Villa, F.Arioli (2016) HPLC-ESI-MS/MS Assessment of the tetrahydro-metabolites of cortisol and cortisone in bovine urine: promising markers of dexamethasone and prednisolone treatment *Food Additives & Contaminants: Part A*, 33, 1175-1189 DOI:10.1080/19440049.2016.1202453
- L. M. Chiesa, M. Nobile, S. Panseri, B. Biolatti, F.T. Cannizzo, R. Pavlovic, F. Arioli (2017) Bovine teeth as a novel matrix for the control of food chain: liquid chromatography-tandem mass spectrometry detection of treatments with prednisolone, dexamethasone, estradiol, nandrolone and seven β_2 -agonists, *Food Additives & Contaminants: Part A*, 34, 40-48
DOI:10.1080/19440049.2016.1252469
- L. Chiesa, S. Panseri, F.T. Cannizzo, B. Biolatti, R. Benevelli, F. Arioli (corresponding author) , R. Pavlovic (2017) Evaluation of nandrolone and ractopamine in urine of veal calves: liquid chromatography-tandem mass spectrometry approach, *Drug testing and analysis*, 9, 561-570 DOI 10.1002/dta.2026
- L.M Chiesa, E. Pasquale, S. Panseri, D. Britti, R. Malandra, R. Villa, F. Arioli (2017) "Endogenous level of acetic acid in yellowfin tuna (*thunnus albacares*): a pilot study about a possible controversy on its residue nature *Food Additives & Contaminants: Part A*, 34, 2017, DOI: 10.1080/19440049.2016.1274432
- LM Chiesa, M Nobile, S Panseri, F Arioli, (2017) Antibiotic use in heavy pigs: comparison between urine and muscle samples from food chain animals analysed by HPLC-MS/MS, *Food Chemistry* 235 111-118
- LM Chiesa; M Nobile; E Pasquale; C Balzaretto; P Cagnardi; D Tedesco, S Panseri, F Arioli (2018) Detection of Perfluoroalkyl Acids and Sulphonates in Italian Eel Samples by HPLC-HRMS Orbitrap, *Chemosphere* 193, 358-364 doi:10.1016/j.chemosphere.2017.10.082

LM Chiesa, M Nobile, R Malandra, S Panseri, F Arioli, (2018) Occurrence of antibiotics in mussels and clams from various FAO areas, *Food Chemistry*, 240, 16-23

LM Chiesa, F Ceriani, M Caligara, D Di Candia, R Malandra, S Panseri, F Arioli (2018) Mussels and clams from the Italian fish market. Is there a human exposition risk to metals and arsenic? *Chemosphere*, 194, 644-649

Chiesa, L., Panseri, S., Pasquale E., Malandra R., Pavlovic R., Arioli F. (2018) Validated Multiclass Targeted Determination of Antibiotics in Fish with High Performance Liquid Chromatography - Benchtop Quadrupole Orbitrap Hybrid Mass Spectrometry. *Food Chemistry*, 258, 222-230.
Chiesa, L. M., Nobile, M., Malandra, R., Pessina, D., Panseri, S., Labella, G. F., & Arioli, F. (2018). Food safety traits of mussels and clams: distribution of PCBs, PBDEs, OCPs, PAHs and PFASs in sample from different areas using HRMS-Orbitrap® and modified QuEChERS extraction followed by GC-MS/MS. *Food Additives & Contaminants: Part A*, 1-13.

Chiesa, L. M., Nobile, M., Panseri, S., & Arioli, F. (2018). Suitability of feathers as control matrix for antimicrobial treatments detection compared to muscle and liver of broilers. *Food Control*, 91, 268-275.

Chiesa, L. M., Panseri, S., Nobile, M., Ceriani, F., & Arioli, F. Distribution of POPs, pesticides and antibiotic residues in organic honeys from different production areas (2018) *Food Additives & Contaminants: Part A*, 35, 1340-1355 doi.org/10.1080/19440049.2018.1451660

Chiesa, L., Panseri, S., Pavlovic R., Arioli, F. Biogenic amines evaluation in wild Bluefin tuna (*Thunnus thynnus*) originating from various FAO areas (2018) *Journal of Consumer Protection and Food Safety*, <https://doi.org/10.1007/s00003-018-1184-7>

Personal information

I authorize the handling of personal information in this curriculum, according to D.Lgs n. 196/03 and following modifications and Regulations EU 679/2016 (General Regulations concerning Data Protection or GRDP) and art. 7 of University Regulations concerning protection of personal information.

I authorize, according to D.lgs 14/03/2013 n. 33 concerning transparency, in case of conferment of the position and of the fellowship, the publication of this curriculum in the web site of Università degli Studi di Milano in the section "Amministrazione trasparente", "Consulenti e collaboratori".



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