Francesco Testa, Ph.D

Affiliation:

Institute of Management,
Scuola Superiore Sant'Anna

Piazza Martiri della Libertà, 33, Pisa, Italia

Contacts:

Place and date of birth: Napoli, 08/01/1980

Nationality: Italian

Email: f.testa@santannapisa.it Mobile: +39 331 6992262

Brief Profile

Full Professor at the Institute of Management, Sustainability Management area. Specialized in exploring the relationship between business and natural environment and social issues and understanding how businesses and policy makers can overcome potential trade-offs for addressing a transition towards a more sustainable economy.

Lecturer in Sustainability Management, Circular Economy and Research Methodologies at the international PhD in Management (Innovation, Sustainability and Healthcare), at the Master of Science in Innovation Management and Executive Master in Circular Economy held at Sant'Anna School.

Scientific head of the research team on Life Cycle Thinking and Green Marketing, in Sustainability Management Laboratory (SuM). Worked on many pilot projects promoted by European Commission in the field of eco-innovation, circular economy, sustainable product policy, and analysis of the relationship between sustainability management, resource efficiency and competitiveness.

Author of more than 70 articles, books, and book chapters on those topics, most of them articles in international peer reviewed journals such as Business Strategy and Environment, Organization & Environment, Journal of Environmental Management, Journal of Cleaner Production.

Vice Delegate for Advanced Education, Vice-Director of Institute of Management and Vice Director of CESISP (Circular Economy, Industrial Symbiosis and Product Sustainability) Inter-university Research Centre in partnership with SSSA and University of Genova

Main research interests

Circular economy management, business model innovation, sustainable management, supply chain management, stakeholder management, greenwashing and decoupling, organizational change management, strategic management, green human resource management, cognitive frames towards sustainability, paradox theory

Research Methodology

case study methodology, survey design, experimental research design, content analysis & text mining, network analysis, cost benefit analysis, action research and engaged scholarship.

Academic Positions

Current Main Positions

2021 - present Full Professor in Management, Institute of Management Scuola Sant'Anna, Pisa (SSSA)

2021 – present, SSSA Vice Delegate for Advanced Education

2021 – present, *Vice Director CESISP* (Circular Economy, Industrial Symbiosis and Product Sustainability) Inter-university Research Centre in partnership with SSSA and University of Genova

2017 present, SSSA Vice-Director of Institute of Management

2015 – 2021, Associate Professor in Management, Institute of Management Scuola Sant'Anna, Pisa (SSSA) (SC 13/B2; SSD SECS-P/08: Economia e Gestione delle Imprese), Specialization in Sustainable Management

2014 – present, Scientific Responsible of research team on Life Cycle Thinking and Green Marketing, in Sustainability Management Laboratory (SuM), Institute of Management Scuola Sant'Anna, Pisa

2009 – present, Partner of ERGO – Energie e Risorse per la Governance dell'Organizzazione. ERGO is a Spinoff company of Scuola Superiore Sant'Anna di Pisa operating in the field of sustainable management consulting.

Past Academic Positions

2012 - 2014. Assistant Professor of Management, SSSA

2010 - 2012. Post-Doc research fellowship, Institute of Management, SSSA

2006 - 2010. Research Affiliate (research contract), Laboratorio In-Sat, SSSA

2005 – 2006. Research Affiliate (research contract), Bocconi University - IEFE Research Centre

Research projects

Main research areas:

Corporate Environmental & Circular Economy Management: several researches on the design and implementation of greening of corporate strategies, climate change mitigation and adaptation measures, involving both SMEs and multinational corporations, also according the emerging circular economy framework.

Life-Cycle Management: research projects on operational application of LCA (use of software tools and databases), product design based on LCA, Life Cycle Costing and communication tools based on Life Cycle Thinking.

Economics and Management of Voluntary Certification Schemes: experience in the area of environmental certifications at EU and international level (involved as expert in ISO 14001 and EMAS – related initiatives by governments and private organizations managing certification schemes).

Green procurement and Sustainable supply-chain management: empirical studies and support activities to private and public organizations in the development of tools and management solutions for purchasing goods and services on the basis of environmentally sound criteria.

Environment and Competitiveness: several projects investigating the relationship between environmental policies and management and competitive performances also exploring the potential trade-offs among economic, environmental and social.

Stakeholder engagement: development of innovative methodologies for stakeholder engagement on environmental issues to be effectively used by companies and public administrations for consensus-building. Sustainable marketing and reporting: pioneer research projects on the definition and implementation of sustainable marketing strategy and accountability and reporting initiatives.

Sustainable consumption: research exploring and testing the drivers of sustainable and circular consumption behavior.

Environmental Innovation and Green technologies: research projects related to the application of the Integrated Pollution Prevention and Control – IPPC European Directive. Several researches on the innovation dynamics (e.g.: motivation process and barriers) tackled by companies for the development and adoption of green technologies.

Corporate Social Responsibility: participation in research projects funded by the European Commission on the adoption of CSR practices and tools by SMEs and in the supply-chain management.

Health and Safety Management: front-running research on the development of health and safety management tools and organizational solutions, especially related to the measurement or organizational culture, leadership styles and organization citizenship behavior.

Public Policies for Sustainable Local Development: relevant research experience in citizens engagement projects carried out by local governments, and in the implementation of environmental management projects within industrial clusters and homogeneous productive territorial areas.

For both international and national research projects, it is possible to distinguish, within the research teams involved, at least the following roles:

- Principal Investigator: scientific reference for research and responsible for planning and coordinating resources.
- **Project Manager:** designated by the scientific coordinator of the project, with responsibility for planning and coordinating activities and resources.
- Senior Researcher: responsible for managing some activities and coordinating junior researchers.

For each of the listed projects, the role played by me is indicated, according to this classification.

<u>international projects funded through a competitive evaluation programme (EC call for proposals or call for tenders) in the last 10 years (n 24 projects)</u>

TRICK (Product data traceability from Cradle to Cradle by blockchains interoperability and sustainability service marketplace) - Horizon 2020 (Call: H2020-LOW-CARBON-CIRCULAR-INDUSTRIES-2020, Topic: CE-SC5-31-2020, Type of action: IA) (2021 – 2024). The aim of the project is to create a reliable, secure and accessible digital blockchain platform for European SMEs operating in the textile and food sector. The proposed traceability model is inspired by the principles of sustainability and the circular economy paradigm, giving companies the possibility of collecting protected data for products, semi-finished products and services along the entire supply chain, thus creating transparent supply chain models in order to guarantee the quality of production and uniquely define its origin. **[Position: Senior Researcher]**

MAGIS (Made Green in Italy Scheme) co-financed by the LIFE + Programme (2020-2023). The project aims to support Made in Italy products with a high environmental quality to be recognizable on the market, thanks to the diffusion of the Made Green in Italy scheme and the use of the Product Environmental Footprint, both in Italy and abroad. Additionally, the project aims to contribute to provide citizens and consumers who care for environment and sustainability reliable and comparable information on the environmental impacts of products, to help them make conscious and informed choices. **[Position: Principal Investigator]**

LIFECO2PES&PEF. co-financed by the LIFE + Programme (2020-2023). The objectives of the project are: i) to identify and measure the ecosystem services of the pilot forest areas; ii) to develop an ecosystem credit system; iii) to measure the benefits of ecosystem services and the added value they generate along the wood production chains using the PEF method; iv) to provide a set of tools to support regional and national forestry policies.. [*Position: Project Manger*]

INCIRCLE (Support INsular and low density areas in the transition towards a more CIRCuLar tourism Economy) - co-financed by Interreg MED Program (2019-2022). The aim of the project is to develop a tool

for measuring the levels of circularity of tourism destinations, local supply chains and individual companies. Our team has the task of animating the stakeholders working groups at the local level, collecting and analysing elements connected to the drivers and barriers of circularity in tourism. [Position: Senior Researcher]

LIFE EFFIGE (*Environmental Footprint For Improving and Growing Eco-efficiency*) - co-financed by the LIFE + Programme (2017-2021). The project is aimed at disseminating and supporting the adoption of life cycle principles at the Italian and European level, through the experimentation of an innovative method for calculating the environmental performance of products and improving their environmental performance. The project is aimed primarily at small and medium-sized enterprises but also involves large organizations, which can stimulate the adoption of PEF on a large scale. [**Position**: *Principal Investigator*]

LIFE RECYPACK (*Circular economy of commercial plastic packaging in urban environments*) - co-financed by the LIFE + Programme (2017-2020). The project has demonstration purposes to strengthen the green public procurement of recycled plastic products in urban areas. The project intends to demonstrate that waste is a precious resource from which recycled products with high added value can be generated. The objectives lie in i) supporting local authorities in decision-making processes by implementing a new management approach and ii) defining a set of incentives to entice companies to adopt circular economy models. [Position: *Senior Researcher*]

ENHANCE (*EMAS as a Nest to Help And Nurture the Circular Economy*) - Interreg EUROPE Programme (2017-2021). The aim of the project is to improve the implementation of environmental policy tools at the regional level in order to increase efficiency in the use of resources. [*Role: Senior Researcher*].

ACT4LITTER - co-financed by Interreg MED Program (2017-2018). The project aims to counteract the phenomenon in its own contexts through an ecosystem approach, through the development of a decision support tool able to help Marine Protected Area managers in identifying and planning the most suitable measures [**Position**: **Senior** researcher]

BRAVER (Boosting Regulatory Advantages Vis à vis Emas Registration) co-financed by the LIFE + Programme (2016-2019) — The main expected result of the BRAVER Project is to favor an effective environmental management by companies, by way of identifying and developing actions for Better Regulation and Regulatory Relief. The study also aims to practically adopt and experiment these actions in order to test their usefulness and efficiency (and related benefits) from the corporate management point of view. [Position: Project Manager].

IRIS (Improving the Resilience of the Industrial Sector) co-financed by the LIFE + Programme (2015-2017) – The aim of the study is to support industrial companies to cope with the consequences of climate change. During the project, a methodology for the climate-related risks for companies has been developed and tested as a decision-making support tool. [Position: Senior Researcher]

VERINET (Verification in Italy for Innovative Environmental Technologies) – 2015 The project aims at promoting the diffusion of the ETV scheme in Italy on behalf of the European Commission DG Environment. Within the project, Sant'Anna school is responsible for a study on the state of the art and development of green technologies at the national level and on the drivers that can prompt the success of a voluntary verification of the greener technologies. **[Position: Senior Researcher]**

EMAS- Impact Assessment Study (2014), selected for a consultancy service with European Commission – DG Environment. The project aimed to analyze and evaluate the effectiveness of voluntary environmental management tools **[Position: Senior Researcher]**

PREFER (PRoduct Environmental Footprint Enhanced by Regions), co-financed by the LIFE + Programme (2013-2016). The project aims to test a new European methodology to assess the environmental footprint of products and services. PEF – Product Environmental Footprint" is a Life Cycle Assessment (LCA) based methodology approved by European Commission and will be tested to assess the environmental impacts of 8 products selected in 8 clusters and provide a source of stimulus of eco-design and communication initiatives [**Position: Project Manager**]

ECO-SCP-MED (Integrating Experiences and Recommendations in Eco-Innovation for Sustainable Production and Consumption in the Mediterranean Area) - co-financed by Interreg MED Program (2013-2014). The ECO-SCP-MED project aimed to ensure sustainability throughout the supply chain of products and services in the MED area, in order to promote eco-innovation and competitiveness through transnational cooperation, integrating experiences and recommendations towards this goal. [**Position:** Senior Researcher]

GPP- *Green Public Procurement Impact Assessment Study* (2012), selected for a consultancy service with European Commission – DG Environment. The project aimed to analyze and evaluate the effectiveness of policy instruments for the implementation of the European Strategy on green public procurement [Position: Project Manager]

SCP - Sustainable Consumption and Production Impact assessment Study (2012), selected for a consultancy service with European Commission – DG Environment. The project aimed to analyze and evaluate the effectiveness of policy instruments for the implementation of the European Strategy on sustainable consumption and production [Position: Senior Researcher]

BRAVE (Better Regulation Aimed at Valorizing EMAS), co-financed by the LIFE + Programme (2012-2014). Research on incentives and simplifications mechanisms for firms adopting innovative environmental management tools that are able to reduce their administrative burdens and improve their competitiveness [Position: Project Manager]

RES MAR (*Resau pour l'Environnement dans l'Espace Maritime*) – funded by the European funding programme Italia-Francia "Marittimo" (2010-2013)- The project aimed to develop innovative and approaches in SMEs operating in territorial clusters [**Position: Project Manager**].

ROADTIRE (Integration of end-of-life tires in the life cycle of road construction) co-financed by the LIFE + Programme (2010- 2013). It aimed to develop innovative methods of waste management. In particular, the project includes the study of the reuse of car tires for the replacement of public pavement [Position: Senior Researcher].

LAIKA (Local Authorities Improving Kyoto Actions) (2010-2013) financed by the LIFE + Programme. The project aimed to realize Climate Action Plans in large municipalities according with the implementation of the Kyoto Protocol. **[Position: Senior Researcher].**

BAT4MED (Boosting Best Available Techniques in the Mediterranean Partner Countries) funded by the VII Framework Programme for research (2011-2014). The project aimed to evaluate the innovation capabilities of firms located on Southern Mediterranean compared to the potentialities of so called BAT – Best Available [Position: Senior Researcher].

IMAGINE (Innovations for a Made Green in Europe) co-funded by the European CIP-Ecoinnovation programme (2009-2012). The project aimed to analyze the design and management of products and their competitive valorization by enhancing the external communication of their environmental features by a "life cycle thinking".perspective. [Position: Senior Researcher].

ECCELSA (Environmental Compliance based on Cluster and Local Experiences SME-oriented Approaches) co-financed by the LIFE + Programme (2009-2012). Research aiming to implement the principles of environmental management in 10 Italian districts [**Position: Project Manager**].

IPPC-MED-NET funded by the EU MED Programme (2009-2012). The project focused on the implementation of the IPPC Directive in 7 EU regions and its effect of firms' management as well as on their competitive performance. [**Position: Senior Researcher**]

Main national projects (n. 25 projects) in the last 10 years

Measuring the HSE culture in the subsidiaries of Ferrovie dello Stato (2021-2022). The project aims to assess the level of HSE culture in the employees of the subsidiaries of Ferrovie dello Stato group by a multidimensional and multilevel metric developed by SUM research group in the project HSE Laboratory. The assessment aims to identify improvement actions for making the current HSE management system more effective and resilient [Position: Principal Investigator]

Measuring Generation SpreKO (2021). Funded by Cittandinza Attiva. The project aims to investigate current and future consumption trends oriented to (and consistent with) the circular economy with particular attention to the identification and quantification of the SpreKO Generation. **[Position: Principal Investigator]**

Circular Consumption Laboratory (2020-2021). Funded by Eni company. The Circular Lab project aims to foster a cultural change through the partnership tool in which the focus is the citizen, as a conscious consumer, user attentive to the quality of service and customer sensitive to the circular economy. The project also intends to create a network and promote actions that arise from co-creation processes, in which the members of the initiative have the opportunity to express their ideas and expectations in the context of the circular economy. **[Position: Principal Investigator]**

--Project SCELTA2 (Develop the Circular Economy by leveraging Purchase Trends) (2020-2021). Funded by CONAI Consortium. The project has a twofold objective: i) analysing the "green" consumption trends consistent with the logic of the circular economy in the period following the first COVID-19 lock-down, in order to understand what attitudes, values and belief affected the consumption choices in an unprecedent historical period; ii) ensuring a certain continuity, in terms of the topics covered, with the previous 2019 survey in order to build a sort of observatory on environmentally responsible consumption. [Position: Principal Investigator]

Project Barcode 4 environment (2020-2022). Funded by GS1 Italy. The project aims to design and develop solutions for the effective communication of the environmental footprint of products (LCA / PEF) through the use of GS1 standards (eg. Barcode), in order to i) remove the main difficulties in the development of a market for "green" products; and ii) contribute to building a reliable relationship between companies and consumers based on reliable, understandable and verifiable communication of the environmental performance of products. **[Position: Project Manager]**

Project on strategic support to GS1 companies through integration of the Check Up Tool (CUT) functions. (2020-2022). Funded by GS1 Italy. In order to extend the strategic support provided to companies in the consumer goods sector, the project intends to integrate the CircolUP, the tool for assessing the circularity of consumer goods companies, with a set of suggestions for improvement actions/best practices able of improving the performance of the company, in the logic of the decision support system (DSS). **[Position: Senior Researcher]**

Project SCELTA (Develop the Circular Economy by leveraging Purchase Trends) (2019-2020). Funded by

CONAI Consortium. The research project is aimed at investigating current and future consumption trends oriented to (and coherent with) the circular economy, the related "drivers" and the role of communication in guiding purchase choices, raising consumer awareness towards the definition of its role in the implementation of a circular economy model. [Position: Principal Investigator]

Project on climate change adaptation in a water balance perspective (2019-2021). Project funded by Heiniken Italia. The project aims to support the company in the development of a strategy to increase the efficiency of the production process with particular attention to water consumption and to compensate for consumption that cannot be reduced through interventions on the territory and the involvement of various stakeholders. The project adopts an ecosystem and community based approach. **[Position: Senior Researcher]**

Project on strategies for adaptation to climate change (2019-2021). Funded by the Eni Enrico Mattei Foundation. The research project is aimed at developing a methodology for the development of adaptation strategies to climate change, with a focus on companies in the oil & gas sector and on the countries in which they operate. The methodology is then tested in a case study on climate change adaptation in Ghana. [Position: Senior Researcher]

Project on experimentation and promotion of the principles of the circular economy among consumergoods companies (2018-2020). Funded by the GS1 Italy Association. The project develops a set of actions aimed at increasing the awareness and skills of companies in the consumer goods sector regarding competitive opportunities linked to sustainable management and inspired by the principles of the "circular economy" of its activities, of the products offered to the market and its supply chain. **[Position: Senior Researcher]**

Project The management of transboundary waste in Europe (2018-2020). Project funded by the Albo Gestori Ambientali. The project has a twofold objective. On the one hand, it aims to analyse the economic and regulatory context of several European Member States to identify the factors that can influence the cross-border transport of waste. On the other hand, the project aims to draw up a guideline for Italian companies wishing to operate in the sector of transboundary waste transport to foreign states, thus providing the basic information necessary to understand the main regulatory mechanisms in force. **[Position: Senior Researcher]**

HSE Organizational Models Laboratory (2017-2022). Project funded by 10 large Italian companies for the development of a research laboratory on HSE models in order to: i) develop knowledge of innovative approaches and tools to improve managerial and organizational skills in dealing with challenges in the HSE field; ii) identify and monitoring the most significant changes at the organizational level to encourage the development of efficient management tools capable of having a positive impact on HSE performance; iii) experiment and test "in the field" the applicability of "frontier" tools for management; iv) interpret the regulatory changes that are looming on the horizon, and assess their strategic, organizational and operational implications. [Position: Principal Investigator]

Project The economic value of water resources (2017-2019). Project funded by Romagna Acque company. The project is related to the quantification of environmental and resource costs in the water tariff, according to the principle of full recovery cost, in order to favor the adoption of governance models of ecosystem services (e.g. payments for ecosystem services) originating from the resource water capable of favoring its management with a view to maintaining value over time. **[Position: Senior Researcher]**

Project on Circular Economy Scenarios and the role of actors in the national packaging system. Project funded by CONAI (2016-2017). The objective of the research is the definition of alternative scenarios developed starting from a profound assessment of multiple dimensions (e.g. levels of circularity and innovation, technical, economic and regulatory aspects), capable of supporting the Consortium in the definition of a network capable of to support the creation of a circular economy model at national level **[Position: Senior Researcher]**

Health, safety and environment performance assessment project (2015-2016). The study aims to carry out an in-depth analysis of the performance of all the group's subsidiaries in the Health, Safety and Environment area in order to evaluate and better understand the dynamics capable of generating positive results. In particular, the research aims to relate the performance measured by the indicators in the HSE field with the programs and initiatives conducted in terms of HSE management and the level of application and maturity of the management systems to supervision of these issues. [Position: Principal Investigator]

Project Evaluation of the socio-economic aspects of the use of the marine environment and related costs of degradation for the stretch of sea under the responsibility of the Liguria Region (2014-2014). At the request of the Regional Agency for the Protection of the Ligurian Environment (ARPAL), the Management Institute of the Sant'Anna School conducted some activities relating to the application of the Marine Strategy entrusted by the Liguria Region. following activities: i) compilation of the Matrix of degradation costs for the part relating to the Liguria Region; ii) compilation of the Matrix of degradation costs for the part relating to Local Authorities; iii) Compilation of the Matrix of the costs of degradation for private subjects; iv) Estimate of residual environmental damage. [Position: Senior Researcher]

Project SMILE (Strategies for Marine Litter and Environmental prevention of sea pollution in coastal areas) (2013-2016). The LIFE SMILE project is a project funded by the European Union that aims to reduce marine litter in coastal areas. As part of the SMILE project, the Institute of Management was entrusted with an external assistance assignment for the development of the following activities: i) survey on the level of awareness of the main stakeholders in relation to the problem of marine litter; ii) recognition of the main best practices in the management of marine litter and marked based instruments; iii) monitoring the effectiveness and efficiency in terms of environmental impact and economic sustainability of the waste management processes adopted. **[Position: Senior Researcher]**

Study in support of the COREPLA consortium (2014-2015). The objective of the study was to analyze, through a scenario analysis and the development of a predictive statistical model, the impact of the waste recycling targets set at EU level on the national recycling chain of plastic packaging waste **[Position: Senior Researcher]**

Study in support of the COMIECO consortium (2013-2014). The performance of the Comieco Consortium, in charge of the collection and recovery of paper and cardboard packaging waste in Italy, was measured through specific key indicators and predicted through statistical modelling. [Position: Senior Researcher]

Project Implementation of the Organization and Prevention Model of crimes pursuant to Legislative Decree 231/2001 in SMEs in the Lucca area. Project financed by the Cassa di Risparmio di Lucca Foundation (2012-2014). The project aims to create a methodological and operational design path that allows companies in the territorial context of the Province of Lucca to make a series of management and organizational tools and solutions that support the implementation and dissemination of organizational models 231. **[Position: Principal Investigator]**

Project Analysis of the supply chains for the management of special waste in an Italian region. Project financed by a private entity (2012-2012). As part of this study, an analysis of special waste management methods in the Veneto region was conducted, analyzing, through a questionnaire survey, the propensity of special waste producers to different forms of waste management (disposal vs recovery). Furthermore, a statistical model was applied to forecast the production of special waste in the Veneto area. **[Position: Senior Researcher]**

GOESE (Global Observatory on the Evolution of the Sustainable Enterprise), funded by PRIN programme – (2012-2015). The project coordinated by Bocconi University within Sant'Anna School as partner, aims to investigate the relationship between sustainability and MNE strategies [Position: Senior Researcher]

Project *Investing in safety in the environmental hygiene sector.*. Project funded by the Rubens Triva foundation (2012 - 2016). Research actions (surveys and case studies) developed in the context of Health and Safety Management between companies in the environmental hygiene sector and promoted by the Rubes Triva Foundation. *[Position: Senior Researcher]*

Project VALRIF (Evaluation of alternative proposals for waste management in Tuscany). Project funded by the "Research and innovation in the territorial and environmental field" 2009 of the Tuscany Region (2010-2012). As part of the Valrif project, a comparison of alternative recovery / treatment / disposal chains of urban waste was conducted through the brief description of the processes through technical / environmental, economic and managerial parameters in order to identify alternative scenarios to the current ones and to those planned in regional planning. [Position: Senior Researcher]

Project COMPARE (*Technical and economic, energy and environmental management comparison of the most important waste management chains in Tuscany*). Project funded by the "Research and innovation in the territorial and environmental field" 2009 of the Tuscany Region (2010-2013). The Compare project conducted an investigation of the technological supply chains (existing and potential) in the territory of Tuscany and an interdisciplinary assessment of the possible forms of efficiency. As part of the Compare project, an LCA analysis was also conducted on the municipal waste supply chain at the provincial level. [Position: Senior Researcher]

Main academic collaborations

<u>International level</u>

- Member of the research group on Environmental Policy and Sustainability at CORD Center for Organization Research & Design- Arizona State University, coordinated by Prof Nicole Darnall (https://cord.asu.edu/team);
- Member of the research group on the internalization of sustainable development and organizational responsibility at the University of Laval (Canada) coordinated by Prof. Olivier Boiral (http://www4.fsa.ulaval.ca/la-recherche/chaires-de-recherche/chaire-de-recherche-du-canada-sur-linternalisation-du-developpement-durable-et-la-responsabilisation-des-organisations);
- Member of the research group of the Pais Vasco University System (IT 763-13 / GIC 12-158) funded by the Basque Country Region. The title of the research is "Grupo de investigación sobre estándares, certificaciones, auditorías y otras tecnologías de autorregulación, clasificación y monitorización del ámbito de la gestión de empresas". The research group is coordinated by da Prof. Iñaki Heras-Saizarbitoria;
- UCLA Anderson School of Management on the topic of consumer behaviour, life cycle thinking and environmental footprint;
- Center for Sustainable Business Practices University of Oregon on the topic of strategies for environmental management;
- Drexel University's LeBow College of Business on the topic of sustainability decoupling, marketing;
- Marketing and Sustainability Research Group University of Aarhus, on the topic consumer behaviour, social and environmental marketing, consumer and environmental protection;
- **Department of Management of University of Granada** on the topic of green public procurement and green human resource management;
- PASH Research Unit (Psychology Applied on Health and Safety) at Leeds Beckett University on the topic of health and safety and environment culture; organization citizenship behaviour;

• Institute of Sustainability in Civil Engineering **RWTH Aachen University** on the topic of life cycle assessment and environmental footprint.

National level

- Member of the research group **GEO- Green Economy Observatory at GREEN** Research Centre (Geography, Resources, Environment, Energy & Networks) of **Bocconi** University aiming studying managerial and strategic implication of green economy;
- Member of the research group (and <u>Vice Director</u>) of CESISP Circular Economy, Industrial Symbiosis and Product Sustainability, aiming at doing research on sustainable products and services development, Eco-Design, environmental product innovation, green marketing, Green Procurement Policies and Supply-chain Management;
- Sapienza University Mechanical Engineering Department on circular consumption;
- Sapienza University Management Department on Corporate Social Responsibility, Agenda 2030 and SDGs:
- University of Perugia Department of Economics on circular economy management & Circular Business Model;
- University of Rome -Tor Vergata Department of Management & Law on sustainable procurement;
- Free University of Bozen Centre for Family Business Management on family firm & sustainability;
- University of Padova Management Department on sustainability accounting.

Teaching Activities and Courses Design

Doctoral Program in Management

International Ph.D. in Management - Innovation, Sustainability and Health at Sant'Anna School:

- o 2012 present, Faculty Member "Membro del Collegio dei Docenti;
- o 2015- present, *Phd Course in "Research Methodology"* jointly taught with Alberto Di Minin and Anna Maria Murante (lectures on Survey design and case study design)
- o 2011- present, *Phd Course in "Sustainability Management"* (lectures on green strategy, operations and green consumption)
- o 2015- present, *Phd Course in "Management Theories"* (lecture on planned behaviour theory)

Graduate and Master of Science Courses at Sant'Anna School

- 2015- present, Master of Science Course in "Business and Sustainability Management" jointly taught with Marco Frey
- o in a.y. 2013-14, 2014-2015 and 2016-2017, graduate Course in "Environmental Management"
- o in a.y. 2015-2016 & 2017-2018 graduate Course in "Questionnaire design"
- o in a.y. 2018-19, graduate Course in "Case Study Design & Qualitative data analysis"
- o in a.y. 2019-20 & 2020-21, graduate Course in "Circular economy implications and opportunities for business and policy making" jointly taught with Fabio Iraldo
- o in a.y. 2019-20 & 2020-21, graduate Course in "Strategies and Business Cases" jointly taught with Marco Frey, Fabio Iraldo, Alberto Di Minin, Andrea Piccaluga e Nicola Bellini

Seasonal School

2020- present, Lecturer and Scientific coordinator of the teaching package on circular marketing and consumer

behaviour at Seasonal School CESM Circular Economy and Sustainability Management, Scuola Superiore S.Anna

Master Post Graduate & Executive courses

Master post graduate 2nd level in Environmental Management & Control at Scuola Superiore Sant'Anna:

- o 2013- present, Faculty Member;
- o 2008- present, coordinator of teaching modules on *green management*, supply chain management, green logistics and retail, green marketing;
- 2008- present, lecturers of numerous teachings on environmental management and circular economy (for more than 200 hours, overall).

2013 - 2016 Lecturer at the Executive Master's Degree in Innovation & Environmental Management at **LUISS Business School** on environmental assessment and Green Procurement Management

2014-15, Lecturer at the International Master in Public Procurement Management at University of Tor Vergata on Green Public Procurement & Environmental Management Systems

2019- present, Lecturer and Scientific coordinator of the teaching package on Circular marketing and consumer behaviour at Executive course Circular Economy for business organized by Institte of Management - Sant'Anna Schoop and KME Italy S.p.A.,

In addition to the courses mentioned above, I have been teaching in several other Master's Degrees and professional courses organized, for example, by the Università Cattolica del Sacro Cuore, Scuola Internazionale di Alta Formazione SIAF, trade associations such as Assolombarda, Confindustria, Confcommercio, Coldiretti.

Supervision & Tutoring

PhD students

Support in the research activities (supervision) of PhD candidates in Management at Sant'Anna School:

Current supervision:

- Roberta Iovino, 3rd year concluded, thesis should be submitted within the end of the year (1 paper already published)
- Vinicio di Iorio, 3rd year student (1 paper already published)
- o Kevin Pirazzi Maffiola, 2nd year student

Past supervision

- Felipe Vizzoto, Food waste reduction in the food services sector: strategies to harvest the low-hanging fruit before it falls off the tree (thesis received two positive review and the defense date is going to be scheduled)
- Guia Bianchi (awarded of a Fulbright scholarship during PhD), Unboxing the complex world of corporate environmental sustainability. Enablers and barriers that foster the internalization of life cycle management. 3rd May 2021
- Fabio Iannone, Green public procurement as a policy instrument for a sustainable economy. an empirical exploration of enabling and limiting factors: from cognitive and organizational barriers to the role of training. 15th October 2020

- Gaia Pretner, Embedding the Circular Economy paradigm into business, strategy and operations -Empirical findings on both the industry's and consumers' perspective 9th December 2019
- Margherita Macellari, Unpacking the Black Box of Sustainability: How Do Organizations Embed Sustainability into Strategies and Operations?, December 2018
- O Jacopo Cerri, Social desirability bias in green consumerism: its causes, consequences and some potential remedies, 6th December 2018
- Silvia Sarti, Exploring individual behaviours to unveil their responses to modern life challenges March 28th 2018
- Benedetta Nucci. Life Cycle Assessment and the environmental commitment of companies: a focus on industrial clusters, October 7th, 2015
- o Ajla Cosic, Sustainable Consumer Behaviour October 7th, 2015
- Support in the preparation of thesis for the Ph.D. students in Management at Sant'Anna School (coauthorship of one or more chapters, published in academic journals): Sara Tessitore and Maria Rosa De Giacomo; Niccolò Todaro, Edoardo Bartoletti (2nd year student)

Master of Science Thesis

- Ongoig supervision : Teresa Bartalini, Natalia Lopez-Marin, Francesca Mabritto, Irene Sartorato, Lorenzo Masarin, Giulia Grazia Napolitano, Edoardo Melchiorri
 - o Claudia Ahmetovic, The macrobiotics supply chain and the relation view: a case study, May 2021
 - Matteo Carbone, The role of organizational eco-innovation for the energy transition: the Baker Hughes case study, October 2020
 - Lucrezia Pedani, Reading between the lines: food sustainability in the digital era. the role of environmental information in the e-commerce of pasta, October, 2020
 - Atta Ghartey Keelson, The Implementation of Corporate Social Responsibility (CSR) in an energy company in Ghana, March 2020.
 - Anne Joan Mulonytho, Household waste management and its impacts on economic growth in developing countries case study: Kampala, Uganda, March 2020
 - o Tina Rajter, Communicating vehicles for providing environmental footprint, March 2020
 - Alberto Beltramello *Greenwashing: a linguistic and visual analysis in deceptive communication,* March 2020.
 - o Francesco Dalprà. What are the factors that explain the food waste of Italian customers in restaurants?, October 2019
 - Federica Di Nunzio. Green communication and consumers' reaction: a field experiment into cosmetic industry, October 2019
 - Danilo Ropele, Analysis of the diffusion of innovations model in organic agriculture :a qualitative research of apple producers in Trentino, October 2019.
 - Elena Bragantini, Understanding pro environmental consumer behaviours towards sustainable tourism practices: the Ecobnb case March 2019
 - Matteo Deanesi The effect of country specific institutional context and characteristics on the relationship between corporate financial performance and corporate environmental performance, October 2018.
 - Mirco Pederzolli, *The determinants of green purchasing intention: the role of co-ops values in the theory of planned behaviour*, October 2018.
 - Francesca Zavatta, Impression management in business strategies among global compact lead companies? findings from a content analysis on sustainability reports and social media platforms, October 2017

- Guia Bianchi What are the relevant factors that explain organic purchasing intentions of Italian consumers?, July 2017
- Chiara Dalle Rive. Exploring the causes of EMAS abandonment: findings from a cross-country case study. March 2017
- Haymanot Wondafrash Mulugeta, Sustainability factors of renewable energy projects in Sub-Saharan Africa: The empirical case of Ethiopia, March 2016
- o Dario Luvini, Chain of Custody certification: an assessment of Chilean wooden industry, March 2014.
- o Paolo Grappio The diffusion of green requirements in public tenders within the Italian building and construction sector: a content analysis, July 2013

Annual Essay Sant'Anna Ordinary Students

- Ginevra Ferrarini, Complete sustainability: dream or possibility? Evidence from global publicly-traded companies April 2017
- o Andrea Soldato, Tecnologie per il clima, April 2021

Bachelor Thesis of Sant'Anna Ordinary Students at University of Pisa

- Luisa Caluri, Green purchases An analysis on the antecedents of eco-friendly choices from the consumer's standpoint, July 2015
- Alesandra Mariani, Strumenti di accountability e di impression management: evidenze empiriche attraverso l'analisi dei bilanci GRI di alcune imprese italiane, September 2016

DBA Students supervision

In collaboration with Grenoble School of Management Chongqing University School of Management and Economics:

- Peng Deguang, Empirical study on influencing factors of consumers' purchase intention of fresh agricultural products through Electronic Commerce
- Weihua Zhang, a study on the influencing factors of consumption intention of leisure farm consumers under the Internet environment

Other Supervision & Tutoring experience

- 2008 present, Supervisor of Master post graduate students in Environmental Management & Control at Scuola Superiore Sant'Anna: 25 students
- 2015 present, Tutor of Ordinary students at Sant'Anna School: 4 students
- 2012- present, tutoring of Laboratories at Management & Control at Scuola Superiore Sant'Anna

Other academic activities

Current Editorial Positions and Guest Editing

- Member of 'Editorial Board of Business Strategy and Environment Journal (Wiley & sons);
- Member of 'Editorial Board of Corporate Social Responsibility & Environmental Management Journal (Wiley & sons);

- Member of 'Editorial Board of Organization & Environment (Sage);
- Guest Co-Editor for *Sustainability Journal* (Special Issue "Quality Management and Sustainable Development") within Prof. Olivier Boiral and Prof. Inaki Heras-Saizarbitoria.

Journals Reviewer Activities

- Journal of Environmental Management (Elsevier, Fascia A ANVUR settore 13B2),
- Journal of Cleaner Production (Elsevier, Fascia A ANVUR settore 13B2);
- Journal of Business Ethics (Springer, Fascia A ANVUR settore 13B2);
- Organization & Environment (Sage, Fascia A ANVUR settore 13B2);
- Transportation and Research part E: Logistics and Transportation Review (Elsevier, Fascia A ANVUR settore 13B2);
- Business Strategy & Environment (Wiley, Fascia A ANVUR settore 13B2);
- Ecological Economics (Elsevier, Fascia A ANVUR settore 13B2);
- International Journal of Life Cycle Assessment (Elsevier);
- Journal of Management & Governance (Springer)
- Resource, Conservation & Recycling (Elsevier);
- Journal of Environmental Planning and Management (Taylor and Francis);
- International Journal of Sustainable Development and World Ecology (Taylor and Francis);
- Environmental Engineering and Management Journal,
- International Journal of Technology Management (Inderscience),

Awards, Recognitions and Mentions

- **2**nd **Best Paper Award C**onference Sinergie Sima Leveraging intersections in management theory and practice Palermo, 10-11 June 2021 "The role of cognitive frames towards circular economy practices in SMEs" co-authored with Corsini F., Gusmerotti NM, Borghini A.
- SSSA Award for my scientific production according to quantity and quality criteria, realized in 2019
- Best Paper Award at the Conference Sinergie Sima Grand challenges: companies and universities working for a better society Pisa, 7-8 September 2020 to the paper "WTP for "circular" garments: an experimental approach"., co-authored with Pretner, G., Darnall, N.., Iraldo, F
- Selected among 10 Best Paper at Conference Sinergie Sima 2017, Napoli (Italia) 15-16 june 2017 to the paper "Improving CSR through hard and soft means: the role of OCBs and the internalization of management" coauthored with Prof. Olivier Boiral O. and Prof. Inaki Heras-Saizarbitoria
- May 30, 2016: European Commission award "Best 25 Life projects" for two research projects completed in 2015 in which I worked as project manager and senior researcher: BRAVE project (Better Regulation Aimed at Valorizing EMAS) and PRISCA project (Pilot project for scale re-use starting from bulky waste stream). The awards were presented to our research group as a beneficiary of the grant.
- Special Mention of Scientific Committee of XXXIV Conference of Italian Academy of Accounting (AIDEA) (Perugia 13-14 October, 2011), to the paper "What factors influence the uptake of GPP (Green Public Procurement) practices? New evidence from an Italian survey" co-authored with Fabio Iraldo and Marco Frey

Education

January 2007 – January 2010 Ph.D. Program (3 years)

PhD Program in Management, Competitiveness and Development - Department of Economics, Faculty of

Social Sciences at Sant'Anna School of Advanced Studies;

Title of final thesis: The Link Between Environment and Competitiveness: An Analysis of the Relationship Among

Regulatory Pressures, environmental practices and competitive performance at the firm level

Final Remark: 100/100 cum laude

November 2003 - November 2004, Master Degree (1 year)

Master post graduate 1st level in Environmental Management & Control at Scuola Superiore Sant'Anna Main topic: tools for managing and controlling a firm's environmental impact, green technologies, EU and national environmental legislation; environmental policy tools such as environmental management systema and ecolabelling.

March 2003, Degree in Business Management (4 years) University of Naples Parthenope

Title of final thesis: The role of consumers in the process of implementing sustainable development.

Final Remark: 110/110 cum laude

Third Mission Activities

Academic entrepreneurship

Since 2006, Senior Consultant (and since 2008 Partner) of Ergo srl, a spin-off of the Scuola Superiore Sant'Anna, on the issues of sustainablilty management, such as, for example, support for the definition of strategies oriented to the circular economy, measurement performance of circularity, conducting compliance audits on environmental matters and occupational health and safety, definition of organizational tools on environmental responsibility and occupational health and safety, support for the definition and implementation of environmental and health management systems and worker safety compliant with ISO 14001 and ISO 45001 standards.

Main client managed: Eni, Versalis, Tenaris Dalmine, IBI Lorenzini, Waste Recycling, SOM, Teseco, Unicoop Tirreno, Unicoop Firenze, Gucci, Axchem, Knauf, Publiambiente, Confindustria Toscana Nord, Confindustria Bergamo, Heineken, Kerry, AMA Roma, Life + Making Good Natura, progetto Nanobond (Regione Toscana, POR 2014-2020), Eni Gas Costiero, ANCC, Certiquality, Italgas, Acque S.p.A., Comune di Pisa, Cosmetica Italia, Liguria Ricerche, PromoImpresa Borsa Merci (Azienda Speciale della Camera di Commercio di Mantova), Eridania, Lavazza, Ferrero, Coop Italia, Sammontana, Ferrarelle

Knowledge transfer actions to practitioners

- 2021 present, Scientific Committee Member at Fondazione Ecosistemi. The mission of Fondazione
 Ecosistemi is to improve the environmental and social quality of the economy and the territory with
 good practices, actions and solutions for sustainable development, also by looking for innovative
 processes and models to support the ecological transition.
- 2010 present, Scientific Committee Member at Rete Cartesio. It is a network promoted by some Italian regional authorities, is aimed to reach and diffuse collective solutions in cluster sustainable

management

Public engagement

With reference to the area of public engagement, I would like to point out some, among the numerous activities, with specific reference to those carried out in the 2020-2021:

- Digital Event Sustainable growth paths, Sole 24 ore RE-Economy Summit (October 2021)
- Digital Event "Present and the Future of Sustainable of Fashion, Regulatory perspectives, competitive opportunities and tools for circularity and climate neutrality" organized by Green Economy Observatory GREEN Bocconi University (September 2021).
- Digital event "Made Green in Italy operational take-off of the certification scheme for the environmental excellence of Italian products and its role in the ecological transition" organized by LIFE EFFIGE consortium and Green Economy Observatory (June 2021)
- Roundtable Circular Economy and Environmental Impact at XXI Conference ANRA: «Enterprise Risk Management & Sostenibilità': Il Percorso Per Un Futuro Consapevole» (Milan, May 2021)
- Digital Event Sustainable consumption: the new dynamics in consumption choices, consumer expectations **Sole 24 ore RE-Economy Summit** (October 2020).
- *Digital Event* State Of The Art And Evolutionary Perspectives Of Environmental Certifications In Emilia-Romagna, organized by the Emilia Romagna Region (December 2020) -
- Internet Festival 2020: webinar *Circular economy and sustainability read from the Planetary Health perspective,* in the Economic Orbits section, available on the F2020 YouTube Channel (https://www.youtube.com/watch?v=yB05PqRJyJk&ab channel=InternetFestival) (November 2020).
- Webinar "The European environmental footprint and the Made Green in Italy scheme: synergies to
 enhance products. The LIFE EFFIGE project for the food sector" in collaboration with the Tuscany
 Regional Section of the National Register of Environmental Managers and the Florence Chamber of
 Commerce (December 2020)
- Digital Event "The role of information in supporting the consumption of green and circular products" (March, 2020)

Industrial Engagement through Research or Consulting

Thanks to the development of the research design and consulting, in recent years I have established formal relationships with the public and private organizations listed below:

Ministero del lavoro, Ministero dell'ambiente, ENEA, INAIL, ISPESL, ISPRA, Regione Basilicata, Regione Emilia Romagna – ERVET, Regione Lazio, Regione Liguria – Liguria Ricerche, Regione Lombardia, Regione Toscana, ARPA Emilia Romagna, ARPA Liguria, ARPA Lombardia, ARPA Toscana, Provincia di Bologna, Provincia di Firenze, Provincia di Lucca Provincia di Milano, Provincia di Pisa, Provincia di Prato, Provincia di Siena, Comune di Lucca, Comune di Milano, Comune di Pisa, CiAl, CONAI, COBAT, Comieco, Corepla, Ecopneus, Consorzio RICREA, RINA Certiquality CSQA, DNV – Det Norske Veritas, IMQ Ecoway, ERM Italia, Eridania, Fondazione CR Lucca, EXPO Milan 2015, TOROC, A2A, AB Inbev – SabMiller Abbvie, ABB, Agusta Westland ,Autostrade, Banca Intesa – San Paolo, Barilla, BASF, Bauli, Balocco, Carlsberg, Concorde, Danone, Ecolucart, Edison, ENEL, ENI, ERG, Feralpi Siderurgica, Ferrero, Ferrovie dello Stato, Fiat Auto, FPT Industrial, Heineken, IBM, Istituto Poligrafico Zecca dello Stato, Italtel, Kraft, Lavazza, LECA – Laterlite, Lonza, Luxottica, MAPEI, Materis Paints, METRO Cash & Carry, New Holland, Piaggio, Pirelli Tyres, Poste Italiane, Procter & Gamble, Reale Mutua Assicurazioni, Sammontana, Saras, Siemens, SNAM, Sofidel, Sogin, ST Microelectronics, Tenaris, Terna, Tioxide Europe, Unicoop Tirreno, UniCredit, Unilever, Vodafone Italia, Whirlpool, Assolombarda, Confindustria Bergamo, Confindustria Latina, Confindustria Lucca ,Confindustria Prato, Assocarta, Associazione Conciatori, Assolatte, Assoreca, Confcommercio, Confindustria Ceramica, Consorzio Conciatori, Cosmetica Italia, Federchimica, UCIMU, UNIC

Other Information

Language Skills

Mother Tongue: Italian

	Unders	Understanding		Speaking	
	Listening	Reading	Spoken interaction	Spoken production	
English	C-1	C-1	C -1	C -1	C -1
Spanish	A -2	A -2	A -2	A -2	A -1

Levels: A 1 - 2: Basic user, B 1 - 2: Independent user; C 1-2: Proficient user According to the Common European Framework of References for Languages

IT Skills

Microsoft Office, N-Vivo, UCINET, STATA, AHP Software, ATLAS.

Personal attributes

- Outstanding communication skills, both written and oral
- Strong organizational, process, and project management skills
- Proactive approach to identify opportunities for improvement
- Flexible, enthusiastic, a creative problem-solver, and a great team player
- Experience supervising staff

Academic codification

orcid.org/0000-0003-4494-8146

Annex Bibliometric Indicators and List of Publications, Conferences participations

Bibliometric Indicators (15 October 2021)

Source	H-index	Number of documents	Number of citations
Scopus	32	89	3690
Google Scholar	41	175	6548

Articles in Peer-Reviewed Journals

- 1. Todaro, N.M., Testa, F., Gusmerotti, N.M. 2022. Drivers of employees' proactiveness for sustainability embeddedness: Examining situation-related antecedents of information exchange, *Business Strategy and the Environment, doi.org/10.1002/bse.2990*
- 2. **Bianchi, G., Testa, F., Tessitore, S., Iraldo, F., 2021.** How to embed environmental sustainability: The role of dynamic capabilities and managerial approaches in a life cycle management perspective, *Business Strategy and the Environment,* doi: 10.1002/bse.2889
- **3. Vizzoto, F., Testa, F., Iraldo, F., 2021.** Towards a sustainability facts panel? Life Cycle Assessment data outperforms simplified communication styles in terms of consumer comprehension, *Journal of Cleaner Production* 323, 12912
- 4. **Bianchi, G., Testa, F., Boiral, O., Iraldo, F., 2021.** Organizational Learning for Environmental Sustainability: Internalizing Lifecycle Management, *Organization and Environment*, DOI 10.1177/1086026621998744
- NM Todaro, F Testa, T Daddi, F Iraldo. 2021. The influence of managers' awareness of climate change, perceived climate risk exposure and risk tolerance on the adoption of corporate responses to climate change. Business Strategy and the Environment, 30, 1232–1248
- 6. **Testa, F., Di Iorio, V., Cerri, J., Pretner, G., 2021.** Five shades of plastic in food: Which potentially circular packaging solutions are Italian consumers more sensitive to. *Resources, Conservation and Recycling*, 173, 105726
- 7. **Daddi, T., Heras-Saizarbitoria, I., Marrucci, L., Rizzi, F., Testa, F., 2021**. The effects of green supply chain management capability on the internalisation of environmental management systems and organisation performance. *Corporate Social Responsibility and Environmental Management*, 28, 1241–1253
- 8. Vizzoto, F., Tessitore, S., Testa, F., Iraldo, F., 2021. Plate waste in foodservice outlets: Revealing customer profiles and their support for potentially contentious measures to reduce it in Italy, *Resources, Conservation and Recycling*, 174, 105771
- 9. **Vizzoto, F., Testa, F., Iraldo, F., 2021**. Strategies to reduce food waste in the foodservices sector: A systematic review, *International Journal of Hospitality Management*,, 95, 102933

- 10. **Pretner, G., Darnall, N., Testa, F., Iraldo, F., 2021.** Are consumers willing to pay for circular products? The role of recycled and second-hand attributes, messaging, and third-party certification. *Resources, Conservation and Recycling*, 175, 105888
- 11. **Testa F., Pretner G., Iovino R., Bianchi G., Tessitore S., Iraldo F.. 2021**. Drivers to green consumption: a systematic review. *Environment, Development and Sustainability*, 23, 4826–4880
- 12. **Macellari, M., Yuriev, A., Testa, F., Boiral, O., 2021**. Exploring bluewashing practices of alleged sustainability leaders through a counter-accounting analysis, *Environmental Impact Assessment Review*, 86, 106489
- 13. **Testa F., Iovino R., Iraldo F., 2020.** The circular economy and consumer behaviour: The mediating role of information seeking in buying circular packaging. *Business Strategy and the Environment, 29, 3435–3448*
- 14. Passetti E., Battaglia M., Testa F., Heras-Saizarbitoria I. 2020. Multiple control mechanisms for employee health and safety integration: effects and complementarity. Accounting, Auditing & Accountability Journal, 33, 1595–1626
- 15. **Vizzoto F., Tessitore S., Iraldo F., Testa F., 2020.** Passively concerned: Horeca managers' recognition of the importance of food waste hardly leads to the adoption of more strategies to reduce it. *Waste Management,* 107, 266-275
- 16. **Todaro N.M., Daddi T., Testa F., Iraldo F., 2020.** Organization and management theories in environmental management systems research: A systematic literature review. *Business Strategy & Development* 3, 39–54
- 17. **Gusmerotti N. M., Testa F., Macellari M., Frey M., 2020.** Corporate social responsibility embeddedness through a social network analysis: The case of an Italian multiutility company. *Corporate Social Responsibility and Environmental Management*, 27, 455–469
- **18. Testa F., Corsini F., Gusmerotti N. M., Iraldo F., 2020.** Predictors of organizational citizenship behavior in relation to environmental and health & safety issues. *The International Journal of Human Resource Management* **31,** 1705–1738
- **19. Testa F., Todaro N., Gusmerotti N. M., Frey, M. 2020.** Embedding corporate sustainability: An empirical analysis of the antecedents of organization citizenship behavior. *Corporate Social Responsibility & Environmental Management* 27, 1198–1212
- **20. Tessitore, S, Testa, F, Iraldo, F, Daddi, T. 2019.** Isomorphic or dissimilar implementation among environmental management scheme adopters? Empirical evidence from the European context. *Business Strategy & Development*, 2: 290–302.
- **21. Todaro N.M., Testa F., Daddi T., Iraldo F., 2019.** Antecedents of environmental management system internalization: Assessing managerial interpretations and cognitive framings of sustainability issues, *Journal of Environmental Management* 247, 804-815.
- 22. **Gusmerotti N.M., Testa F., Corsini F., Pretner G., Iraldo F., 2019**. Drivers and approaches to the circular economy in manufacturing firms, *Journal of Cleaner Production* 230, 314-327,

- 23. **Cerri J., Testa F., Rizzi F., Frey M., 2019.** Factorial surveys reveal social desirability bias over self-reported organic fruit consumption, *British Food Journal*, 121, 897–909
- 24. **De Giacomo, M.R., Testa, F., Iraldo, F., Formentini, M. 2019.** Does Green Public Procurement lead to Life Cycle Costing (LCC) adoption? *Journal of Purchasing and Supply Management*. 25, 100500
- 25. **Gusmerotti NM, Corsini F. Testa F., Rizzi F., Frey M., 2019.** Outsourcing environmental services: new insights into the factors influencing the circular economy. *Environmental Engineering and Management Journal*, 18, 433–446
- 26. **Testa, F., Sarti, S., Frey, M. 2019**. Are green consumers really green? Exploring the factors behind the actual consumption of organic food products. *Business Strategy and the Environment, 28, 327–338*
- 27. **Iannone, F., Testa, F., Daddi, T., Frey, M., Casamento, G. 2019.** The role of Green Public Procurement in circular economy policies: An international comparison. *Economics and Policy of Energy and the Environment*, 2/2019, 149–170
- **28.** Daddi, T., Iraldo, F., Testa, F., De Giacomo, M.R., 2019. The influence of managerial satisfaction on corporate environmental performance and reputation. *Business Strategy and the Environment*, 28, 15–24
- 29. **Cerri, J., Thøgersen, J., Testa, F. 2019.** Social desirability and sustainable food research: A systematic literature review *Food Quality and Preference* 71, 136-140
- 30. M Macellari, NM Gusmerotti, M Frey, F Testa. 2018. Embedding biodiversity and ecosystem services in corporate sustainability: A strategy to enable Sustainable Development Goals, *Business Strategy & Development* 1, 244-255
- 31. **Allur E., Heras-Saizarbitoria I., Boiral O., Testa F., 2018**. Quality and Environmental Management Linkage: A Review of the Literature, *Sustainability* 10, 4311
- 32. **Testa, F., Miroshnychenko, I., Barontini, R., Frey, M. 2018,** Does it pay to be a greenwasher or a brownwasher? *Business Strategy and the Environment, 27, 1104–1116*
- 33. **Testa F., Boiral O., Iraldo F. 2018,** Internalisation of environmental practices and institutional complexity: can stakeholders pressures encourage greenwashing? *Journal of Business Ethics*. 147, 287–307
- 34. **Corsini F., Gusmerotti NM, Testa F, Iraldo F, 2018**. Exploring waste prevention behaviour through empirical research, *Waste Management* 79, 132-141
- 35. **Testa F., Boiral O., Heras-Saizarbitoria I.. 2018**. Improving CSR performance by hard and soft means: The role of organizational citizenship behaviours and the internalization of CSR standards. *Corporate Social Responsibility and Environmental Management*, *25*, *853–865*
- 36. **Sarti S., Darnall N., Testa F. 2018.** Market segmentation of consumers based on their actual sustainability and health-related purchases. *Journal of Cleaner Production* 192,. 270–280
- 37. **Testa F., Iraldo F., Daddi T., 2018.** The effectiveness of EMAS as a management tool: a key-role for the internalization of environmental practices. *Organization & Environment*, 31, 48–69

- 38. **Cerri J., Testa F.; Rizzi F. 2018.** The more I care, the less I will listen to you: how information, environmental concern and ethical production influence consumers' attitudes and the purchasing of sustainable products. *Journal of Cleaner Production 175*, 343–353.
- 39. **Testa F., Russo M.V., Cornwell T. B., McDonald A., Reich B. 2018**. Social Sustainability as Buying Local: Soft Policy, Meso Level Actors and Social Influences on Purchase Intentions. *Journal of Public Policy & Marketing*, 37, 152–166
- 40. **Iraldo F., Testa F., Lanzini P. Battaglia M. 2017**. Greening competitiveness for hotels and restaurants. *Journal of Small Business and Enterprise Development*, 24, 607–628
- 41. **Testa F., Nucci B., Iraldo F., Appolloni A., Daddi T., 2017**. Removing obstacles to the implementation of LCA among SMEs: A collective strategy for exploiting recycled wool. *Journal of Cleaner Production 156*, 923-931
- 42. **Miroshnychenko I., Barontini R., Testa F., 2017**. Green practices and financial performance: A global outlook. *Journal of Cleaner Production* 147, 340–351
- 43. **Boiral, O., Heras-Saizarbitoria, I., & Testa, F. 2017**. SA8000 as CSR-washing? The role of stakeholder pressures. *Corporate Social Responsibility and Environmental Management* 24, 57-70
- 44. **Daddi, T., Testa, F., Frey M., Iraldo, F., 2016.** Exploring the link between institutional pressures and environmental management systems effectiveness: An empirical study. *Journal of Environmental Management* 183, 647–656
- 45. **Testa F., Heras, I., Daddi, T., Iraldo F., Boiral O.,. 2016**. Public Regulatory Relief and the Adoption of Environmental Management Systems: A European Survey. *Journal of Environmental Planning & Management*, 59, 2231–2250
- 46. **Testa F., Gusmerotti NM, Corsini F., Passetti E., Iraldo F., 2016**. Commitment to the environment by small firms: The role of institutional pressures, internal motivations and entrepreneurs' attitudes. *Corporate Social Responsibility & Environmental Management*, 23, 373–385
- 47. **Daddi T., Nucci B., Iraldo F., Testa F. 2016**. Enhancing the adoption of LCA by SMEs grouped in an industrial cluster: a case study of the tanning cluster in Tuscany (Italy). *Journal of Industrial Ecology*, 20, 1199–1211
- 48. **Testa F., Nucci B., Tessitore S., Iraldo F., Daddi T., 2016**. Perceptions on LCA implementation: evidence from a survey on adopters and non-adopters in Italy. *International Journal of Life Cycle Assessment*, 21, 1501–1513
- 49. **Testa F., Grappio P, Gusmerotti NM., Iraldo, F., Frey, M., 2016** Examining green public procurement using content analysis: existing difficulties for procurers and useful recommendations. *Environment, Development and Sustainability* 18, 197–219
- 50. **Testa F., Annunziata E., Iraldo F., Frey M., 2016**. Drawbacks and opportunities of green public procurement: an effective tool for sustainable production. Journal of Cleaner Production, 112, 1893–1900

- 51. **Gusmerotti NM, Corsini F., Testa F., Borghini A., Iraldo F. 2016.** Predicting behaviours related to marine litter prevention: an empirical case based on junior high school students in Italy. *International Journal of Sustainable Society* 8, 1-21
- 52. **Annunziata E, Testa F, Iraldo F, Frey M, 2016.** Environmental responsibility in building design: an Italian regional study, *Journal of Cleaner Production*, 112, 639–648
- 53. **Lanzini P., Testa F., Iraldo F., 2016.** Factors affecting drivers' Willingness To Pay for biofuels: the case of Italy. *Journal of Cleaner Production*, 112, 2684–2692
- 54. **Testa F, Cosic A, Iraldo F, 2016**. Determining factors of curtailment and purchasing energy related behaviours, *Journal of Cleaner Production*, 112, 3810–3819
- 55. **Daddi, T., Tessitore, S., Testa, F., 2015.** Industrial ecology and eco-industrial development: Case studies from Italy, *Progress in Industrial Ecology 9,* 217–233
- T. Daddi M. Frey, MR De Giacomo, F. Testa, F. Iraldo, 2015. Macro-economic and development indexes and ISO14001 certificates: a cross national analysis *Journal of Cleaner Production* 108, 1239-1248
- 57. **Testa F., Iraldo F., Vaccari A, Ferrari E., 2015**. Why Eco-labels can be effective marketing tools: evidence from a study on Italian consumers. *Business Strategy and Environment*, 24, 252–265
- 58. **Tessitore S.**, **Testa F.**, **Daddi T.**, **Iraldo F. 2014.** The cluster approach as solution to improve environmental management at the SME level: a comparison study. *Environmental Engineering and Management Journal* 13, 1827-1838
- 59. **Rizzi F., Frey M., Testa F., Appolloni A. 2014** Environmental value chain in green SME networks: the threat of the Abilene paradox. *Journal of Cleaner Production 85*, 265-275
- 60. Testa F., Rizzi F, Daddi, T., Gusmerotti NM., Iraldo, F., Frey, M., 2014. EMAS and ISO 14001: the differences in effectively improving environmental performance. *Journal of Cleaner Production* 68 165-173 (advised by the European Commission Service Environmental Science for Policy)
- 61. **Testa F., Daddi T., De Giacomo MR, Iraldo F., Frey M., 2014.** The effect of IPPC regulation on facility performance, *Journal of Cleaner Production* 64, 91–97.
- 62. **Battaglia M, Testa F, Bianchi L, Iraldo F, Frey M. 2014.** Corporate Social Responsibility and Competitiveness within SMEs of the Fashion Industry: Evidence from Italy and France. *Sustainability* 6, 872-893.
- 63. **Daddi T., Testa F., Iraldo F., Frey M., 2014.** Removing and simplifying administrative costs and burdens for EMAS and ISO14001 certified organizations: evidence from Italy. *Environmental Engineering and Management Journal* 13, 689-698
- 64. Daddi T., De Giacomo MR, Iraldo F., Testa F., Frey M., 2014. The effects of Integrated Pollution Prevention and Control (IPPC) regulation on companies management and competitiveness, Business Strategy & Environment 23, 520–533

- 65. **Iraldo F., Testa F., Bartolozzi I., 2014**, An application of Life Cycle Assessment (LCA) as a green marketing tool for agricultural products: the case of extra virgin olive oil in Val di Cornia, Italy, *Journal of Environmental Planning & Management* 57, 78-103.
- 66. **Annunziata E., Frey M., Iraldo F., Testa F., 2013,** The Contribution of Green Public Procurement to Energy Efficiency Governance in Buildings, . *Rivista Politica Economica* IV-VI, 17-39.
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Pisa, 2 January 2022

Francesco Testa

DICHIARAZIONE SOSTITUTIVA DI CERTIFICAZIONI E DI ATTO DI NOTORIETA'

(ai sensi dell'art. 46 e dell'art. 47 del D.P.R. 28 dicembre 2000, n. 445)

Il sottoscritto Francesco Testa

Nato a Napoli (Provincia di Napoli), il 08/01/1980, attualmente residente in PISA (Provincia di Pisa), Corte San Domenico A, n. 1, c.a.p. 56125 (ed ivi domiciliato), codice fiscale TSTFNC80A08F839E, recapito telefonico 0039 3316992262, email f.testa@santannapisa.it;

a conoscenza di quanto prescritto dall'art. 76 del D.P.R. 28 dicembre 2000 n. 445, sulla responsabilità penale cui può andare incontro in caso di falsità in atti e di dichiarazioni mendaci, nonché di quanto prescritto dall'art. 75 del D.P.R. 28 dicembre 2000 n. 445, sulla decadenza dai benefici eventualmente conseguenti al provvedimento emanato sulla base di dichiarazioni non veritiere, ai sensi e per gli effetti del citato D.P.R. n. 445/2000 e sotto la propria personale responsabilità:

DICHIARA

che tutte le informazioni contenute nel proprio curriculum vitae sono veritiere.

Letto, confermato e sottoscritto.

Pisa, 17 Ottobre 2021

Il Dichiarante