

## **FEDERICA CAFFARO**

### **CURRICULUM VITAE AND SCIENTIFIC AND TEACHING ACTIVITY**

#### **POSITION**

Since 01/02/2023, she has been Associate Professor in Work and Organizational Psychology (S.S.D. PSIC-03/B) at the Department of Education Science, University of Roma Tre.

From 01/02/2020 to 31/01/2023 she was Tenure-track Researcher in Work and Organizational Psychology (S.S.D. M-PSI/06 - ex art. 24, para. 3, lett. B) at the Department of Education Science, University of Roma Tre.

#### **ACADEMIC QUALIFICATIONS**

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| 16/07/2012 | Ph.D. in Applied Psychology and Ergonomics. Doctorate programme in Psychological, anthropological and pedagogical sciences. Department of Psychology, University of Turin. |
| 09/07/2007 | Master's degree in Developmental and Educational Psychology. Department of Psychology, University of Turin. Final grade: 110/110 cum laude.                                |
| 31/01/2005 | Bachelor's degree in Developmental and Educational Psychological Sciences and Techniques. Department of Psychology, University of Turin. Final grade: 110/110.             |

#### **SCHOLARSHIPS AND RESEARCH GRANTS**

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| 01/04/2019-<br>31/01/2020 | Holder of a postdoctoral research grant at the Institute for Agricultural and Earthmoving Machinery (IMAMOTER) of the National Research Council of Italy (CNR) (later to become CNR-STEMS, Institute of Science and Technology for Energy and Sustainable Mobility), Turin branch, concerning the project " <i>DIT.AD018.001.003 passive safety and performance characterization of machines</i> ". |
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01/08/2017- 31/03/2019	Holder of a research grant at CNR - IMAMOTER, Turin branch, concerning the project <i>"Health and safety risks in the production of woody biomass: An action-research on forestry operators in the Piedmont area"</i> .
01/02/2016- 31/07/2017	Holder of a research grant at CNR - IMAMOTER, Turin branch, concerning the project <i>"SAFETY WITHOUT BORDERS - A research-intervention for the development of safety training solutions accessible to foreign workers"</i> .
01/02/2015- 31/01/2016	Holder of a research grant Master of Civil Society Talents at CNR - IMAMOTER, Turin branch, concerning the project: <i>"Aging at work: contribution of ergonomics to the analysis of the criticality of use of agricultural machinery"</i> .
05/05/2014- 31/01/2015	Holder of a scholarship for research activities at CNR - IMAMOTER, Turin branch, concerning the project <i>"INTRAC - Integration between ergonomic and safety aspects in agricultural tractors"</i> .
17/02/2014- 30/04/2014	Holder of a research collaboration contract at CNR - IMAMOTER branch in Turin aimed at carrying out field activities related to the topic of occupational health and safety in the agricultural sector.
01/04/2013- 31/05/2013	Holder of a research collaboration contract at Department of Life Sciences and Systems Biology, University of Turin, concerning the project: <i>"Act on Aging: a potential strategy to address demographic sustainability - an intervention research on the relationships between physical activity, memory and daily living skills in senior citizens"</i> .
01/02/2008- 30/06/2008	Holder of a research collaboration contract at Department of Psychology, Uni-Cuba Committee of the University of Turin, as part of the project <i>"Cognitive, affective, relational and socio-cultural aspects of autism in developmental age"</i> .
01/12/2007- 31/01/2008	Holder of a research collaboration contract at Department of Psychology, University of Turin, as part of the project <i>"Emotions and daily life: states of experience and psychophysiological modifications"</i> .

## RESEARCH ACTIVITIES

The research activities are characterised by an ergonomic approach that places the individuals, in their physical, psychological and social characteristics, at the centre of the design of working, learning and living environments and tools to optimize user safety and well-being and ensure the entire system's efficiency. There are four main strands of research: 1) human-centred design of training tools on occupational safety and environmental sustainability, with a focus on the opportunities offered by digital technologies (e.g. gamification, digital twins) and nudging; 2) analysis of the role played by social psychological and behavioural variables in the genesis of errors and accidents at work; 3) safety, comfort and performance in human-machine interaction and the built environment; and 4) acceptability of sustainable technological innovations within enterprises, barriers and facilitating factors for adoption.

### Scientific responsibility for research projects accepted for funding based on competitive calls involving peer review

From 15/10/2024- ongoing	Responsible for the Roma Tre research unit in the project " <i>OpenDigiFor: Digitization and open-source computerization in the forestry sector.</i> " Project funded by European Union-Next Generation EU through Agritech - National Center for Agricultural Technology, Spoke 4 "Multifunctional and resilient agricultural and forestry systems for mitigation of risks associated with climate change." Partners: UniMOL (lead), UniPA, JLB Books s.a.s. Total funding: €521,750, due to Roma Tre: €83,500.
From 18/10/2023- ongoing	Principal Investigator of the project " <i>SOHS - Sustainable Occupational Health and Safety in waste treatment plants: a gamified training tool for workers,</i> " PRIN 2022, PROJECT 20227TS4WN, funded by European Union-Next Generation EU. Partners: UniTO, UniBS, CNR-STEMS. Total funding: € 201,886, due to Roma Tre: € 84,326.
01/09/2020- 31/08/2023	Responsible for Roma Tre activities as associate partner (output O1, "Daylighting knowledge competences", no grant for associate partners, only travel allowance) within the <i>NLITED</i> project ( <i>New Level of Integrated TEchniques for Daylighting education</i> , Project Ref: 2020-1-IT02-KA203-079527). Erasmus plus project KA203 (strategic partnerships) three-year funding period: 2020-72023 Partners: Università Niccolò Cusano (lead partner), Danmarks Tekniske Universitet - Denmark, Politechnika Gdańska - Poland, Lunds Universitet - Sweden.

## **Responsibility for scientific studies and research entrusted by qualified public or private institutions**

- 01/01/2023-ongoing      Scientific leader of the project: "*Towards a greener workforce: decarbonizing companies and developing resources through an innovative training offer*," funded (60,000 Euros) by European Union-Next Generation EU, through Rome Technopole Foundation, Spoke 3 "University education, industrial doctoral courses, internationalization," Flagship Project 1 "Decarbonization and digitalization in research on new green energy sources." As part of this project, a doctoral fellowship was funded for the XXXVIII cycle of doctoral training, Doctoral program in Educational and Social Theory and Research, at the Department of Education Sciences, University of Roma Tre.
- 01/01/2023-ongoing      Scientific leader of the project: "*Ergonomic user-centred design of innovative tools for worker health and safety training in the manufacturing sector*," co-funded at 50 percent (€30,000) by a private company, Olivero Impianti srl. As part of this project, an industrial doctoral fellowship was funded for the XXXVIII cycle of doctoral training under DM 352/2022, "Innovative doctorates responding to the innovation needs of companies". Doctoral program in Educational and Social Theory and Research, at the Department of Education Sciences, University of Roma Tre.
- 01/11/2021-01/11/2023      Responsible for Roma Tre activities under the project: "*Agricultural and Forestry Tractor Foldable Roll-Over Protective Structures (FROPS): Development of an advanced method for training and information to promote correct and safer use*," funded by OECD (Organization for Economic Co-operation and Development). Total contribution: 20,000 euros. Travel allowances for Roma Tre. Project leader: CNR-STEMS.

## **Participation in funded research projects characterized by national collaborations**

- 01/11/2020-29/02/2024      Participation in national research group within the project "*IN-GEST SOIL - Innovation in the management of vineyard soils through the adoption of good practices and tools to support field activities*" (EAFRD- European Agricultural Fund for Rural Development: Europe invests in rural areas, RDP 2014-2020, Piedmont Region, Operation 16.1.1). Partners: Fondazione Agrion - Foundation for research, innovation and technological

development of Piedmontese agriculture (lead partner), CNR-STEMS, Consorzio Tutela del Gavi, 3a s.r.l. (private company), Cadir lab (service center), Vignaioli Piemontesi (winegrowers' association), az. agricole "Cascina gentile", Nebraie, Cascina Binè. Contribution: euro 481,507.35, of which EAFRD share: euro 207,625.97

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| 2020-2022                 | Participation in national research group within the project " <i>SAFETYforRESCUE - A technical-practical support for forestry operators intervening in complex realities in stands affected by biotic and abiotic adversities.</i> " Project funded by Regione Lombardia - Bando per il finanziamento di progetti di ricerca in campo agricolo e forestale, d.d.s. 28 marzo 2018 n. 4403. Partners: University of Padua (lead partner), ISFOL-Istruttori Forestali Lombardi, CNR-STEMS. |
| 04/02/2019-<br>09/12/2020 | Participation in national research group as part of the project " <i>Agriculture 4.0: an intervention research to promote the adoption of technological innovation among agricultural operators in Piedmont.</i> " (scientific manager CNR-IMAMOTER: Dr. Eugenio Cavallo), funded by Fondazione Cassa di Risparmio di Torino (Euro 18,000). Project conducted at CNR-IMAMOTER, in collaboration with the Department of Life Sciences and Systems Biology, University of Turin.          |
| 17/03/2017-<br>16/07/2018 | Participation in national research group as part of the project " <i>Health and safety risks in woody biomass production: an action-research on forestry operators in the Piedmont region</i> " (scientific manager CNR-IMAMOTER: Dr. Eugenio Cavallo), funded by Fondazione Cassa di Risparmio di Torino (Euro 35,000). Project conducted at CNR-IMAMOTER, in collaboration with the Department of Life Sciences and Systems Biology, University of Turin.                             |
| 01/01/2016-<br>30/06/2017 | Participation in national research group as part of the project " <i>SAFETY WITHOUT BORDERS - A research-intervention for the development of safety training solutions accessible to foreign workers</i> " (scientific manager CNR-IMAMOTER: Dr. Eugenio Cavallo), funded by Fondazione Cassa di Risparmio di Torino (Euro 36,000). Project conducted at CNR-IMAMOTER in collaboration with the Department of Life Sciences and Systems Biology, University of Turin.                   |
| 01/07/2015-               | Participation in the project " <i>Interactive Maintenance Training (IMT)</i> ," a   |

- 31/12/2015 feasibility study funded by the Regional Operational Program-"Regional Competitiveness and Employment"-F.E.S.R. 2007/2013. Axis 1 "Innovation and productive transition." Measure I.1.3 3 "Innovation Poles - Call for Feasibility Studies 2014" Pole: Mechatronics and Advanced Manufacturing Systems), in collaboration with S.S.T. srl (Turin) (CNR-IMAMOTER Contact: Dr. Eugenio Cavallo). Grant awarded: €27,865.61, due to CNR-IMAMOTER: €8,359.50
- 2013-2014 Participation in national research group as part of the project "*INTRAC - Integration between ergonomic and safety aspects in agricultural tractors*," funded by the Ministry of Agriculture, Food and Forestry (MiPAAF) (M.D. Ministry of Agriculture, Food and Forestry No. 12488/7303/11 of 09/06/2011). Project conducted at CNR-IMAMOTER, in collaboration with CREA (Council for Research in Agriculture and Analysis of Agricultural Economics)-ING, Treviglio (BG) site (leading partner). Grant awarded: €550,000, due to CNR-IMAMOTER: €7.550 €
- 2010-2012 Participation in national research group under the project "*Act on Aging: a potential strategy for addressing demographic sustainability - an intervention research on the relationships between physical activity, memory and daily living skills in senior citizens*." Project funded by the Piedmont Region, Research and University Directorate and Innovation (Regional call for research projects in Human and Social Sciences year 2008, no. 151 of 07/08/2009). Scientific resp. for: Prof.ssa Silvia Ciairano. Scientific resp. for the Ergonomics Laboratory, Dept. of Psychology-UNITO: Prof.ssa Alessandra Re. Project conducted at the Dept. of Psychology-University of Turin, in collaboration with School/University Interfaculty Structure in Exercise Science (S.U.I.S.M.), Dept. of Life Sciences and Systems Biology-UNITO (then: Dept. of Animal and Human Biology), CPO - San Giovanni Battista Hospital (Turin) and COREP (Consortium for Research and Education Permanente, Turin).
- 2009-2010 Participation in national research group as part of the project "*Models for Ergonomics Management for Safety in the Workplace*," funded by the Piedmont Region, Research and Innovation System (Code DA1300 D.D. November 28, 2008, No. 242; Official Bulletin No. 06, 12/02/2009). Scientific manager Dept. of Psychology- UNITO: Prof. Alessandra Re. Project conducted at the Department of Psychology-University of Turin, in collaboration with COREP (Consortium for Research and Continuing

Education, Turin), Polytechnic University of Turin, University of Eastern Piedmont, Fiat Research Center, API, Industrial Union, Craftsmen's Association, CGIL, CISL and UIL and INAIL Piedmont.

2006-2008 Participation in national research group within the project "*Emotions and everyday life: states of experience and psychophysiological modifications*," COFIN project, MIUR. Scientific manager Prof. Dario Galati. Project conducted at the Department of Psychology, University of Turin.

#### **Participation in funded research projects characterized by international collaborations**

01/05/2021-30/05/2024 Participation in international research group under the H2020 project "*DIALOGUES - Developing and constructing the concept of energy citizenship to support the Energy Union*." Program: H2020- EU.3.3. - SOCIETAL CHALLENGES - Secure, clean and efficient energy; Topic: LC-SC3-CC-1-2018-2019-2020 - Social Sciences and Humanities (SSH) aspects of the Clean-Energy Transition. Coordinating institution: Energie Institut an der Johannes Kepler Universitat Linz, Linz, Austria. Partners: Izmir Ekonomi Universitesi, Turkey; University of Geneva, Switzerland; Norwegian University of Science and Technology (NTNU), Norway; Université du Québec à Montréal, Canada; Università degli Studi Roma Tre. Roma Tre Unit Leader: Prof. Giuseppe Carrus. Total EU contribution: € 2,997,156.25, contribution for Roma Tre: € 193,125.

01/10/2020-31/12/2023 Participation in international research group under the H2020 Project "*ENCHANT - Energy efficiency through behavior change transition strategies*". Program: H2020-EU.3.3.1. - Reducing energy consumption and carbon footprint by smart and sustainable use; Topic: LC-SC3-EC-4-2020 - Socio-economic research: non-energy impacts and behavioral insights on energy efficiency interventions. Coordinating institution: Norwegian University of Science and Technology (NTNU), Norway. Academic partners: Izmir Ekonomi Universitesi, Turkey; Universitatea Babes Bolyai, Romania; Energie Institut an der Johannes Kepler Universitat Linz, Austria; Università degli Studi Roma Tre. Roma Tre Unit Leader: Prof. Giuseppe Carrus. Total EU contribution: € 1,957,291.33, contribution for Roma Tre: € 152,5000.

30/11/2018-30/06/2019 Participation in the project "*Participatory ergonomic approach to the development of best practices to improve the manual handling of rear-mounted foldable roll-over protective structures fitted on standard-track*

	tractors," funded by OECD (Organization for Economic Co-operation and Development, contribution Euro 10,000). Project carried out at CNR-IMAMOTER (contact person: Dr. Eugenio Cavallo), in collaboration with the Laboratory of Anthropometry and Ergonomics of the Department of Life Sciences and Systems Biology, University of Turin.
15/10/2017-30/04/2018	Participation in the project " <i>A study on an ergonomic approach for the assessment of the potential mismatch between farmers' strength capabilities and forces required in raising and lowering foldable ROPS,</i> " funded by OECD (Organization for Economic Co-operation and Development, contribution Euro 10,000). Project conducted at CNR-IMAMOTER (contact person: Dr. Eugenio Cavallo), in collaboration with the Laboratory of Anthropometry and Ergonomics of the Department of Life Sciences and Systems Biology, University of Turin.
01/11/2014-31/10/2015	Participation in international research group as part of the project " <i>Aging at work: contribution of ergonomics to the analysis of critical use of agricultural machinery,</i> " a project funded by the Gorla Foundation (Euro 18,000, DBIOS academic tutor: Margherita Micheletti Cremasco), conducted at CNR-IMAMOTER and Department of Life Sciences and Systems Biology, University of Turin, in collaboration with Department of Work Science, Business Economics and Environmental Psychology, Swedish University of Agricultural Sciences (SLU), Alnarp, Sweden.
2009-2010	Participation in international research group as part of the project " <i>Relationship between subjective well-being and characteristics of domestic living space,</i> " a project funded by the Fondazione Cassa di Risparmio di Torino. Scientific manager: Prof. Dario Galati. Project conducted at the Department of Psychology, University of Turin, in collaboration with Universidad Tecnológica de La Habana José Antonio Echeverría, Cuba.
2008-2010	Participation in international research group as part of the project " <i>Cognitive, affective, relational and socio-cultural aspects of autism in developmental age</i> " - Alfieri Project, funded by the Fondazione Cassa di Risparmio di Torino. Scientific manager: Prof. Dario Galati. Project conducted at the Department of Psychology, University of Turin, in collaboration with Universidad de la Habana, Cuba.



### **Other ongoing research projects not related to funding**

Participation in national research group for the realization of the project: "*Identification of a suspension system suitable for providing the operator with better comfort and more accurate performance*," in collaboration with CNR - STEMS Turin and COBO group (private company).

Participation in national research group to carry out the project: "*Adoption and attitudes toward the use of alternative energies to fossil fuels for the propulsion of agricultural machinery*," in collaboration with CNR - STEMS Turin.

Participation in national research group for the implementation of the project: "*Dissemination of practices and technologies for sustainable agriculture aimed at mitigating the effects of agricultural activity on climate change or undertaking strategies for adaptation to climate change*," in collaboration with CNR - STEMS Turin, Link University Rome.

Participation in national research group to carry out the project: "*Collaborating to innovate: challenges and opportunities for enterprises*," in collaboration with Department of Chemistry, University of Turin and CNR - STEMS Turin.

Participation in international research group to carry out the project "*Comprehension of safety pictogram affixed to agricultural machinery: evidence from Turkey*," in collaboration with CNR - STEMS Turin and Department of Agricultural Machinery and Technologies Engineering, Ondokuz Mayıs University, Samsun, Turkey.

### **Research activities at foreign institutions**

08/04/2015- Visiting researcher at Department of Work Science, Business Economics and  
30/06/2015 Environmental Psychology, Swedish University of Agricultural Sciences (SLU), Alnarp, Sweden. The research activity at SLU represented an extension of the project "*Aging at work: contribution of ergonomics to the analysis of critical use of agricultural machinery*" (UniTO academic tutor: Prof. Margherita Micheletti Cremasco; SLU international collaboration contact person: Prof. Peter Lundqvist) to a foreign context.

## **Achievements in technology transfer in terms of participation in the creation of new companies (spin offs), development, employment and commercialization of patents**

01/09/2012- R&D manager at Innersee s.r.l, Turin, Italy (private company). Collaboration in  
31/12/2014 the development of a multi-sensory stimulation program to be implemented on industrial products in the wellness sector to reduce stress levels in the individual (US Patent number 2017/0135492 A1; European Patent Number EP3073868; Inventor: Roberto Biancofiore c/o Innersee S.r.l.). Activities performed: analysis of the state of the art on work-related stress and identification of risk factors and restorative stimuli; application of methods and tools of product ergonomics: tests with users for usability evaluations of the graphical user interface of the program management software implemented on the developed product (observation and analysis of verbal protocols); evaluation of the *user experience* in interacting with the product (questionnaires on user pleasantness and mood states).

## **Achievement of prizes and awards for scientific activity**

Distinguished researcher award in Work and Organisational Psychology. Award given by Industrial Engineering and Operations Management Society International (IEOM society) at the 5<sup>th</sup> European IEOM Conference, Rome, Italy, July 26-28, 2022.

## **Memberships in scientific societies and affiliations with research groups**

Italian Ergonomics Society (SIE) - Ordinary member

Italian Psychology Association (AIP), Organizational Psychology Section - Ordinary member

European Association of Work and Organizational Psychology (EAWOP) - Ordinary member

Adjunct member of the Laboratory of Experimental Psychology (Resp. Prof. Stefano Mastandrea), Department of Education Sciences, University of Roma Tre.

Adjunct member of the Research and Services Center for Innovation, Education, Lifelong Learning for People and Organizations and the Balance of Competences (CReS IELPO, Resp. Prof. Antonio Coccozza), Department of Education Sciences, University of Roma Tre.

### Participation in summer schools and seminars

- 11-12/02/2020 Training Course *RRI principles and their application in H2020 projects*. Department of Engineering - University of Roma Tre.
- 23-28/09/2012 International Ph.D. Intensive School - *Ageing Society: Issues, Theories and Practices for an Active Ageing*. Department of Psychology - University of Turin.
- 25-29/07/2011 Summer school: *MATLAB Summer School 2011 1st Edition - Principles of Technical Computing*. Motor Sciences Research Center, Turin, Italy.
- 4-10/07/2010 *AIP (Italian Psychology Association) Summer School of Methodology: Log-linear models with manifest and latent variables*. University Residential Center, Bertinoro (FC).

### Qualifications

- 12/12/2023 Eligible to hold the positions of Full Professor, for the sector 11/E3 Social, work and organizational psychology (Notice D.D. 589/2021)
- 15/10/2018 Eligible to hold the positions of Associate Professor, for the sector 07/C1 Agricultural, forestry and biosystems engineering (Notice D.D. 1532/2016)
- 24/07/2018 Eligible to hold the positions of Associate Professor, for the sector 11/E3 Social, work and organizational psychology (Notice D.D. 1532/2016)
- 31/07/2008 Licensed to practice as a psychologist obtained by passing the State Examination

### Organization of conferences and seminars

- 2022/2023 Member of the scientific committee of Ragusa SHWA 2023, VII International Conference on Safety, Health, Welfare in Agriculture & Agro-Food Systems. Ragusa, September 6-9, 2023.
- 2016 Member of the scientific and organizing committee of: "FROM THE SILVER TO THE GOLDEN AGE. Initiatives and research on the Piedmont territory to promote active aging," a conference aimed at disseminating the results of research activities conducted on the Piedmont territory on the topic of designing *elderly-centred* systems. Turin, 12/16/2016. Funding body: Research and Talent Fund Foundation, University of Turin.

## TEACHING ACTIVITIES

### Teaching in undergraduate courses

From academic year 2023/2024 - ongoing Course "*Research Methods in Organizational Development Psychology*" (3 CFU, 18 hours), Masters' degree programme in Pedagogy, adults' education and long-life learning, curriculum in Adult and Continuing Education Sciences, Department of Education Science, University of Roma Tre.

From academic year 2022/2023 - ongoing Course "*Psychology of Organizational Wellbeing in Educational and Social Services*" (6 CFU, 36 hours), Master's degree programme in Socio-educational services manager, curriculum in Professional educator service coordinator, Department of Education Science, University of Roma Tre.

From academic year 2020/2021-ongoing Course "*Work Psychology*" (6 CFU, 36 hours), Bachelor's degree programme in Educational sciences for professional educators and adults' trainers, curriculum in Adults' trainer, Department of Education Science, University of Roma Tre.

From academic year 2020/2021-ongoing Course "*Psychology of Organizational Systems (in English)*" (6 CFU, 36 hours), Masters' degree programme in Pedagogy, adults' education and long-life learning, curriculum in Adult and Continuing Education Sciences, Department of Education Science, University of Roma Tre.

Academic year 2019/2020 Course "*Psychology of Social and Organizational Processes (in English)*" (6 CFU, 36 hours), Masters' degree programme in Pedagogy, adults' education and long-life learning, curriculum in Adult and Continuing Education Sciences, Department of Education Science, University of Roma Tre.

From academic year 2017/2018 to February 2020 Adjunct lecturer, teaching "*Anthropology and foundations of ergonomics*," (SSD: BIO/08) (2 CFU, 16 hours), Bachelor's degree programme in Biological Sciences, Department of Life Sciences and Systems Biology, University of Turin.

From academic year 2016/2017 to 2018/2019 Adjunct lecturer, teaching "*Human Ethology*" (SSD: BIO/08) (yy 2018/2019: 1 CFU, 8 hours; yy 2017/2018: 2 CFU, 16 hours; yy 2016/2017: 4 CFU, 32 hours), Master's degree programme in Evolution of Animal and Human Behavior, Department of Life Sciences and Systems Biology, University of Turin.

### Teaching in master's degrees/higher education courses

- 18/11/2022    Lecturer (2h) at the Continuing Education Course, First Edition, "*Advanced Course in Ergonomics for the Built Environment, Products and Services*" organized by Politecnico di Milano, under the sponsorship of SIE, Italian Society of Ergonomics and Human Factors. Lecture title: "*Module 2. Characteristics of the human being - Social aspects, behavior and human communication.*"
- 28/01    and    Lecturer at the refresher course "HR Empowerment Academy,"  
20/05/2022    interdepartmental course Economics and Education Sciences in agreement with TIM S.P.A. and Randstad. Lecture titles: "*Aging at Work*" (1h) and "*Digital transformation and potential assessment systems. Techniques and tools for assessing and valuing people*" (4h).
- 22/04/2022    Lecturer in "*Work and Organizational Psychology - Module 6 -Group Processes and School Organization*" (1.5 hours, 0.25 CFU) for the 24 CFU Training Pathway at Roma Tre University.
- 04/06/2021    Lecturer in "*Work and Organizational Psychology - Module 6 -Group Processes and School Organization*" (1.5 hours, 0.25 CFU) for the 24 CFU Training Pathway at Roma Tre University.
- 19/09        e    Lecturer (8 hours) at the Postgraduate course "Ergonomics for Industrial  
20/09/2016:    Safety," organized by the University of Turin, Sige Informatica srl and Nicma Consulting srl under the Patronage of SIE, Italian Society of Ergonomics and Human Factors. Project funded by: Ministry of Education University and Research. Human Centred Design module, Methods in physical-environmental ergonomics. Lecture title: "*Design and evaluation of environmental comfort.*"

### Teaching at doctoral programs

- 23/10/2024        2h lecture at the Doctoral Program in Educational and Social Research, Sociology and Social Service curriculum, Department of Education Science, University of Roma Tre. Lecture title "*Technological innovation for organizational sustainability: critical factors and tools to investigate them.*"
- 28/02/2024        2h lecture at the Doctoral Program in Educational and Social Research, Sociology and Social Service curriculum, Department of Education Science,

University of Roma Tre. Lecture title "*Promoting organizational well-being and occupational health: research methods and tools.*"

- 27/03/2023      2h lecture at the Doctoral Program in Educational and Social Research, Sociology and Social Service curriculum, Department of Education Science, University of Roma Tre. Lecture title "*Aging and Sustainable Work.*"
- 18/01/2023      2h lecture at the Doctoral Program in Educational and Social Research, Sociology and Social Service curriculum, Department of Education Science, University of Roma Tre. Lecture title "*Psychology and safety in the workplace.*"
- 03-04/02/2021      4h lecture at the Doctoral program in Innovation for circular economy, University of Turin. Lecture title: "*Organizational and cognitive ergonomics to design sustainable work systems.*"

#### **Extra-university teaching**

- 16/03/2018      "Arimondi Eula" Higher Education Institute, Savigliano (CN). Lecture (1h) on: "*Health and safety in the use of agricultural machinery: the role of the human factor,*" as part of the training meeting 'Efficiency and sustainability of machinery in agriculture'.
- 15/03/2010      Gozzo Impianti S.p.a. Pianezza (TO). Lecture (1h) on "*The environmental stressors*", as part of the training course "Work-related stress risks" at Gozzo Impianti S.p.a. (Pianezza, Turin), organized by Prof. Alessandra Re.

#### **Other educational activities**

Since academic year 2019/2020, supervisor of 31 three-year theses, 15 master's theses, tutor of 5 curricular internships and 2 post-title internship, at the Department of Education Sciences, Roma Tre University.

## INSTITUTIONAL ACTIVITY

### Management assignments

10/05/2023-ongoing	Member of the Quality Assurance Committee of the Department of Education Science, University of Roma Tre.
14/04/2023-ongoing:	Member of the Website and Communication Committee of the Department of Education Science, University of Roma Tre.
17/04/2023-ongoing	Member of the teaching board of the Doctoral program in Educational and Social Theory and Research, Sociology and Social Service curriculum, at the Department of Education Science, Roma Tre University.
20/06/2022-ongoing	Member of the Internationalization Committee for the Master's degree programme in Pedagogy, adults' education and long-life learning, at the Department of Education Science, Roma Tre University.
F21/09/2020-ongoing	Member of the Quality Assurance Committee for the Master's degree programme in Pedagogy, adults' education and long-life learning, at the Department of Education Sciences, Roma Tre University.

### Supervision of doctoral dissertations and research grants

From 03/02/2025-ongoing:	Supervisor of a research fellow (AGRITECH Project) at the Department of Education Sciences, University of Roma Tre.
From 01/05/2024-ongoing	Supervisor of a research fellow (PRIN 2022 Project) at the Department of Education Sciences, University of Roma Tre.
From 01/09/2023:	Co-supervisor (UNITO supervisor: Prof. Margherita Micheletti Cremasco) of a doctoral student XXXVIII cycle of the doctoral course in Sustainable Development and Cooperation (SUSTNET), University of Turin.

From 01/01/2023: Supervisor of two doctoral students XXXVIII cycle of the doctoral program in Educational and Social Theory and Research, at the Department of Education Sciences, University of Roma Tre (1 with industrial doctoral grant under DM 352/2022, Sociology and Social Service curriculum and 1 with Rome Technopole grant, Educational Theory and Research curriculum).

## Participation in evaluation committees

### (a) Research grants

2025 Committee member for the research grant entitled "*Design, implementation, and testing of innovative features in training courses focused on developing skills, knowledge, and cross-cutting competencies for green jobs, using gamification*" - PROGETTO Ecosistema dell'Innovazione "Rome Technopole", Department of Education Science, University of Roma Tre.

Committee member for the research grant entitled "*Establishing Urban FORest based solutions in Changing Cities (EUFORICC)*", Department of Education Science, University of Roma Tre.

2024 Committee member for the research grant entitled "*Psychophysiological Correlates and Rehabilitation of Attention Control Deficit in Depressive Disorder*," Department of Education Science, University of Roma Tre.

Committee member for the research grant entitled "*Sustainable Occupational Health and Safety (SOHS) in waste treatment plants: a gamified training tool for workers*," Department of Education Science, University of Roma Tre.

Committee member for the research grant entitled "*Sustainable Occupational Health and Safety (SOHS) in waste treatment plants: a gamified training tool for workers*," Institute of Science and Technology for Sustainable Energy and Mobility of the National Research Council (CNR-STEMS), Turin branch.

2023 Committee member for the research grant entitled "*Targeting attentional biases in depression: A longitudinal multimodal neuroimaging investigation*," Department of Education Science, University of Roma Tre.



2022      Committee member for the research grant entitled "*Agricultural mechanization and the valorization of agro-industrial by-products: two fundamental issues for sustainable agriculture*," Institute of Science and Technology for Sustainable Energy and Mobility of the National Research Council (CNR-STEMS), Turin branch.

Committee member for the research grant entitled "*Resilience, Adaptation and Leadership in Emergency Management COVID-19: Psychological, Developmental and Social Aspects*," Department of Education Science, University of Roma Tre.

Committee member for the research grant entitled "*Sustainable lifestyles, energy choices and behavioral change strategies in daily life contexts*," Department of Education Science, University of Roma Tre.

2021      Committee member for the research grant entitled "*Developing and constructing the concept of energy citizenship to support the Energy Union*," Department of Education Science, University of Roma Tre.

Committee member for two research grants entitled "*Energy Efficiency through behavior change transition strategies - Behavior change for sustainable energy transition*," Department of Education Science, University of Roma Tre.

#### **(b) Ph.D.**

07/12/2022      Member of the Selection Committee for access to the XXXVIII cycle of doctoral training. Doctoral Program: Educational and Social Theory and Research, Curriculum: Educational Theory and Research. Grant award Rome Technopole. Department of Education Science, University of Rome Tre.

23/09/2022      Member of the Selection Committee for access to the XXXVIII cycle of doctoral training. Doctoral course: Educational and Social Theory and Research, curriculum: Sociology and Social Service. Grant award ex DM352/22. Department of Education Science, University of Rome Tre.

#### **(b) Adjunct lecturers**

02/12/2024      Member of the Selection Committee for the award of contract teaching positions in Business Organization and Continuing Education (SECS-P/10) and

Clinical Psychology and Stress Management (M-PSI/08). Department of Education Science, University of Rome Tre.

05/12/2023 Member of the Selection Committee for the award of contract teaching positions in Business Organization and Continuing Education (SECS-P/10) and Clinical Psychology and Stress Management (M-PSI/08). Department of Education Science, University of Rome Tre.

04/12/2020 Member of the Selection Committee for the award of contract teaching position in Business Organization and Continuing Education (SECS-P/10). Department of Education Science, University of Rome Tre.

## EDITORIAL ACTIVITIES

### Participation in scientific journals' editorial boards

From 19/12/2024 -ongoing Co-editor of the research topic *"Narrating the Environment. Innovation, looks, and stories on real and virtual boundaries"*. Frontiers in Psychology, Section Environmental Psychology

From 03/15/2024 - ongoing Associate editor, Frontiers in Psychology, Section Organizational Psychology

From 02/03/2023 - ongoing Associate Editor, Frontiers in Psychology, Section Environmental Psychology

2022 Guest Editor for Sustainability, Psychology of Sustainability and Sustainable Development section. Special issue *"Corporate Green Communication and Stakeholders' Perceptions"*.

Review Editor for Frontiers in Public Health -Occupational Health and Safety section.

Guest Editor for International Journal of Environmental Research and Public Health, Occupational Safety and Health section. Special issue *"Occupational Safety and Health for Sustainable Agricultural and Forestry Systems"* (2<sup>nd</sup> edition).

- 2021 Topic Editor: Research Topic series "*Rising Stars In: Environmental Psychology*" - Frontiers in Psychology - section Environmental Psychology  
Research Topic Title: Current Trends in Environmental Psychology - Part I
- 2020 Review Editor of Environmental Psychology, specialty section of Frontiers in Psychology
- Guest Editor for International Journal of Environmental Research and Public Health. Occupational Safety and Health section, special issue "*Occupational Safety and Health for Sustainable Agricultural and Forestry Systems*" (1<sup>st</sup> edition)

### **Refereeing activities for journals and institutions**

2025: External reviewer for two doctoral theses (PhD programme in 'Sustainable Development and Cooperation', University of Turin and PhD programme in 'Global Studies for an Inclusive and Integrated Society', University of Reggio Calabria)

Ad hoc reviewer for the following journals:

2025: Environment, Development and Sustainability; Plos One; Social Psychology Theory and Research; Journal of Cleaner Production; Energy & Buildings.

2024: Machines; Frontiers in Psychology, section Environmental Psychology; Frontiers in Psychology, section Quantitative Psychology and Measurement; BMC Psychology; Frontiers in Public Health.

2023: Safety Science; PsyEcology; Frontiers in Public Health; Sustainability; Journal of Cleaner Production; Frontiers in Psychology, Environmental Psychology section.

2022: Frontiers in Psychology, section Human-Media Interaction; Journal of Agricultural Science and Technology; International Journal of Environmental Research and Public Health; Frontiers in Psychology, section Environmental Psychology; Frontiers in Psychology, section Organizational Psychology; Operations Research and Decisions; Frontiers in Public Health; Journal of Cleaner Production.

2021: International Journal of Environmental Research and Public Health; Safety; Journal of Aging and Environment; Safety Science; Frontiers in Psychology, Environmental Psychology section; Applied Ergonomics; Journal of Cleaner Production; Digital Geography and Society;

Sustainability; European Journal of Investigation in Health, Psychology and Education; Journal of Asian Architecture and Building Engineering; Energy & Buildings.

Reviewer for ICEP 2021, International Conference on Environmental Psychology.

2020: International Journal of Environmental Research and Public Health; Journal of Cleaner Production; Applied Ergonomics; Sustainability; Safety Science; Frontiers in Psychology, Environmental Psychology section.

Reviewer for IEA (International Ergonomics Association) Conference 2021- Agriculture Scientific Track.

2019: Safety; Safety Science; Safety and Health at Work; Sustainability; International Journal of Industrial Ergonomics.

2018: Safety; Agronomy research; Social Science Journal.

2017: CIGR; Agriculture.

Reviewer for CIOSTA conference.

2016: Safety; Accident Analysis and Prevention.

### **THIRD MISSION ACTIVITIES**

06/12/2022	Holds a webinar (2 h) for the nonprofit association Dress for Success Rome. Webinar title: ""Organizational change and its consequences".
08/11/2022	Holds a webinar (2 h) for the nonprofit association Dress for Success Rome. Webinar title: "Organizational socialization."
16/05/2022	Holds a webinar (1.30h) for the nonprofit association Dress for Success Rome. Webinar title: "Organizational change and stress."
28/04/2022	Holds a webinar (1.30h) for the nonprofit association Dress for Success Rome. Webinar title: " The Importance of Job Crafting."
	Holds a webinar (1.30h) for the nonprofit association Dress for Success Rome. Webinar title: "Organizational socialization and communication."

- 22/10/2021 EIMA - Exhibition of Machinery for Agriculture and Gardening, Bologna Fair. As part of the conference "Green investments, the orientation of agricultural companies and contractors," she presented a contribution (20 minutes) entitled, "*What factors influence the green choices of those in the sector?*" Topics of the contribution are the perception of climate change and the role played by the agricultural sector, the intention to adopt sustainable technologies to mitigate the phenomenon, and the training needs to promote the widespread adoption of 4.0 Agriculture.
- 25/09/2021 European Researchers' Night - University of Turin – *Ti conosco, mascherina!* Support activities at the Dept. of Life Sciences and Systems Biology booth (4 h), as part of the self-funded project "*Comfort of use of FFP2 masks in the healthcare population.*" The activity involved usability evaluations of FFP2 (Filtering Face Piece) masks to highlight the criticalities and advantages of different models as perceived by the population. According to the principles of Ergonomics, the trials with real users involve the citizen in a participatory design process through the identification of factors to be improved in these devices in terms of appropriateness to variability, both of morphometric characteristics of the face and head and of the perception of comfort, as well as incentivizing their correct use.
- 14/11/2020 EIMA Digital - Exhibition of Machinery for Agriculture and Gardening, online event. As part of the EIMA Digital Preview Webinar "Sustainable Agriculture and Technological Innovation: Opportunities and Challenges Imposed by Climate Change," she presented a contribution (15 minutes) entitled: "*Barriers and Activators of Technology Adoption for Sustainability.*" The topic of the contribution is the dissemination of the culture of innovation among primary sector operators and strategies to promote it, in terms of training, communication and participatory planning.
- 15/07/2017 She conducts a training meeting (3h) at the Municipality of Chiusano d'Asti (AT) during the event: 'AGAPE-SPRAR Project: New Cohabitations: Sharing Good Reception Practices'. During the meeting -at the presence of the mayors of the municipalities adhering to the AGAPE-SPRAR project and citizenship- the main results of the research activities related to the project 'Safety without borders', aimed at the participatory ergonomic design of a training tool on occupational safety for foreign workers in agriculture, are presented and discussed.

- 26/05/2016 She conducts a training meeting (2h) at the Coldiretti headquarters in Savigliano (CN) on physical and cognitive aspects that can generate occupational risks in farmers over 65 (in particular: effect of incorrect behaviors, incongruous postures and low risk perception).
- 26/02/2016 She conducts orientation activities (1h) during the "Chi ricerca trova" day at the Department of Life Sciences and Systems Biology, University of Turin. During the meeting, the ongoing activities resulting from the collaboration between IMAMOTER - CNR and the Laboratory of Anthropometry and Ergonomics (Department of Life Sciences and Systems Biology, University of Turin, Resp. Prof. Margherita Micheletti Cremasco) in the field of ergonomic assessment of occupational risks in the agricultural sector are illustrated.

## PUBLICATIONS

### Contributions in journals

#### Peer-reviewed journal articles

1. Giuliani, F., Lo Verso, V. R. M., Caffaro, F., Gentile, N., Mattsson, P., Sokol, N., & Sarey Khanie, M. (2025). Linking daylighting practice and education: a focus group-based study on motivations driving practitioners. *Architectural Science Review*, 1–11. <https://doi.org/10.1080/00038628.2025.2534571>
2. Sguaizer, F., Vigoroso, L., Micheletti Cremasco, M., & Caffaro, F. (2025). Perceived Working Conditions and Intention to Adopt Digital Safety Training in High-Risk Productive Sectors: An Exploratory Study in Manufacturing and Agriculture in Northwest Italy. *Safety*, 11(2), 51. <https://doi.org/10.3390/safety11020051>
3. Tiberio, L., Kirchler, B., Massullo, C., Carrus, G., Haider, J., Kollmann, A., & **Caffaro, F.** (2025). Unveiling the power of social norms interventions: Investigating energy savings behavior in an Italian energy cooperative. *Energy Research & Social Science*, 122, 103989. <https://doi.org/10.1016/j.erss.2025.103989>
4. Vigoroso, L., **Caffaro, F.**, Tronci, M., & Fagnoli, M. (2025). Ergonomics and design for safety: A scoping review and bibliometric analysis in the industrial engineering literature. *Safety Science*, 185, 106799. <https://doi.org/10.1016/j.ssci.2025.106799>

5. Vigoroso, L., Roccato, M., Cavallo, E., & **Caffaro, F.** (2024). Intention to adopt digital games for safety training in young farm operators: The role of ease of use, perceived usefulness, and game design characteristics, *International Journal of Human-Computer Interaction*, 41(2), 1054–1063. <https://doi.org/10.1080/10447318.2024.2310353>
6. Habibi Asgarabad, M., Vesely, S., Biresselioglu, E. M., **Caffaro, F.**, Carrus, G., Hakan Demir, M., et al. (2024). Promoting electricity conservation through behavior change: A study protocol for a web-based multiple-arm parallel randomized controlled trial. *PLoS ONE* 19(3), e0293683. <https://doi.org/10.1371/journal.pone.029368>.
7. Bagagiolo, G., Vigoroso, L., Caffaro, F., & Cavallo, E. (2024). Determinants of eco-innovation in the agricultural machinery sector: the case of small and medium enterprises in the Piedmont region (Italy). *Environment, Development and Sustainability*, 26, 25849-25869. <https://doi.org/10.1007/s10668-023-03710-2>.
8. **Caffaro, F.**, Massullo, C., Carrus, G., Gastaldo, A., & Tiberio, L. (2023). Organisational identification and environmentally-relevant behaviours: Insights from an Italian Energy Cooperative. *Social Psychology*, 3, 383-396. ISSN 1827-2517, <https://doi.org/10.1482/108587>
9. Micheletti Cremasco, M., Vigoroso, L.; Solinas, C., & **Caffaro, F.** (2023). Discomfort in use and physical disturbance of FFP2 masks in a group of Italian doctors, nurses and nursing aides during the COVID-19 pandemic. *Safety*, 9(2), 40. <https://doi.org/10.3390/safety9020040>.
10. De Gregorio, E., **Caffaro, F.**, Pirchio, S., Tiberio, L. & Carrus, G. (2023). Editorial article: Current trends in environmental psychology - Part I. *Frontiers in Environmental Psychology. Section Environmental Psychology*, 14. <https://doi.org/10.3389/fpsyg.2023.1228180>
11. Vigoroso, L., Sorrenti, R., Cavallo, E., & **Caffaro, F.** (2023). Non-Profit organizations as facilitators of the sustainable social innovation of firms: An Italian case study. *Sustainability*, 15(10), 8058. <https://doi.org/10.3390/su15108058>.
12. Vigoroso, L., **Caffaro, F.**, Micheletti Cremasco, M., & Cavallo, E. (2023). Developing a more engaging safety training in agriculture: Gender differences in digital game preferences. *Safety Science*, 158, Article 105974. <https://doi.org/10.1016/j.ssci.2022.105974>.
13. Vesely, S., Klöckner, C.A., Carrus, G., Tiberio, L., **Caffaro, F.**, Biresselioglu, M.E., Kollmann, A.C., Sinea, A. (2022). Norms, prices, and commitment: A comprehensive overview of field experiments in the energy domain and treatment effect moderators. *Frontiers in*

14. Vigoroso, L., **Caffaro, F.**, Micheletti Cremasco, M., & Cavallo, E. (2022). Improving Tractor Safety: A comparison between the usability of a conventional and enhanced Rear-Mounted Foldable ROPS (FROPS). *International Journal of Environmental Research and Public Health*, 19,10195. <https://doi.org/10.3390/ijerph191610195>
15. **Caffaro, F.**, Roccato, M., de Paolis, G., Micheletti Cremasco, M., & Cavallo, E. (2022). Promoting farming sustainability: The effects of age, training, history of accidents and social-psychological variables on the adoption of on-farm safety behaviors. *Journal of Safety Research*, 80, 371-379. <https://doi.org/10.1016/j.jsr.2021.12.018>.
16. Lo Verso, V.R.M., Giuliani, F., **Caffaro, F.**, Basile, F., Peron, F., Dalla Mora T., Bellia, L., Fragliasso, F., Beccali, M., Bonomolo, M., Nocera, F., & Costanzo, V. (2021). Questionnaires and simulations to assess daylighting in Italian university classrooms for IEQ and energy issues. *Energy & Buildings*, 252, 111433, <https://doi.org/10.1016/j.enbuild.2021.111433>
17. Vigoroso, L., **Caffaro, F.**, Cavallo, E., & Micheletti Cremasco, M. (2021). User-Centred Design to promote the effective use of rear-mounted Foldable Roll-Over Protective Structures (FROPSs): prototype evaluation among novice and expert farmers. *Spanish Journal of Agricultural Research*, 19 (3), e0207, 12 pages (2021) eISSN: 2171-9292 <https://doi.org/10.5424/sjar/2021193-17768>.
18. Micheletti Cremasco, M., Vigoroso, L., **Caffaro, F.**, Paletto, G., & Cavallo, E. (2021). Considering Human Variability in the Design of Safe Interaction with Agricultural Machinery: The Case of Foldable Roll-Over Protective Structure (FROPS) Manual Handling. *Agronomy*, 11(7), 1303. <https://doi.org/10.3390/agronomy11071303>
19. Vigoroso, L., **Caffaro, F.**, Micheletti Cremasco, M., & Cavallo, E. (2021). Innovating occupational safety training: a scoping review on digital games and possible applications in agriculture. *International Journal of Environmental Research and Public Health*, 18, 1868. <https://doi.org/10.3390/ijerph18041868>
20. Lo Verso, V.R.M., Giuliani, F., **Caffaro, F.**, Basile, F., Peron, F., Dalla Mora, T., Bellia, L., Fragliasso F., Beccali, M., Bonomolo, M., Nocera, F., & Costanzo, V. (2021). A survey on daylighting education in Italian universities. Knowledge of standards, metrics and simulation tools. *Journal of Daylighting*, 8, 36-49. doi:10.15627/jd.2021.3.
21. **Caffaro, F.**, Micheletti Cremasco, M., Roccato, M., & Cavallo, E. (2020). Drivers of farmers' intentions to adopt technological innovations in Italy: The role of information sources, perceived usefulness, and perceived ease of use. *Journal of Rural Studies*, 76,



- 264-271. <https://doi.org/10.1016/j.jrurstud.2020.04.028>.
22. **Caffaro, F.**, Bagagiolo, G., Micheletti Cremasco, M., Vigoroso, L., & Cavallo, E. (2020). Tailoring safety training material to migrant farmworkers: an ergonomic user-centered approach. *International Journal of Environmental Research and Public Health*, 17, 2104. <https://doi.org/10.3390/ijerph17062104>
  23. Vigoroso L., **Caffaro, F.**, Micheletti Cremasco, M., Bagagiolo, G., & Cavallo, E. (2020). Comprehension of safety pictograms affixed to agricultural machinery among Pakistani migrant farmworkers in Italy. *Journal of Agromedicine*, 25(3), 265-278. <https://doi.org/10.1080/1059924X.2019.1673269>
  24. Giuliani, F., Sokol, N., Lo Verso, V. R. M., Viula, R., **Caffaro, F.**, Paule, B., ... & Sutter, Y. (2019). A study about daylighting knowledge and education in Europe. Results from the first phase of the DAYKE project. *Architectural Science Review*, 64(1-2), 169-181. <https://doi.org/10.1080/00038628.2019.1675042>
  25. Pampuro, N., **Caffaro, F.**, & Cavallo, E. (2020). Farmers' Attitudes Toward On-Farm Adoption of Soil Organic Matter in Piedmont Region, Italy. *Agriculture*, 10(1), 14. <https://doi.org/10.3390/agriculture10010014>.
  26. Micheletti Cremasco, M., **Caffaro, F.**, Giustetto, A., Vigoroso, L., Paletto, G., & Cavallo, E. (2020). Tractor rollover protection: Is the incorrect use of Foldable Rollover Protective Structures (FROPS) due to human or to technical issues? *Human Factors: The Journal of the Human Factors and Ergonomics Society*, 62(1), 64-76. <https://doi.org/10.1177/0018720819848201>
  27. Vigoroso, L., **Caffaro, F.**, & Cavallo, E. (2020). Occupational safety and visual communication: User-centred design of safety training material for migrant farmworkers in Italy. *Safety Science*, 121, 562-572. <https://doi.org/10.1016/j.ssci.2018.10.029>.
  28. Bagagiolo, G., Vigoroso L., **Caffaro, F.**, Micheletti Cremasco, M., & Cavallo, E. (2019). Conveying Safety Messages on Agricultural Machinery: The Comprehension of Safety Pictorials in a Group of Migrant Farmworkers in Italy. *International Journal of Environmental Research and Public Health*, 16, 4180. <https://doi.org/10.3390/ijerph16214180>
  29. **Caffaro, F.**, & Cavallo, E. (2019). The effects of individual variables, farming system characteristics and perceived barriers on actual use of Smart Farming Technologies among Italian farmers. *Agriculture*, 9(5), 111. <https://doi.org/10.3390/agriculture9050111>.
  30. **Caffaro, F.**, Roccato, M., Micheletti Cremasco, M., & Cavallo, E. (2019). An ergonomic

- approach to sustainable Development: The role of information environment and social-psychological variables in the adoption of agri-environmental innovations. *Sustainable Development*, 27(6), 1049-1062. <https://doi.org/10.1002/sd.1956>.
31. Vigoroso, L., **Caffaro, F.**, & Cavallo, E. (2019). Warning against Critical Slopes in Agriculture: Comprehension of Targeted Safety Signs in a Group of Machinery Operators in Italy. *International Journal of Environmental Research and Public Health*, 16(4), 611, 11pp. <https://doi.org/10.3390/ijerph16040611>
  32. Micheletti Cremasco, M., Giustetto, A., **Caffaro, F.**, Colantoni, A., Cavallo, E., Grigolato, S. (2019). Risk assessment for musculoskeletal disorders in forestry: a comparison between RULA and REBA in manual feeding of a wood-chipper. *International Journal of Environmental Research and Public Health*, 16(5), 793, 13 pp. <https://doi.org/10.3390/ijerph16050793>
  33. Pampuro, N., **Caffaro, F.**, Cavallo, E. (2018). Reuse of animal manure: a case study on stakeholders' perceptions about pelletized compost in Northwestern Italy. *Sustainability*, 10(6), 2028, pp.1-10. <https://doi.org/10.3390/su10062028>
  34. **Caffaro, F.**, Micheletti Cremasco, M., Bagagiolo, G., Vigoroso, L., & Cavallo, E. (2018). Effectiveness of Occupational Safety and Health Training for Migrant Farmworkers: A Scoping Review. *Public Health*, 160, 10-17. <https://doi.org/10.1016/j.puhe.2018.03.018>.
  35. **Caffaro, F.**, Galati, D., Zardoya Loureda, M. V., & Roccato, M. (2019). Housing-Related Subjective Well-Being in Turin (Italy) and Havana (Cuba): Dimensions and Prediction. *Applied Research in Quality of Life*, 14(1), 273-285. <https://doi.org/10.1007/s11482-018-9592-5>.
  36. **Caffaro, F.**, Schmidt, S., Murphy, D. J., & Cavallo, E. (2018). Comprehension rates of safety pictorials affixed to agricultural machinery among Pennsylvania rural population. *Safety Science*, 103, 162-171. <https://doi.org/10.1016/j.ssci.2017.11.021>
  37. **Caffaro, F.**, Roccato, M., Micheletti Cremasco, M., Cavallo, E. (2018). Part-Time Farmers and Accidents with Agricultural Machinery: A Moderated Mediated Model on the Role Played by Frequency of Use and Unsafe Beliefs. *Journal of Occupational Health*, 60(1), 80-84. <https://doi.org/10.1539/joh.17-0061-BR>
  38. **Caffaro, F.**, Lundqvist, P., Micheletti Cremasco, M., Nilsson, K., Pinzke, S., & Cavallo, E. (2018). Machinery-related perceived risks and safety attitudes in senior Swedish farmers. *Journal of Agromedicine*, 23(1), 78-91. <https://doi.org/10.1080/1059924X.2017.1384420>
  39. **Caffaro, F.**, Roccato, M., Micheletti Cremasco, M., & Cavallo, E. (2018). Falls from agricultural machinery: Risk factors related to work experience, worked hours, and

- operators' behavior. *Human Factors: The Journal of the Human Factors and Ergonomics Society*, 60(1), 20-30. <https://doi.org/10.1177/0018720817738591>.
40. **Caffaro, F.**, Micheletti Cremasco, M., Roccato, M., & Cavallo, E. (2017). It does not occur by chance: A mediation model of the influence of workers' characteristics, work environment factors, and near misses on agricultural machinery-related accidents. *International Journal of Occupational and Environmental Health*, 23(1), 52-59. <https://doi.org/10.1080/10773525.2017.1404220>
  41. **Caffaro, F.**, Bisaglia, C., Cutini, M., Micheletti Cremasco, M., Cavallo, E. (2017). A method to evaluate the perceived ease of use of Human Machine Interface in agricultural tractors equipped with technological innovations. *Spanish Journal of Agricultural Research*, 15(4), e0210, eISSN: 2171-9292. <https://doi.org/10.5424/sjar/2017154-10726>
  42. **Caffaro, F.**, Preti, C., Micheletti Cremasco, M., & Cavallo, E. (2017). Three-axial Evaluation of Whole-Body Vibration in Agricultural Telehandlers: The Effects of an Active Cab-suspension System. *Journal of Occupational and Environmental Hygiene*, 14(10), 758-770. <https://doi.org/10.1080/15459624.2017.1334899>
  43. **Caffaro, F.**, Bagagiolo, G., Micheletti Cremasco, M., & Cavallo, E. (2017). Participatory ergonomic design of a safety training tool for migrant workers in agriculture. *Chemical Engineering Transactions*, 58, 25-30. <https://doi.org/10.3303/CET1758005>.
  44. De Nardi, M., Pizzigalli, L., Benis, R., **Caffaro, F.**, Micheletti Cremasco M. (2017). Acute effects of partial-body cryotherapy on isometric strength: maximum handgrip strength evaluation. *Journal of Strength and Conditioning Research*, 31(12), 3497-3502. <https://doi.org/10.1519/JSC.0000000000001797>.
  45. **Caffaro, F.**, Mirisola, A., & Cavallo, E. (2017). Safety signs on agricultural machinery: Pictorials do not always successfully convey their messages to target users. *Applied Ergonomics*, 58, 156-166. <https://doi.org/10.1016/j.apergo.2016.06.003>
  46. **Caffaro, F.**, Micheletti Cremasco, M., Preti, C., & Cavallo, E. (2016). Ergonomic analysis of the effects of a telehandler's active suspended cab on Whole Body Vibration level and operator comfort. *International Journal of Industrial Ergonomics*, 53, 19-26. <https://doi.org/10.1016/j.ergon.2015.10.009>.
  47. Lo Verso, V.R.M., **Caffaro, F.**, Aghemo, C. (2016). Luminous environment in healthcare buildings for user satisfaction and comfort: an objective and subjective field study. *Indoor and Built Environment*, 25(5), 809-825. <https://doi.org/10.1177/1420326X15588337>
  48. **Caffaro, F.**, Galati, D., & Roccato, M. (2016). Development and validation of the Perception of Housing Quality Scale (PHQS). *TPM - Testing, Psychometrics, Methodology*

- in Applied Psychology*, 23, 37-51. <https://doi.org/10.4473/TPM23.1.3>
49. **Caffaro, F.**, Mulas, C., & Schmidt, S. (2016). The Perception of Honour-Related Violence in female and male university students from Morocco, Cameroon and Italy. *Sex Roles*, 75, 555-572. <https://doi.org/10.1007/s11199-015-0576-8>.
  50. **Caffaro, F.**, & Cavallo, E. (2015). Comprehension of safety pictograms affixed to agricultural machinery: A survey of users. *Journal of Safety Research*, 55, 151-158. <https://doi.org/10.1016/j.jsr.2015.08.008>
  51. Lo Verso, V.R.M., Fregonara, E., **Caffaro, F.**, Morisano, C., & Peiretti, G.M. (2014). Daylighting as the driving force of the design process: from the results of a survey to the implementation into an advanced daylighting project. *Journal of Daylighting*, 1(1), 36-55. <https://doi.org/10.15627/jd.2014.5>
  52. **Caffaro, F.**, Ferraris, F., & Schmidt, S. (2014). Gender Differences in the Perception of Honour Killing in Individualist versus Collectivist Cultures: Comparison between Italy and Turkey. *Sex Roles*, 71, 9-10, 296-318. <https://doi.org/10.1007/s11199-014-0413-5>.

#### **Abstracts in journals**

1. Micheletti Cremasco, M., Giustetto, A., **Caffaro, F.**, Pierlorenzi, G., Fenoglio, A., & Masali, M. (2018). Anthropometric dataset comparisons: stature and weight trends in Italy. 91th SIBS Congress on the role of the Italian Society for Experimental Biology in the Italian research. Ancona, Italy, November 9-10, 2018. *Journal of Biological Research*, 91(s1), 10-11. eISSN 2284-0230.
2. Micheletti Cremasco, M., Loré, A., Re, A., **Caffaro, F.**, Liubicich, M. E., Magistro, D, & Roggero A. (2012). Anthropometric and ergonomic approach to ageing: the importance of the multidisciplinary study in the Act on Ageing project (Piedmont Region). *Journal of Biological Research*, 85(1), 276-277. ISBN 978-88-498-3615-8
3. **Caffaro, F.**, Loré, A., Micheletti Cremasco, M., & Re, A. (2011). Ergonomic analysis of home hazards: risk perception and attitude toward home modifications in a group of older women. *Aging Clinical and Experimental Research*, 23, suppl. to no.1, International Association of Gerontology and Geriatrics, VII European Congress, Healthy and Active Ageing for all Europeans - II, Bologna, Italy, April 14-17, 2011, p.270. Print ISSN 1594-0667 Online 1720-8319.

#### **Contributions in edited books**

#### **Book chapters**

1. Micheletti Cremasco, M. & **Caffaro, F.** (2022). Anthropology and Ergonomics. In: Luca Sineo, Jacopo Moggi Cecchi (eds.), *Handbook of Anthropology. Evolution and human biodiversity*, Turin, Utet Università, pp. 599-615. ISBN:9788860086730
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### **Contributions in conference proceedings**

#### ***In extenso contributions in conference proceedings***

1. Gremo, M., Barricelli, B. R., Biabani Reshtehroudi, R., Cioffi, R., De Palma, G., Fogli, D., Leonardi, N., Micheletti Cremasco, M., Pampuro, N., Sala, E., Vaccari, M., & **Caffaro, F.** (2024). Enhancing Safety in Green Jobs: The SOHS Project for Effective Safety Training in Waste Management Plants. *Procedia Environmental Science, Engineering and Management*, 11 (4), 539-549. ISSN: 2392 - 9537
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#### **Abstracts in conference proceedings**

1. De Paolis, G., Tiberio, L., Mascioli, G., Carrus, A., & **Caffaro, F.** (2024). Encouraging sustainable practices at work: Nudging to improve energy-saving behaviors in a sports company. Symposium "Nature and Regenerativity of Workplaces: Effects on Performance, Wellbeing and Pro-Environmental Behaviors," *AIP 2024 Conference: Italian Association of Psychology*. Bergamo, September 4-6, p.33.
2. Vigoroso, L., **Caffaro, F.**, & Boccadutri, L. (2024). How Do Workers Perceive Job Risks and Technology? Insights for Designing Human-Centered Digital Safety Training Tools. *AIP 2024 Conference: Italian Association of Psychology*. Bergamo, September 4-6, pp. 150.
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  8. Micheletti Cremasco, M., Moroni A., Bisone, G., **Caffaro, F.** Use of FFP2 masks in healthcare setting in the COVID19 pandemic: quality of use and morphometric adaptability to human variability. XXIV Congress Italian Anthropological Association, Museum of the University "G. d'Annunzio" of Chieti, September 7-10, 2022.
  9. de Paolis, G., Micheletti Cremasco, M., Cavallo, E., & **Caffaro, F.** Sustainable farming: critical variables and areas of interventions to promote on-farm safety behaviors. XXX AIP (Italian Psychology Association) Congress, Padua, Italy, September 26-30, 2022.
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#### **Encyclopedia entry**

1. **Caffaro, F.** (2021). Innovating Occupational Safety Training. *Scholarly Community Encyclopedia*. Entry ID: 8636. Available online: <https://encyclopedia.pub/8636>

#### **Editing**

##### ***Conference proceedings***

1. **Caffaro, F.**, Urgese, L., Tosatto, A., Micheletti Cremasco, M., Rabaglietti, E., Brustio, P. (2016). *FROM THE SILVER TO THE GOLDEN AGE - Initiatives and research in the Piedmont region to promote active aging. Contributions presented at the conference*. Library of the Department of Life Sciences and Systems Biology. ISBN: 978-88-905691-59.

#### **Conference presentations**

##### **Invited speaker**

1. **Caffaro, F.** *Ergonomic perspectives for a sustainable human-machine interaction.*

Keynote speech at 5<sup>th</sup> European Conference on Industrial Engineering and Operations Management (IEOM Society), Rome, Italy, July 26-28, 2022.

### **Other presentations**

1. De Paolis, G., Tiberio, L., **Caffaro, F.** (2024). *Nudging for Sustainability: Promoting Energy-Saving Behaviors for a Greener Workforce*. Rome Technopole Conference: Applied Research, Technological Development, Innovation and Research Infrastructure. Rome, March 18.
2. **Caffaro, F.** *Quality of use of distance learning platforms: an exploratory survey among students and teachers*. Seminar on Didactics, Department of Education Sciences, University of Roma Tre, 25/09/2020.
3. **Caffaro, F.**, Vigoroso, L., Cavallo, E., Bagagiolo, G., Micheletti Cremasco, M. (2017). *Inclusion and Agriculture: participatory design of safety training solutions for foreign workers*. World Usability Day 2017: Inclusion through User Experience, Turin, November 09, 2017.
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### **Project technical reports**

1. **Caffaro, F.**, Paletto, G., Vigoroso, L., Cavallo, E. (2019). A study on the development of best practices to improve the manual handling of rear-mounted foldable ROPS. Final Report.
2. **Caffaro, F.**, Bagagiolo G., Cavallo E. (2019). Health and safety risks in woody biomass production: an action-research on forestry operators in the Piedmont region. Final Report.

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5. **Caffaro, F.**, Cavallo E., Bagagiolo G., Micheletti Cremasco M. (2016). Aging at work: contribution ergonomics to the analysis of critical use of agricultural machinery. Final report.
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#### **Divulagation articles**

1. Cavallo, E., Bagagiolo, G., Biddoccu, M., Pampuro, N., Vigoroso, L., **Caffaro, F.**, Carrus, G., & De Paolis, G. (2021). "Green" investments, the orientation of companies. MAD - Macchine Agricole Domani num. 10, p. 19 of 01/10/2021 and L'Informatore Agrario num. 31, p. 45 of 30/09/2021.
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#### **BIBLIOMETRIC INDICATOR INFORMATION**

Database: SCOPUS

No. items: 73

No. citations: 1,262

h-index: 20

Rome, September 08, 2025



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