

Michela Gallo

Associate Professor of Environmental and Sanitary Engineering (CEAR-02/A)

EDUCATION AND TRAINING

From 2002 to 2005

PhD in Marine Environmental Sciences. PhD thesis title: Application of LCA studies to wastewater purification: Definition for ecotoxicity indicators and use of related software.
University of Genoa - Genoa – IT

2000

Postgraduate Master's Degree in Integrated Quality, Safety, and Environmental Management Systems. Level 3 Professional Certificate as Production Quality Expert (ISTAT code 2512C).
Master's Degree (800 hours) in Integrated Quality, Safety, and Environmental Management Systems. Assistant for the implementation of integrated quality, safety, and environmental management systems within the company.
SOGEA - Genoa – IT

From 1993 to 1998

Degree in Marine Environmental Sciences

Experimental thesis title: "Geochemical and environmental aspects of the aquifers of the Alta Val Scrivia." Grade: 110/110 cum laude and approved for publication.
University of Genoa – IT

ACADEMIC HISTORY

2020 to present

Associate Professor

University of Genoa, Polytechnic School, Scientific-disciplinary sector CEAR-02/A "Sanitary and Environmental Engineering".
University of Genoa, Italy – Department of Civil, Chemical, and Environmental Engineering

2008 to 2020

Researcher

University of Genoa, Polytechnic School, Scientific-disciplinary sector CEAR-02/A "Sanitary and Environmental Engineering".
University of Genoa, Italy – Department of Civil, Chemical, and Environmental Engineering

2008

Assistant Professor

Lecturer of Climate Change and Flexible Mechanisms
University of Genoa - Genoa – IT

2007 to 2008

Assistant Professor

Lecturer of Environmental Management Systems

University of Genoa - Genoa - IT

2006

Assistant Professor

Teaching in the Master's Degree Program in "The Role of Environmental Impact Assessment and Ecological Risk Analysis." Course leader: Environmental Management Systems.
Amedeo Avogadro University of Eastern Piedmont, Alessandria – IT

2005

Assistant Professor

Teaching in the Master's Degree Program in Environmental and Quality Certification.
Ca' Foscari University of Venice, Portogruaro Campus - Portogruaro – IT.

ACADEMIC ROLES (main)

2023 to present

National Coordinator of the Climate Change Working Group of the RUS

RUS- Italian Network of Universities for Sustainable Development, with over 80 participating universities and research centers - IT

2021 to present

Director of the Interuniversity Center CESISP - Interuniversity Center for the Development of Product Sustainability on Circular Economy, Industrial Symbiosis, Product Sustainability.
Department of Civil, Chemical, and Environmental Engineering, University of Genoa; Institute of Management of the Sant'Anna School of Advanced Studies. Italy

2021 to present

Member of the board of the National Doctorate in Sustainable Development and Climate Change (SSCC), PhD SDC – Sustainable Development and Climate Change, established by the University School of Advanced Studies IUSS of Pavia in agreement including 30 Italian universities.

IUSS University School of Advanced Studies – Pavia – IT

From 2019 to present

Representative person for the University of Genova within the Scientific Committee of the Research Interuniversity Centre HIGH TECH RECYCLING

Development of innovative eco-compatible technologies for urban, industrial, medical and harbour waste recover and valorisation.

University of Roma La Sapienza – Department of Chemistry

From 2017 to 2019.

Delegate for Orientation of the Chemical and Process Engineering Program at the University of Genoa.

University of Genoa – Genoa – IT

From 2015 to present

Representative of the University of Genoa on the Scientific Council of the Interuniversity Center for Human Ecology.

From 2015 to present

Member of the University Commission for Environmental Sustainability (Prot. No. 81661 of 7/12/2015).

University of Genoa - Genoa - IT

From 2015 to 2020

Scientific Responsibility of the Framework Agreement between the University of Genoa and a publicly owned institution, AMIU SPA, Multiservice and Urban Hygiene Company of the Municipality of Genoa - Genoa - IT

From 2009 to present

Representative of the University of Genoa at international climate negotiations.

Participation in the COP (United Nations Climate Change Conference) since 2009, including COP21 - Paris, where the Paris Agreement was signed in 2015.

United Nations - Bonn - D

From 2008 to 2021

Member of the Scientific Council of CESISP (Interuniversity Center for the Development of Product Sustainability).

Department of Civil, Chemical, and Environmental Engineering, University of Genoa; Institute of Management of the Sant'Anna School of Advanced Studies. Italy

MANAGING EXPERIENCE

Since 2018

CEO and co-founder of Tetis Institute S.R.L. - TEchniques for The Impact on Sustainability, Spin Off of the University of Genova

Tetis Institute Srl - TEchniques for The Impact on Sustainability

EXPERIENCES

MAIN SEMINARS

2020-2021

Circular Economy School - Teaching and Coordination on behalf of the University of Genoa for ENEL SpA management, aimed at enhancing corporate knowledge and skills for the development of Circular Economy projects - ENEL SpA. In collaboration with the Scuola Superiore Sant'Anna of Pisa.

Edition I-2020; Edition II-2020; Edition I-2021; Edition II-2021; Edition III-2021.

ENEL SpA

Since 2003

Several seminars on behalf of public bodies, private companies and certification bodies on Life Cycle Assessment, Environmental Labeling, Climate Neutrality, and Carbon Management.

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

Responsability of EU funded projects

# Title	Description	Date	Role
PNRR NextGenerationEU	Referent person for UNIGE: Task 6.2.3. - Development/validation of the circular systems for their capacity to reverse climate change, increase bioeconomy and protect air, water and soil and plant quality and health WP 6.2. - Circular management models for exploitation of waste materials Spoke 6 (Theme 6) - Management models to promote sustainability and resilience of agricultural production systems National Research Centre for Agricultural Technologies (Agritech) European Union – NextGenerationEU National Recovery and Resilience Plan (NRRP), Mission 4, Component 2 Investment 1.4 MISSIONE «ISTRUZIONE E RICERCA» Ministero dell'Università e della Ricerca Funding € 320.070.095,50 Total	01/09/2022 31/08/2025	Task Leader
PNRR NextGenerationEU	Referent person for UNIGE: Project 8 "AI tools and technologies for greening ports" T2.3.1 AI-tools to evaluate energy consumption and emissions in port areas released by or related to ships, heavy duty vehicles, service vehicles, etc., referring to different time periods Topic 2.3: Sustainability assessment and masterplan of port areas WP2 – Machine Learning and real-time data for port safety, security, and sustainability Spoke 4 (Theme 6) - Smart and sustainable ports" Project RAISE – Robotics and AI for Socio- economic Empowerment European Union – NextGenerationEU National Recovery and Resilience Plan (NRRP), Mission 4, Component 2 Investment 1.4 MISSIONE «ISTRUZIONE E RICERCA» Ministero dell'Università e della Ricerca Funding € 109.949.673 Total	01/09/2022 31/08/2025	Project leader
INTERREG CENTRAL EUROPE program	Scientific Responsible for UNIGE Task "Circular Economy" Work Packages 1,2,3 AMiCE (Advanced Manufacturing in Central Europe) project, funded b INTERREG CENTRAL EUROPE program https://www.interreg-central.eu/Content.Node/AMiCE.html Funding € 2.497.487 Total	01/08/2017 30/07/2020	Task Leader
Life+2010 LIFE10ENV/IT/367	Scientific Responsible for UNIGE UNIGE-CESISP Work Package 1 "Packaging Stream"(Action1 Leader) and Member Steering Committee del Progetto Life+2010 LIFE10ENV/IT/367: Sustainable cruise - prototypes and approaches for raising the waste hierarchy on board and certifying it Link	01/09/2011 30/06/2014	Action1 Leader, Steering Committee

	Total cost € 2.629.246 (EU contribution € 1.314.623); UNIGE € 271.886 (EU contribution € 135.943)		
FP7 - (FCH JU) FCH-JU-2009-1	<p>Scientific Responsible for UNIGE-CESISP and of Work Package 4.3 "Life Cycle Analysis" (WP 4.3 Leader) del Progetto Seventh Framework Programme FP7 - (FCH JU) FCH-JU-2009-1 – Collaborative Project: CATION Cathode Subsystem Development and Optimisation https://cordis.europa.eu/project/id/256627/it</p> <p>Total cost € 7.108.505,76 (EU contribution € 2.625.788,83); UNIGE € 104.270,10 (EU contribution € 83.416,08)</p>	01/01/2011 30/06/2014	WP 4.3 Leader
Life+2009 LIFE09ENV/IT/000200	<p>Co-responsible for UNIGE-CESISP Work Package 3 "Establishment of a system for the enhancement of the economy and for the allocation of incentives supporting both the achievements of the objectives focusing on the decrease of climate-changing gas emissions and the experimental implementation of a scheme for the assignment and the exchange of emission credits, supported by the local authorities" (Action 3 Leader) Project Life+2009 LIFE09ENV/IT/000200: LAIKA Local Authorities Improving Kyoto Actions Link</p> <p>Total cost € 1.852.654 (EU contribution € 926.327); UNIGE € 487.924 (EU contribution € 243.962)</p>	01/10/2010 30/09/2013	Co-responsible Action 3
FP6-2004-Energy-3 SUSTDEV – 1.2.1	<p>Scientific Responsible for UNIGE-DICeP Work Package 6.4 "Fuel Flexibility, grid connection, safety and LCA" (WP 6.4 Leader) del Progetto Sixth Framework Programme FP6-2004-Energy-3 SUSTDEV – 1.2.1: Towards a Large SOFC Power Plant https://cordis.europa.eu/project/id/19739</p> <p>Total cost € 11.026.326 (EU contribution € 5.799.636); UNIGE € 1.100.000 (EU contribution: € 550.002)</p>	01/01/2007 31/12/2009	WP 6.4 Leader
FP6-2005-TRANSPORT-4 STREP - Specific Targeted Research Project	<p>Scientific Responsible for UNIGE-DICeP Work Package 4 "LCA of the marine vessel using renewable methanol based fuel cells" (WP4 Leader) del Progetto Sixth Framework Programme FP6-2005-TRANSPORT-4: METHAPU Validation of Renewable Methanol Based Auxiliary Power System for Commercial Vessels https://cordis.europa.eu/project/id/31414/it</p> <p>Total cost € 1.930.300 (EU contribution € 1.000.000); UNIGE € 193.720 (EU contribution: € 97.360)</p>	01/11/2006 31/12/2009	Participant WP 4 Leader

RESPONSABILITY OF OTHER PROJECTS

# Title	Description	Date	Role
Agricultural European fund for the rural development "Programma regionale di sviluppo rurale 2014 - 2020 Regione Emilia-Romagna"	Scientific Responsible for UNIGE-CESISP: "Contabilizzazione delle emissioni nette delle colture orticole/frutticole per elaborare proposte di metodologie per la generazione di crediti di carbonio" Domanda AGREA n.5404598 FOCUS AREA 3A Operazione 16.2.01 Determinazione n. 14925 del 01/08/2022 Regione Emilia-Romagna Funding € 208.050,68 Total (UNIGE € 80.000,00)	01/10/2022 31/03/2024	Scientific Responsible
Municipality of genoa fund	Scientific Responsible for UNIGE-CESISP: Blu di Genova, Un nuovo modo di scoprire, studiare e proteggere il mare della città finanziato da Fondazione Carige nell'ambito del progetto "Genova Blue District – blue New Deal tra volontariato ed innovazione" Determina Dirigenziale Prot N.36 del 31/05/21 Comune di Genova Funding € 19.997,67 Total	05/2021 12/2021	Scientific Responsible
Italian Environmental Ministry fund SNSvS 2	Scientific Responsible for UNIGE-CENVIS: Azione C1 (Migliorare le conoscenze sui cambiamenti climatici e sui loro impatti) del Progetto "Strumenti, governance e formazione per la strategia di adattamento ai cambiamenti climatici in un'ottica di sviluppo sostenibile" - CATEGORIA DI INTERVENTO 1 Progetti di ricerca a supporto dei processi di elaborazione e attuazione delle strategie regionali e provinciali per lo sviluppo sostenibile, Soggetto Proponente: Fondazione CIMA - Centro Internazionale in Monitoraggio Ambientale, finanziato dal MINISTERO DELL'AMBIENTE E DELLA TUTELA DEL TERRITORIO E DEL MARE (bando per promuovere progetti di ricerca a supporto dell'attuazione della Strategia Nazionale per lo Sviluppo Sostenibile – Bando SNSvS 2) - Decreto CRESS n. 138 del 08-06-2020 Funding € 100.000,00 Total	23/06/2020 2022	Scientific Responsible Action C1
Italian Environmental Ministry fund	Scientific coordinator for the University of Genoa of the WP12 Piter on Board project "Technological Platform for High-Efficiency Energy Conversion of Waste "on board", in collaboration with Fincantieri, the University of Trieste, and the CNR of Naples.	2017-2018	Scientific Responsible WP12
European Bank for Reconstruction and Development	Scientific Responsible for UNIGE-CESISP: Call for Expressions of interest (CSU) European Bank for Reconstruction and Development (EBRD)" - 2011: Resource and Process Efficiency in Manufacturing Sectors Funding € 100.000,00 Total (UNIGE € 50.320,00)	01/07/2012 28/02/2013	Scientific Responsible
Bilateral cooperation Italy - Serbia	Scientific Responsible for UNIGE-CESISP (Team Leader): Call for Expression of Interest under the bilateral cooperation between the Italian Ministry for the Environment, Land and Sea and the Serbian Ministry of Environment and Spatial Planning -2009: AWMS methane recovery, Pik - Becej"	03/02/2010 03/11/2010	Scientific Responsible

	Funding € 30.000,00 Total (UNIGE € 10.000,00)		
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TEACHING OR RESEARCH POSITIONS (FELLOWSHIPS) AT FOREIGN UNIVERSITIES AND RESEARCH INSTITUTES

June 2018 Visiting Fellow

Research activity on Sustainability Engineering e System Design

Florida International University, FIU - Miami Beach Urban Studios) (Miami, USA)

EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

Member of the Editorial Board of the international journal "International Journal of Sustainable Development Research (IJS DR), Science Publishing Group, since 2016.

Member of the Editorial Board of the special issue of the international journal "Journal of Engineering," guest editor "Life Cycle Approach Applied to Circular Economy," Hindawi Publishing Corporation, 2016.

Member of the Editorial Board of the special issue of the international journal "Sustainability," guest editor "Climate Adaptation and Mitigation through Sustainable Energy Solutions," MDPI, 2020.

PARTICIPATION IN THE CREATION OF NEW BUSINESS ENTITIES (SPIN-OFFS), DEVELOPMENT, USE AND COMMERCIALISATION OF ACADEMIC PATENTS

Since 2018 Spin Off

CEO and co-founder of Tetis Institute S.R.L. - TEchniques for The Impact on Sustainability, Spin Off of the University of Genova. www.tetisinstitute.it

Tetis Institute Srl

Dal 2008 Deposito marchio

Trademark registration of eCO2care – CARBON ACCOUNT REGISTRY FOR CLIMATE NEUTRALITY

The trademark supports technology transfer in the field of voluntary CO₂ reduction project development. www.eco2care.org

eCO2Care Registry