

PERSONAL INFORMATION



Silvana Mattiello

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silvana.mattiello@unimi.it

Gender F | Place and date of birth Milan, 06/08/1962 | Nationality ITALIAN

PROFESSIONAL EXPERIENCE

2004-today

Associate professor (SSD AGR/19)

Employer: University of Milan – Milano (Italy)

Activity: Scientific research and University teaching on wild and domestic ruminants, applied ethology and animal welfare, mountain farming and development cooperation

2000-2004

Research grant

Employer: University of Milan

Activity: Scientific research on wild and domestic ruminants, applied ethology and animal welfare, mountain farming and development cooperation

1997-2000

Research contract in the project "Chain management of veal calves welfare", financed by U.E. (Fair 3 CT96 - 2049)

Employer: University of Milan – Milano (Italy)

Activity: Collaboration in the EU project "Chain management of veal calf welfare" (Fair 3 CT96 - 2049)

1995-1997

Post-doc grant

Employer: University of Milan – Milano (Italy)

Activity: Research on behaviour and welfare of wild and domestic species

1988-1990

Professor of Animal Husbandry

Employer: NGO Cooperazione Internazionale, Via De Lemene, 50, Milano (Italy) (on behalf of the Italian Ministry of Foreign Affairs)

Activity: Teaching, research and technical advise at Pontificia Universidad Católica del Ecuador di Cuenca (P.U.C.E.) in the development cooperation project 752/g154/Coopi/Eq

1986-1988

Voluntary attending

Employer: University of Milan – Milano (Italy)

Activity: Research on behaviour and welfare of wild ungulates

EDUCATION AND TRAINING

1990-1993

PhD in Animal Science

Faculty of Veterinary Medicine, University of Milan, Via Celoria 10 – Milano (Italy)

▪ **Acquired abilities:** research abilities and field experience of animal husbandry and applied ethology

1981-1986

Degree in Animal Husbandry (*cum laude*)

Faculty of Veterinary Medicine, University of Milan, Via Celoria 10 – Milano (Italy)

▪ **Acquired abilities:** competences of animal husbandry, nutrition and genetics of farm animals

1975-1981

Scientific High School Diploma

XIII Liceo Scientifico, Via Corti 16, Milano

▪ **Acquired abilities:** general scientific and humanistic competences

PERSONAL COMPETENCES

Mother tongue
Other languages

ITALIAN

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
ENGLISH	C1	C2	C1	C2	C2
SPANISH	C1	C1	C1	C1	C1
FRENCH	C2	C2	C1	C1	C1
Diploma of the "Alliance française", level "très bien"					

- Social skills and competences** ▪ very good ability to interact with people, acquired through frequent contacts with students and with national and international colleagues
- Organisational skills and competences** ▪ very good organizational skills acquired as coordinator and scientific responsible of several research projects; leadership (in the past she has been responsible of the Animal welfare, Applied ethology and Sustainable production Lab and Coordinator of the Section of Animal Husbandry of the Dept. of Animal Science).
- Technical skills and competences** ▪ good computer skills (including the use of statistical software) and use of videorecording tools for behavioural observations.
- Other competences** ▪ nature photography
- Driving licence** B

FURTHER INFORMATION

- Publications**
- Author of 87 international publications indexed in Scopus
 - Author of more than 100 additional scientific and popular articles in national and international journals
 - Author of 2 monographies on red deer for students, hunters and naturalists
 - Author of 2 international book chapters
 - Co-author of 2 books on animal nutrition for students of Veterinary Medicine and Animal Science and for technicians
 - Author of 3 book chapters on applied ethology for students of Veterinary Medicine and Animal Science
 - Author of 1 book chapter in a book on Animal Science for students of Agricultural Science, Veterinary Medicine and Animal Science
 - She is currently editing the book "The Welfare of Goats" for the Springer Nature book program in Veterinary Sciences and Animal Welfare
 - Citations: 1677 (Scopus)
 - H index: 21 (Scopus)
- Other research products**
- Within the AWIN project, she took part to the development of the AWINGoat app for welfare evaluation of farmed goats. AWINGoat allows farmers, veterinarians and technicians to collect, store and download data regarding welfare indicators included in the AWIN welfare assessment protocol for goats (first level evaluation) (http://dx.doi.org/10.13130/AWIN_goats_2015).
 - Within the DEMOCAPRA project she took part to the development of the app DEMOCAPRA for the management of goat dairy farms.
- Conferences and seminars**
- Author of nearly 150 communications and posters at national and international conferences, including several presentations as invited speaker.
- Projects**
- **Coordination of competitive research projects:**
 - 1989-1990: Scientific coordinator of the project "Cria y reproducción de alpacas en el Sur del Ecuador", financed by CONUEP - Ecuador.
 - 2006-2008: Responsible of the research unit of the University of Milan for the project "Physical conditions of Cervidae in Central Italian Alps depending on environmental conditions" financed by M.I.U.R. (PRIN 2006).
 - 2011: Responsible (replacing Prof. Verga) of the research unit of the University of Milan in the research project "Animal adaptation to farming environment, and consequences on animal health and drug use" (agreement between IZSLER and UNIMI).
 - 2011-2012: Principal Investigator of the project "Defence and valorization of biodiversity in Niger by means of environmental education programmes and operational strategies", financed by Comune di Milano in the frame of the programme "Milano per la difesa, incremento e valorizzazione della biodiversità. Contributi a favore della solidarietà e della cooperazione internazionale - Anno 2009". € 100 000.
 - 2011-2015: Principal Investigator of the European project "Development, integration and

dissemination of animal-based welfare indicators, including pain, in commercially important husbandry species, with special emphasis on small ruminants, equidae and turkeys" (AWIN), 7^o FP Collaborative project, Theme [KBBE.2010.1.3-03] Id. "FP7-KBBE-2010-4", Project n. 266213. € 498 582.

- 2017-2019: Coordinator of the project "Participatory dissemination of sustainable management models for the breeding of dairy goats in Lombardy using innovative tools" (DEMOCAPRA), financed within the operation 1.2.01 "Informazione e progetti dimostrativi" of the Rural Development Programme 2014 - 2020 of Lombardy Region. € 246.665,66.
- 2019-2022: Coordinator of the EIP-AGRI project "Multidisciplinary approach for setting up a continuous monitoring system in dairy goat farms by means of animal vocalisations" (VOCAPRA), financed within the operation 16.1.01 "Cooperation" of the Rural Development Programme 2014 - 2020 of Lombardy Region. € 419.960,71.
- 2022-: Coordinator for UNIMI of the Erasmus+ KA220-VET - Cooperation partnerships in vocational education and training project "Dissemination Of Animal Welfare Practices In Farmed Ruminants" (2021-1-TR01-KA220-VET-000025255). € 213.180.
- 2022-: Management Committee Member from Italy to COST Action CA21124 "LIFT: Lifting farm animal lives – laying the foundations for positive animal welfare".
- 2024-: Coordinator for UNIMI of the EU project "European Partnership of Animal Health and Welfare.

• Coordination of other granted research projects

- 2005-2006: Responsible of the project "Feeding interactions among ungulates in alpine environment" (Università degli Studi di Milano, FIRST 2005).
- 2006-2008: Responsible of research activity on red deer, supported by Comitato di Gestione del Comprensorio Alpino della Caccia di Sondrio.
- 2006-2007: Responsible of the project "Analysis of red deer (*Cervus elaphus*) diet in alpine environment, and of its variations depending on environmental factors and individual characteristics" (Università degli Studi di Milano, FIRST 2006)
- 2007-2008: Responsible of the project "Investigation on different methods for the evaluation of nutritional conditions of wild ungulates in alpine environment" (Università degli Studi di Milano, FIRST 2007).
- 2008-2009: Responsible of the project "Animal welfare in traditional mountain dairy cattle farms" (Università degli Studi di Milano, PUR 2008).
- 2011-2013: Responsible of research activity on typical alpine fauna, supported by Comitato di Gestione del Comprensorio Alpino della Caccia del Val Chiavenna.
- 2017-2020: Responsible of the project "What's in a "meow": investigating cat-human communication" (Università degli Studi di Milano).
- 2022-present: Responsible of research activity within the AGRIDIGIT project/subproject PLF4MILK, lead by CREA-ZA, for monitoring and analysing cattle vocalisations.

• Participation to research projects:

- 1997-2000: Participation to the European project "Chain Management of veal calves welfare" (FAIR-CT96-2049).
- 2002-2003: Collaboration with the Associazione Provinciale Allevatori di Milano for a survey on the welfare status in cattle and pig farms in Lombardy, and for drafting national guidelines for dairy cattle and pig welfare, supported by Assessorato alla Politica dei Parchi e dell'Agricoltura di Milano and Fondazione Iniziative Zooprofilattiche e Zootecniche di Brescia.
- 2002-2004: Participation to the research project "Interactions between domestic and wild fauna", in collaboration with the Institute of Animal Science (IAS) of Prague, in the frame of bilateral agreements between Italy and Czech Republic.
- 2003-2005: Participation to the project "Welfare evaluation of heavy pigs depending on management techniques: behavioural and physiological indicators", financed by MIUR (PRIN 2003).
- 2010-2019: Participation to the Welfare Quality Network (WQN), a network of European researchers that aims to maintain and develop the collaboration and experiences deriving from the European Welfare Quality[®] for setting up welfare protocols.
- 2011-2014: Responsible of collection and management of welfare data in the research project n. 1726: " Identification of models of dairy cattle farms for excellent production of milk and dairy products" (EULAT), financed by Lombardy Region.
- 2016-2018: Participation to the project "Identification of volatile and non-volatile compounds of neutral lipids as markers of the origin of goat's milk and cheeses produced in farms located in

mountain areas in Lombardy" (Università degli Studi di Milano).

- 2018-present: Participation to the project "Genetics of Weeping Udder in Goats" (Università degli Studi di Milano).
- 2019-2022: Participation to the project "Evaluation of the quality of the queen bee according to morphological, ethological, environmental and health factors" (Università degli Studi di Milano).
- 2019-2022: Participation to the project "Alternatives to early dairy cow-calf separation for improving animal welfare: farmers' perceptions and scientific evidence" (Università degli Studi di Padova).
- 2021-present: Participation to the project "Development of an innovative supply chain management model to improve internal and external information flow, optimize processes and obtain sustainable and high-quality dairy products that meet consumer needs" (PSR 2014-2020. Operazione 16.2 PIF)
- 2022-2023: Participation to the project "Monitoring of emissions from goat farms to safeguard animal welfare and environmental sustainability" (MACBET) (Università degli Studi di Milano).
- 2022-2023: Participation to the project "A model for the transition from tie- to loose-house systems in dairy farming" (FREECOW) (Università degli Studi di Milano).
- 2022-2025: Participation to AGRITECH (PNRR): SPOKE 5 - Sustainable productivity and mitigation of environmental impact in livestock systems. Task 5.1.2 -Measurement, recording, and modeling of animal welfare and production data; Task 5.2.3 - Use of smart technologies to optimize the welfare of grazing dairy cattle and goats and to enhance environmental sustainability of their production. € 300.000.

Reviewer activity

- Reviewer for the following journals: Journal of Animal Science, Journal of Dairy Science, International Journal of Biometeorology, Italian Journal of Animal Science, European Journal of Wildlife Research, Large Animal Review, Agronomy for Sustainable Development, Animal, Animals, Small Ruminant Research, Journal of Veterinary Behavior, Annals of Sylvicultural Research, Livestock Science, PLOSone, Animal Welfare, Ecological Indicators, Journal of Applied Animal Welfare Science, Journal of Environmental Management, General and Comparative Endocrinology, Journal of Mountain Science, Applied Animal Behaviour Science.
- Since 2013: member of the editorial board of the section "Environmental resources and natural food chains" of the Journal of Nutritional Ecology and Food Research.
- 2013-2019: member of the Editorial Board of The Scientific World Journal - Zoology subject area.
- 2019: guest editor of the special issue "Positive aspects of animal welfare" for the journal "Animals".
- Since 2019: member of the Editorial Board of the journal "Animals", Section: Animal Welfare.
- Since 2022: member of the Editorial Board of the journal "Frontiers in Veterinary Science", Section Animal Behavior and Welfare
- 2009: board of experts for the evaluation of research and innovation projects of ARSIA (Agenzia per lo Sviluppo e l'Innovazione nel settore Agricolo-forestale) - Tuscany Region.
- Reviewer for research projects of the University of Padua, Teramo, Sassari and for the Istituto Zooprofilattico Sperimentale delle Venezie.
- Since 2009: expert evaluator for the EU of Individual Fellowships in the frame of the Marie Skłodowska-Curie Actions.
- 2012: evaluator of research projects for the BBSRC (Biotechnology and Biological Sciences Research Council).
- Since 2012: evaluator for ANVUR for national evaluation of the quality of research.
- Since 2018: expert for evaluation and monitoring of projects in the frame of the H2020 and Horizon programmes.
- 2020: Peer reviewer of the Scientific Committee report for the goat Code of Practice; National Farm Animal Care Council (Canada).
- Since 2019: member of the Editorial Board of "Animals", Section: Animal Welfare.
- Since 2022: member of the Editorial Board of Frontiers in Veterinary Science, Section Animal Behavior and Welfare

Awards and acknowledgments

- 1997: Assunta Capone award, assigned by Comunità Montana Terminio Cervialto-Montella (AV) for the best scientific communication at the 1st conference "Riqualificazione faunistica del territorio.

Relazione tra fauna selvatica e fauna domestica” for the oral presentation: “Interactions between red deer and cattle in an alpine summer range in Val Fontana”.

- 2002: “Bonadonna” award for the best poster presented at the 37th Simposio Internazionale di Zootecnia: “Zootecnia di montagna: valorizzazione della Agricoltura Biologica e del Territorio”. Poster title: “Impact of cattle grazing on a summer alpine range frequented by red deer”.
- 04/04/2017: national scientific qualification to cover the role of Full Professor for the Scientific Sector 07/G1 - Animal Science and Technology.

Offices held

- 2005 – 2009 Member of the Faculty Commission for Orienting students of Animal Production Courses
- 2005 - Delegate of UNIMI for the Inter-University Research Centre on Wildlife and on Environmental Improvements for Wild Fauna (CIRSEMAF)
- 2006 - 2020 Member of the Faculty Commission for restructuring Animal Production courses
- 2007 -2012 Coordinator of the Section of Animal Husbandry – Department of Animal Science - Faculty of Veterinary Medicine, University of Milan
- 2007-2012 Member of the Board of Dept. of Animal Science (DSA)
- 2012 – 2016 Member of the Board of Dept. of Veterinary Science and Public Health (DIVET)
- 2012 -2015 Member of the Council Directive of the Faculty of Veterinary Medicine
- 2015 - Member of the Coordinated Research Centre “Sustainability and human security: agende di cooperazione e governance” (SHuS)
- 2017- Member of the Coordination Committee of the Strategic Research Team “Cooperation development” (UniCS).

Membership

- President of WAVES Italia (Wild Animals Vigilance Euromediterranean Society - Italia) from 2006 to 2016; Member of the Board of Directors since 1998;
- Member of the Board of Directors of ZooBioDi (Società Italiana di Zootecnia Biologica) since 2007; member since 2001;
- Member of the Board of Directors of SoZooAlp (Società per la Valorizzazione degli Ecosistemi Zootecnici Alpini); member since 2001; President from 2019 to 2022.
- Member of A.S.P.A. (Associazione Scientifica di Produzione Animale) since 2007;
- Member of the Board of Directors of S.I.P.A.O.C. (Società Italiana di Patologia e di Allevamento degli Ovini e dei Caprini) since 2018; member since 2013.

Teaching activity

Since 2005: several courses for students of Agricultural Sciences, Veterinary Medicine and Animal Science, focusing on animal husbandry, animal welfare, wildlife management and development cooperation

2012 – 2012 Coordinator of post-grade course in “Animal production and development cooperation”

2009 – 2015 Director of the School of Specialization in “Applied ethology and Welfare of farm and companion animals”

Besides university courses, Prof. Mattiello held several courses for farmers, veterinarians and technicians.

Personal data

I authorize the treatment of my personal records according to the Decreto Legislativo 30 giugno 2003, n. 196 “Codice in materia di protezione dei dati personali”.

Milan, 15/11/2023

