



Curriculum Vitae

Personal information

First name(s) / Surname(s) **Marchis Daniela**
 Address(es) Via Bologna 148 – 10154 Torino, Italy
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 E-mail daniela.marchis@izsto.it
 Nationality Italian
 Gender Female

Work experience

Dates	2006 – now
Occupation or position held	Head of Feed Hygiene Laboratory Unit
Main activities and responsibilities	<ul style="list-style-type: none"> • In charge of Feed Hygiene Laboratory • In charge of NRL (National Reference Laboratory) on Animal Proteins, (European Reference Laboratory for animal proteins in feedingstuffs, Wallon Agricultural Research Centre, Chaussée de Namur, 24 B 5030 Gembloux, Belgium) ,
Name and address of employer	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Turin, Italy
Type of business or sector	Veterinary Public Health
Dates	2005 - 2006
Occupation or position held	Scientist of National Reference Centre for Animal Feed Control (C.Re.A.A.)
Main activities and responsibilities	In charge of NRL (National Reference Laboratory) on Feed Additives, Expert in Working Group (WG) on microorganisms (probiotics)
Name and address of employer	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Turin , Italy
Type of business or sector	Veterinary Public Health
Dates	2003 - 2005
Occupation or position held	Assistant Veterinarian
Main activities and responsibilities	Planning, Control and Marketing Division
Name and address of employer	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Turin, Italy
Type of business or sector	Veterinary Public Health

Dates	2000 – 2010
Occupation or position held	Member of the Prevention and Protection Service with special responsibility for Microbiological risk
Main activities and responsibilities	Microbiological risk analysis
Name and address of employer	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Turin Centre, Italy
Type of business or sector	Veterinary Public Health
Dates	2002
	Maternity leave
Dates	2000 - 2001
Occupation or position held	Assistant Veterinarian
Main activities and responsibilities	Food Science and Safety Laboratory
Type of business or sector	Veterinary Public Health
Dates	1999 - 2000
Occupation or position held	Assistant Veterinarian
Main activities and responsibilities	Food Science and Safety Laboratory
Name and address of employer	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Alessandria Peripheral lab Italy
Type of business or sector	Veterinary Public Health
Dates	1998
	Maternity leave (two)
Dates	1995-1997
Occupation or position held	Grant In Food Safety
Main activities and responsibilities	Identification of Salmonella spp. in food, biomolecular methods
Name and address of employer	Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Turin, Italy
Type of business or sector	Veterinary Public Health
Dates	1992-1995
Occupation or position held	Contract scientist
Main activities and responsibilities	Expert consultant on welfare and experimental procedures on laboratory animal housing.
Name and address of employer	Faculty of Medicine University of Turin, Italy
Type of business or sector	University
Dates	1991 - 1995
Occupation or position held	Grant in immunology
Main activities and responsibilities	Role of cytokines on chronic leukemia - in vivo and in vitro experimental protocols
Name and address of employer	Faculty of Medicine University of Turin, Italy
Type of business or sector	University
Dates	1989-1991
Occupation or position held	Grant in Immunology

Main activities and responsibilities	Interactions of horse interleukin 1 and 6 in inflammatory diseases
Name and address of employer	University of Liverpool, UK, Faculty of Veterinary Medicine Department of Veterinary Science, Leahurst Veterinary Field Station,
Type of business or sector	University
Dates	1988
Occupation or position held	Grant in Immunology
Main activities and responsibilities	Role of cytokines on murine tumor growth
Name and address of employer	Faculty of Medicine University of Turin, Italy
Type of business or sector	University
Education and training	
Dates	1993-1997
Title of qualification awarded	4 years Microbiology and Virology PhD <i>cum laude</i>
Name and type of organisation providing education and training	University of Turin – Faculty of Medicine
Dates	1988
Title of qualification awarded	Admitted to the Register of Veterinarians
Dates	1982-1987
Title of qualification awarded	5 years Degree in Veterinary Medicine
Name and type of organisation providing education and training	Turin University, Faculty of Veterinary Medicine
Title of qualification awarded	<p>since 1988 several courses and seminars in Microbiology, Biotechnology and Immunology</p> <p>1996, Lille, France Institut Pasteur de Lille, France. «Unité la qualité microbiologique des aliments ».</p> <p>since 2005: workshops of EURL Feed Additives</p> <p>since 2006 workshops of EURL Animal Proteins in Feed</p> <p>2009 Training course at EURL AP on the microscopic detection of PAPs in feedingstuffs.</p> <p>2014 part of the working group on the use of insects in feed and food with a view to EXPO 2015</p> <p>2014 Principal investigator of the research project “Use of insects as a sustainable protein source in feed, a feasibility study”, (Italian Ministry of Health grant).</p> <p>2015 Principal investigator of the research project “Safety of former food in feed”, ongoing, (Italian Ministry of Health grant).</p> <p>2016 Principal investigator of the research project “ Intensive pig farming role in development of antimicrobial resistance in man” ongoing, (Italian Ministry of Health grant).</p> <p>2016 Co- investigator (together with prof. Aldini, UNIMI) of the research project “LC-MS/MS identification of species-specific muscle peptides in processed animal proteins” ongoing, (Italian Ministry of Health grant).</p> <p>2017 Principal investigator of the research project “ A pilot study: effects of carry over of drugs in feed on antimicrobial resistance” ” ongoing, (Italian Ministry of Health grant).</p> <p>2018 Principal investigator of the research project “Tetracyclines in Processed Animal Proteins: a monitoring study on their prevalence occurrence and antimicrobial activity” ongoing, (Italian Ministry of Health grant).</p> <p>2019 Principal investigator of the research project “Chemical and virologic characterization of insects intended for animal feed” ongoing, (Italian Ministry of Health grant).</p>
Personal skills and competences	

Mother tongue(s)	Italian
Other language(s)	Fluent in English
Computer skills and competences	Competent with most Microsoft Office programmes, in particular Word and Excel. Good practice in web.
Driving licence	Car (B type)
Additional information	<p>Over 50 scientific articles, papers, communications and posters in national and international meetings since 1993.</p> <p>Chief Scientist and Coordinator in many research projects financed by the Piedmont Region and Italian Health Ministry</p> <p>lecturer at BTSF Course TRAINING COURSE ON FEED LAW, 6-10 June And 22-26 November 2011, « National Reference Laboratory on feed additives: the analytical approach”</p> <p>Lecturer at BTSF Distance learning course “eXact learning solutions Modules for eLearning training courses under the programme Better Training for Safer Food EU provisions as regards the feed ban, UNIT V.</p> <p>Expert in Working Group Panel Biohazard European Food Safety Authority (EFSA) “Updated quantitative risk assessment (QRA) of the BSE risk posed by processed animal protein (PAP) (2018)</p> <p>Expert Working Group for the Revision of the EURL-AP Standard Operating Procedure Operational protocols for the combination of methods for detection of animal proteins in feed (2020) (V.3.0 to V.4.0)</p>

Last five years peer-reviewed publications

- 1 Marchis D., Benedetto A., Amato G., Brusa B., Squadrone S., Abete M.C. (2013) “A quantitative real time polymerase chain reaction approach for estimating processed animal proteins in feed: preliminary data” Italian Journal of Food Safety 2013; 2: e4.
- 2 Gili M., Marchis D., Stella P., Olivo F., Ostorero F., Franzoni M., Abete M. C. (2013) “Multiresidue confirmatory method for determination of quinolones in milk by HPLC: method development and validation according to the criteria of Commission Decision 2002/657/EC” Italian Journal of Food Safety 2013; 2 e9.
- 3 Marchis D., Amato G., Abete M.C. (2013) “A monitoring study of glyceroltriheptanoate (GTH) in animal by- products through a validated GC-MS analytical method” Food Control, 34 (2013) pp. 624-629.
- 4 Giovannozzi A. M., Rolle F.; Sega M., Abete M.C., Marchis D., Rossi A. M. (2014) “Rapid and sensitive detection of melamine in milk with gold nanoparticles by surface enhanced Raman scattering” Food Chemistry 159 (2014) 250–256
- 5 Ottoboni M, Cheli F., Amato G., Marchis D., Brusa B., Abete M.C., Pinotti L. (2014) “Microscopy and image analysis based approaches for the species-specific identification of bovine and swine bone containing material” Italian Journal of Animal Science 2014; volume 13:3187
- 6 Squadrone S., Marchis D., Loria A., Amato G., Ferro G.L., Abete M.C. (2015) “Detection of banned antibacterial growth promoter in animal feed by enzyme-linked immunosorbent assay: method validation according to the Commission Decision 2002/657/EC criteria” Food Control, 47, January 2015, pp. 66–70
- 7 Marchis D., Amato G., Giovannini T., Grifoni F., Gatto S., Barettoni P., Millone A., Nicodemo M.c., Dutto A., Gili M. (2015) “Trends in Piedmont Region (Italy) of the use of veterinary drugs in bovine farms” 13th International Congress of the European Association of Veterinary Pharmacology and Toxicology 19-22 July, Nantes France.
- 8 Autori vari (2015) “Il progetto edible insects nutrire il pianeta con nuove fonti sostenibili” Progetto promosso e coordinato da Andrea Mascaretti Salone Internazionale della Ricerca, Innovazione e Sicurezza Alimentare Società Umanitaria.
- 9 Giacomino, L.M. Mercurio, M. Malandrino, O. Abollino, L. Mandrile, A.M. Rossi, D. Marchis (2015) “Inorganic composition and raman spectroscopy as new methods for the identification of animal meals resided in feed.” Atti del XXV Congresso della Divisione di Chimica Analitica della Società Chimica Italiana Trieste, 13 – 17 Settembre 2015
- 10 G. Ferro, F. Ostorero, D. Marchis, M.C. Abete, M. Gili (2016) “Quantitative determination of natural hormones in bovine blood serum by LC-MS/MS: method development and validation” Poster Atti MASSA 2016, ISTISAN Congressi, Istituto Superiore di Sanità Roma, 6-8 settembre 2016
- 11 G. Amato, L. Ceppa, T. Giovannini, M. Rizzi, S. Squadrone, M.C. Abete, L. Gasco, M. Meneguz, D. Marchis (2016) “Bioaccumulation of heavy metals in insects: preliminary data” Poster Atti FEED 2016 5th International Feed Conference: Present and Future Challenger. 19 - 20 October 2016 Geel – Belgium

- 12 D. Marchis, T. Giovannini, G. Amato, L. Ceppa, L. Pinotti, M. Gili (2016) "Development and validation of a method for detection and quantification of packaging residues in feed from former food" Poster Atti FEED 2016 5th International Feed Conference: Present and Future Challenger. 19 - 20 October 2016 Geel – Belgium
- 13 R. Desiato, T. Giovannini, A. Benedetto, G. Amato, L. Ceppa, F. Grifoni, G. Ru, D. Marchis (2016) "Detection of ruminant DNA in fish feedingstuffs containing processed animal protein (PAP)." Poster Atti FEED 2016 5th International Feed Conference: Present and Future Challenger. 19 - 20 October 2016 Geel – Belgium
- 14 L. Mandrile, G. Amato, D. Marchis, G. Martra, A. M. Rossi (2016) Applications of vibrational spectroscopy for feed safety control Poster 1st Food Chemistry Conference, Amsterdam 30th October- 1st November 2016
- 15 M. Ottoboni, M. Tretola, F. Cheli, D. Marchis, P. Veys, V. Baeten, L. Pinotti (2017) Light microscopy and differential staining technique for the characterization and discrimination of insect versus marine arthropods processed animal proteins Food Additives and Contaminants: Part A, 2017 <http://dx.doi.org/10.1080/19440049.2016.1278464>
- 16 M. Ottoboni, M. Tretola, F. Cheli, D. Marchis, L. Pinotti (2017) Nutritional evaluation of former food products (ex-food) intended for pig nutrition Food Additives and Contaminants: Part A, 2017 <http://dx.doi.org/10.1080/19440049.2017.1306884>
- 17 L. Mandrile, G. Amato, D. Marchis, G. Martra, A. M. Rossi (2017) Species-specific detection of processed animal proteins in feed by Raman spectroscopy Food Chemistry 229 (2017) 268–275
- 18 P. Veys, V. Planchon, R. Colbert, C. Cruz, G. Frick, I. Ioannou, D. Marchis, E. Nordkvist, I. Paradies-Severin, A. Pohto, A. Wear, R. Weiss, V. Baeten, G. Berben (2017) Collaborative study on the effect of grinding on the detection of bones from processed animal proteins in feed by light microscopy Food Additives & Contaminants: Part A (TFAC) Article ID: TFAC 1312558. DOI 10.1080/19440049.2017.1312558.
- 19 G. Amato, R. Desiato, G. Giovannini, L. Pinotti, M. Tretola, M. Gili, D. Marchis (2017) Gravimetric quantitative determination of packaging residues in feed from former food Food Additives & Contaminants: Part A, DOI: 10.1080/19440049.2017.1337277 2 semestre
- 20 U. Natangelo, R. Desiato, S. Gattalo, F. Grifoni, P. Baretini, L. Ceppa, S. Bertolini, E. Baioni, D. Marchis, G. Ru (2017) "The use of antimicrobial drugs in fattening pigs in Italy " Oral Communication, ARAE, 7th Symposium on Antimicrobial Resistance on Animals and the Environment, 26-28 June, Braunschweig, Germany 2 semestre
- 21 G.L. Ferro, F. Ostorero, S. Falsetti, M. Bianchi, L. Decastelli, D. Marchis, M. Gili (2017) "Quantitative Determination of Cereulide in Food by LC-MS/MS" Poster 5th MS Food Day, Bologna October 11-13th 2017 2 semestre
- 22 D. Marchis, A. Altomare, M. Gili, F. Ostorero, A. Khadjavi, C. Corona, G. Ru, B. Cappelletti, S. Gianelli, F. Amadeo, C. Rumio, M. Carini, G. Aldini, C. Casalone (2017) "LC-MS/MS identification of species-specific muscle peptides in processed animal proteins" J. Agric. Food Chem., Just Accepted Manuscript • DOI: 10.1021/acs.jafc.7b04639 • Publication Date (Web): 10 Nov 2017 Downloaded from <http://pubs.acs.org> on November 15, 2017
- 23 A. Ricci, A. Allende, D. Bolton, M. Chemaly, R. Davies, P.S. Fernandez Escamez, R. Girones, L. Herman, K. Koutsoumanis, R. Lindqvist, B. Nørrung, L. Robertson, G. Ru, M. Sanaa, P. Skandamis, E. Snary, N. Speybroeck, B. Ter Kuile, J. Threlfall, H. Wahlström, A. Adkin, M. Greiner, D. Marchis, M. Prado, T. Da Silva Felicio, A. Ortiz-Pelaez and M. Simmons (2018) "Updated quantitative risk assessment (QRA) of the BSE risk posed by processed animal protein (PAP)" EFSA Journal 2018;16(7):5314
- 24 Pinotti, C. Giromini, M. Ottoboni, M. Tretola and D. Marchis (2019) Review: Insects and former foodstuffs for upgrading food waste biomasses/streams to feed ingredients for farm animals Animals, 2019 <https://doi.org/10.1017/S175173111800362295>.
- 25 D. Marchis, G. Amato, T. Giovannini, Tiziana; A. Khadjavi, S. Morello; M. Gili, L. Pinotti; I. Ujcic-Vrhovnik, Gravimetric quantitative validation of botanic impurities in feed Journal of the Science of Food and Agriculture, in press

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