Università di Genova

Francesco Faccini

Associate Professor
Scientific field *GEOS-03/A* 'Physical Geography and Geomorphology'
Qualified for the Full Professor position in Scientific field 04/A3 'Engineering Geology, Physical Geography and Geomorphology' (National Scientific Qualification, Call 2018–20)
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Education and training

March 1991
Laurea (four-year degree) in Geological Sciences, 110 e lode
University of Genoa

September 1991-December 1992
86th Course for Graduate Officer Cadets at the Italian Naval Academy, Livorno
First Assignment at the Coast Guard Direction, Genoa

November 1992
Professional qualification as a Geologist
University of Genoa

February-September 1993
Master's in Environmental Technician, Expert in Pollution Management, at the School of Business Organization and Management (SOGEA), Genoa

January 1994
Registration in the Regional Order of Geologists of Liguria
1994-2011: Professional Register; 2011-present: Special List

Gennaio 1998
Laurea (four-year degree) in Geography, 110 e lode
University of Genoa

October-November 2005
Recalled to active duty by order to attend a refresher and training course, assigned to survey landslide phenomena along the coastal area of the Genoa maritime district. Since 2012, enlisted in the Selected Reserve of the Italian Navy

Teaching experience

University teaching

Since the academic year 2003/2004, he has held university teaching courses in Bachelor's (L) and Master's (LM/LS) degree programs in Geological Sciences, Natural Sciences (School of Mathematical, Physical and Natural Sciences), and Geography (School of Social Sciences) at the University of Genoa. In detail, starting from the academic year 2025/2026:

a.a. 2025/2026
B.Sc. in Geological Sciences, Lecturer in Geomorphological Survey and Mapping (GEO/04, 4 ECTS)
M.Sc. in Geological Sciences, Lecturer in Geo-hydrological Hazards and Civil Protection (GEO/04, 8 ECTS)
M.Sc. in Geographical Sciences, Co-lecturer in Physical Geography, Geomorphology and Geotourism (GEO/04, 5 ECTS)
M.Sc. in Geographical Sciences, Lecturer in Experiences of Territorial Governance (GEO/04, 1 ECTS)

a.a. 2024/2025
B.Sc. in Geological Sciences, Lecturer in Geomorphological Survey and Mapping (GEO/04, 4 ECTS)
M.Sc. in Geological Sciences, Lecturer in Geo-hydrological Hazards and Civil Protection (GEO/04, 9 ECTS)
IANUA Higher School, Head of the First-Level Program in Sciences for Sustainability

a.a. 2023/2024
B.Sc. in Geological Sciences, Lecturer in Geomorphological Survey and Mapping (GEO/04, 4 ECTS)
M.Sc. in Geological Sciences, Lecturer in Geo-hydrological Hazards and Civil Protection (GEO/04, 9 ECTS)

a.a. 2022/2023
B.Sc. in Geological Sciences, Lecturer in Geomorphological Survey and Mapping (GEO/04, 4 ECTS)
M.Sc. in Geological Sciences, Lecturer in Geo-hydrological Hazards and Civil Protection (GEO/04, 9 ECTS)
M.Sc. in Geological Sciences, Co-lecturer in Teaching Methodologies and Technologies for Earth Sciences (GEO/04, 1 ECTS)
IANUA Higher School, Head of the First-Level Program in Sciences for Sustainability

a.a. 2021/2022
B.Sc. in Geological Sciences, Lecturer in Geomorphological Survey and Mapping (GEO/04, 4 ECTS)
M.Sc. in Geological Sciences, Lecturer in Geo-hydrological Hazards and Civil Protection (GEO/04, 9 ECTS)
M.Sc. in Geological Sciences, Co-lecturer in Teaching Methodologies and Technologies for Earth Sciences (GEO/04, 1 ECTS)
B.Sc. in Geological Sciences, Co-lecturer in Geomorphology (GEO/04, 6 ECTS)

a.a. 2020/2021
B.Sc. in Geological Sciences, Lecturer in Geomorphological Survey and Mapping (GEO/04, 4 ECTS)
M.Sc. in Geological Sciences, Lecturer in Geo-hydrological Hazards and Civil Protection (GEO/04, 9 ECTS)
M.Sc. in Geological Sciences, Co-lecturer in Teaching of Earth Sciences (GEO/03, 1 ECTS)

a.a. 2019/2020
B.Sc. in Geological Sciences, Co-lecturer in Geomorphology (GEO/04, 6 ECTS)
M.Sc. in Geological Sciences, Lecturer in Geomorphological Survey and Geo-hydrological Hazards (GEO/04, 9 ECTS)

a.a. 2018/2019
M.Sc. in Geological Sciences, Lecturer in Applied Geomorphology (GEO/04, 6 ECTS)

a.a. 2017/2018
M.Sc. in Geological Sciences, Lecturer in Applied Geomorphology (GEO/04, 6 ECTS)

a.a. 2016/2017
M.Sc. in Geological Sciences, Lecturer in Applied Geomorphology (GEO/04, 6 ECTS)

a.a. 2015/2016

M.Sc. in Geological Sciences, Lecturer in Applied Geomorphology (GEO/04, 6 ECTS)

a.a. 2014/2015
M.Sc. in Geological Sciences, Lecturer in Engineering Geology (GEO/05, 6 ECTS)

a.a. 2013/2014
M.Sc. in Geological Sciences, Lecturer in Engineering Geology (GEO/05, 6 ECTS)

a.a. 2012/2013
M.Sc. in Geological Sciences, Lecturer in Hydrogeology (GEO/05, 6 ECTS)
M.Sc. in Geological Sciences, Lecturer in Engineering Geology (GEO/05, 6 ECTS)

a.a. 2011/2012
M.Sc. in Geological Sciences, Lecturer in Applied Geomorphology (GEO/04, 6 ECTS)
M.Sc. in Geological Sciences, Lecturer in Engineering Geology (GEO/05, 6 ECTS)

a.a. 2010/2011
M.Sc. in Geological Sciences, Lecturer in Applied Geomorphology (GEO/04, 6 ECTS)
M.Sc. in Environmental and Geographic Sciences and Geographic Information Systems (GIS) for Sustainable Development, Lecturer in Applied Geomorphology (GEO/04, 6 ECTS)
M.Sc. in Natural Systems Sciences, Lecturer in Applied Geomorphology (GEO/04, 6 ECTS)

a.a. 2009/2010
M.Sc. in Geological Sciences, Lecturer in Applied Geomorphology (GEO/04, 6 ECTS)
B.Sc. in Geographical Sciences for Territory, Tourism and Cultural Landscape, Lecturer in Applied Cartography for Land and Environment (GEO/04, 6 ECTS)
B.Sc. in Geographical Sciences for Territory, Tourism and Cultural Landscape, Lecturer in Applied Geomorphology for Spatial Planning (GEO/04, 6 ECTS)

a.a. 2008/2009
B.Sc. in Geographical Sciences for Territory, Tourism and Cultural Landscape, Lecturer in Applied Cartography for Land and Environment (GEO/04, 6 ECTS)
B.Sc. in Geographical Sciences for Territory, Tourism and Cultural Landscape, Lecturer in Applied Geomorphology for Spatial Planning (GEO/04, 6 ECTS)

a.a. 2007/2008
B.Sc. in Applied Geographical Sciences, Lecturer in Elements of Geomorphology (GEO/04, 5 ECTS)
M.Sc. in Geographic Information Systems, Lecturer in Environmental Geology (GEO/04, 5 ECTS)

a.a. 2006/2007
B.Sc. in Applied Geographical Sciences, Lecturer in Elements of Geomorphology (GEO/04, 5 ECTS)
M.Sc. in Geographic Information Systems, Lecturer in Environmental Geology (GEO/04, 5 ECTS)

a.a. 2005/2006
B.Sc. in Applied Geographical Sciences, Lecturer in Elements of Geomorphology (GEO/04, 5 ECTS)
M.Sc. in Geographic Information Systems, Lecturer in Environmental Geology (GEO/04, 5 ECTS)

a.a. 2004/2005
B.Sc. in Geological Sciences, Lecturer in Elements of Geotechnics and Geomechanics (ICAR/07, 3 ECTS)

a.a. 2003/2004
B.Sc. in Geological Sciences, Lecturer in Elements of Geotechnics and Geomechanics (ICAR/07, 3 ECTS)

Other educational activities

– Teaching of '*Engineering Geomorphological Survey and Mapping in Urban Areas*' within the PhD Program in Sciences and Technologies for the Environment and Territory (STAT), curriculum 'Earth Sciences', 32nd cycle, at the Department of Earth, Environmental and Life Sciences (DISTAV), University of Genoa, accredited by the Italian Ministry of Education, Universities and Research (MIUR)

- Teaching of *'Urban Geomorphology. Landforms and Processes in Cities'* within the PhD Program in 'Sciences and Technologies for the Environment and Territory (STAT)' at the University of Genoa (from the 36th cycle to the present).
- L Lectures and practical classes in the course *Teaching of Earth Sciences* (6 ECTS) for the School of Mathematical, Physical and Natural Sciences, University of Genoa (academic years 2017/18, 2018/19, 2019/20).
- Lectures and practical classes in Physical Geography and Geomorphology (12 ECTS) for the B.Sc. in Geographical Sciences for Territory, Tourism and Cultural Landscape; in Physical Geography (5 ECTS) and Elements of General and Thematic Cartography (5 ECTS) for the B.Sc. in Applied Geographical Sciences; and in Geoarchaeology (5 ECTS) for the B.Sc. in Cultural Heritage Conservation (from academic year 2005/06 to 2010/11).
- Seminars on *'Urban Geomorphology: from Survey to Mapping'* and *'Geomorphological Hazards in the Metropolitan City of Genoa'* at the Department of Earth Sciences 'A. Desio', University of Milan, in the academic years 2017/18, 2018/19, 2019/20, 2020/21, and 2021/22, within the courses *'Methods of Ecosystem Analysis'* and *'Applied Geomorphology'* (Prof. I. Bollati; Prof. M. Pelfini).
- Lecturer in the refresher course for Environmental and Hiking Guides *"Telling Geology: Rocks and Landscape Landforms"*, University of Genoa (2012/2013)
- Lecturer in the Master's Program *"Environmental Safety Technologies, Expert in Risk Assessment"*, Construction School of Imperia (2011/2012)
- Lecturer in the First-Level University Master *"Design and Management of Tourist Territorial Systems"* (2006/2007; 2005/2006)
- Lecturer in the Postgraduate Course *"Management of Natural Assets in the Implementation of Environmental and Nature Conservation Legislation"* (2003/2004)

PhD Thesis Supervisor

Anna Roccati: *Geomorphological setting and slope instability phenomena between Mount Aiona, Mount Penna and Mount degli Abeti and the Gramizza Stream (Upper Aveto Valley, Ligurian Apennines)*, 23rd cycle. Winner of the *"David Giuntini" Award* for works in geomorphology and applied geology (STAT School, University of Genoa).
Alessandro Sacchini: *Geomorphological dynamics in the Upper Scrivia Valley (Ligurian Apennines) with special reference to deep-seated gravitational slope deformations*, 24th cycle. Winner of the *"David Giuntini" Award* for works in geomorphology and applied geology (STAT School, University of Genoa).
Ada Lucchetti: *Recent evolution and geomorphological hazard of high rocky coasts between Genoa Nervi and Camogli (Eastern Liguria)*, 25th cycle (STAT School, University of Genoa).
Silvia Torchio: *Geology and hydrogeology of the Sestri–Voltaggio Zone: a multidisciplinary approach aimed at hydrogeological mapping*, 26th cycle (STAT School, University of Genoa).
Andrea Ferrando: *Geological heritage and global changes*, 37th cycle (STAT School, University of Genoa).
Karim Lorenzo El Serefi: *Identification, analysis and mitigation of hydrogeological instability processes for the conservation and enhancement of the cultural and landscape heritage of the Upper Arroscia Valley*, 39th cycle, ongoing (SRV School, curriculum *Risk, Climate Change and Sustainable Development*, University of Genoa).

Supervisor of Bachelor's and Master's Theses

Supervisor of:
- 39 Master's Theses at the University of Genoa (*Environmental and Land Engineering, Environmental Sciences, Geographic Sciences, Geological Sciences*)
- 43 Bachelor's Theses at the University of Genoa (*Geographic Sciences, Geological Sciences*)
- 1 Master's Thesis at the University of Milan (*Geological Sciences*)

Co-supervisor of numerous Bachelor's and Master's Theses in Geographic Sciences and Geological Sciences.
Supervisor of 15 curricular internships for students in Geological Sciences at Research Institutes, Local Authorities, the Liguria Region, and private companies.

Scientific Research Activities

Scientific Coordinator of Research Projects

- Scientific supervisor of the activities of Dr. Andrea Mandarino, Fixed-term Researcher Type A (RTDA), scientific-disciplinary sector GEO/04, at the Department of Earth, Environmental and Life Sciences (DISTAV), within the framework of the PON "Research and Innovation" call, Ministerial Decree No. 1062/2021, GREEN Thematic Area, Contract 11-G-13748-1 (2022–2025).
- Leader of the research group for Project 4 "Technologies for advanced environmental monitoring and geo-hydrological hazard", composed of the University of Genoa (DICCA, DISTAV), CNR-IMATI and the CIMA Foundation, and coordinator of sub-project 4.3 "SLHIM (Slope Health Integrated Monitoring) for rainfall-induced landslides monitoring and susceptibility assessment" within the RAISE project "Robotics and AI for Socio-economic Empowerment" funded under the National Recovery and Resilience Plan (2023–ongoing).
- Scientific coordinator of the Operating Unit "University of Genoa" (Departments DISTAV, DICCA and DIBRIS) in the SFIDA project "Cliff Surveillance through Automated Drone Inspections", Regional ERDF Program 2021–2027, Priority 1 – Development and strengthening of the competitiveness and attractiveness of the Ligurian system, Action 1.1.1 – Call for support to the implementation of research and experimental development projects for companies associated with research and innovation clusters (2024–ongoing).
- Scientific coordinator of the Operating Unit "University of Genoa" (Departments DISTAV and DICCA) in the project "RAIN4UTILITY: Monitoring and forecasting the effects of rainfall events on urban drainage and slope stability to optimize the processes and services of multi-utilities", Regional ERDF Program 2021–2027, Priority 1 – Development and strengthening of the competitiveness and attractiveness of the Ligurian system, Action 1.1.1 – Call for support to the implementation of research and experimental development projects for companies associated with research and innovation clusters (2024–ongoing).
- Scientific coordinator of the advanced training intervention project related to the funding of research grants under Axis 3 'Education and Training', Regional Operational Programme – Liguria Region, European Social Fund 2014–2020, pursuant to Regional Government Resolution (D.G.R.) No. 422 of 13 June 2018. Project title: "Technologies for integrated monitoring and mitigation of geomorphological risk" (2019–2020).
- Scientific coordinator of the project "Integrated asset management in a context of geo-hydrological risk and climate change", funded under the PROJECT 4.0 call for research proposals for the 2020–2021 biennium by the AMGA Foundation.
- Scientific coordinator of the project "MIAGE: Geo-hydrological Monitoring of Ancient Genoa – Evolution of the urban geomorphological landscape through multimedia tools to enhance citizens' perception of geo-hydrological risk for Civil Protection purposes", funded by the 2021 Research Grant Call in the scientific area of the CARIGE Foundation.
- Scientific coordinator of the research unit "CNR-IRPI" and contact person for the Portofino Park Authority in the project "Horizon 2020 'Reconect' – Regenerating ECOsystems with Nature-based solutions for hydro-meteorological risk reduction" (2018–2023), which involved hydrogeological risk mitigation interventions in the two pilot catchments of San Fruttuoso and Paraggi (Metropolitan City of Genoa).
- Coordinator of the University Research Project (PRA) 2010 "Assessment of the intrinsic vulnerability of the karst aquifer of Bric Tampa (Ligurian Alps)".

Participation, organisation and coordination of research projects

- Participation in the research activities of the University of Genoa's research group in the National Research Project of Relevant Interest (PRIN) 2000 titled *"The touristic development of physical space as a way to environmental protection"*, coordinated by R. Terranova (Universities of Genoa, Turin, Milan, Sassari).
- Participation in the research activities of the University of Genoa's research group in the National Research Project of Relevant Interest (PRIN) 2002 titled *"Climate and geomorphological hazards in relation to tourism development"*, coordinated by M. Piccazzo (Universities of Genoa, Milan, Camerino, Turin).
- Participation in the research activities of the University of Genoa's research group in the National Research Project of Relevant Interest (PRIN) 2004 titled *"Geomorphological heritage as a resource for sustainable tourism"*, coordinated by M. Piccazzo (Universities of Modena and Reggio Emilia, Genoa, Urbino, Turin, Pavia, Milan, Camerino, Cagliari).

- Participation in the research activities of the University of Genoa's research group in the National Research Project of Relevant Interest (PRIN) 2022 titled *"GEOTRes – Geoheritage Threatening and Resilience: mapping the impact of geomorphic and human processes in sensitive morphoclimatic environments"*, coordinated by R.S. Azzoni (Universities of Milan, Genoa).
- Participation and coordination of the research activities of the Genoa University–CNR (IRPI Turin) research group with other national and international teams in the study of geo-hydrological hazards in the Mediterranean area (Universities of Turin, California State University - Fresno, University of Strasbourg, Charles University - Prague, Geological Survey of Canada, Marche Polytechnic University, University of Nottingham, Universities of Pisa, Modena and Reggio Emilia, Naples Federico II, Naples Parthenope, Milan, CESI S.p.A.—SIRF, IHE Delft Institute for Water Education).
- Participation and coordination of the national and international research group activities for the *special issue "Geomorphological Mapping in Urban Areas"* in *Journal of Maps* (Taylor & Francis Group) (P. Brandolini, M. Del Monte, F. Faccini, A. Mickiewicz, M. Smith, Z. Zwolinski), and on urban geomorphology in the Mediterranean area (Universities of Rome, Palermo, Naples, Patras-GR).
- Participation in University Research Projects (PRA):
  2007: "Stability analysis along the coast between Genoa and La Spezia", coordinator M. Piccazzo;
  2008: "Integrated monitoring for the analysis of deformations in large landslides in the Province of Genoa", coordinator M. Piccazzo;
  2011: "Proposal for an integrated model for the preventive assessment of soil erosion in Liguria", coordinator I. Rellini;
  2012: "Integrated assessment of geomorphological hazards associated with intense weather events in vulnerable areas of the Cinque Terre", coordinator I. Rellini;
  2013: "Proposal of an integrated model for the preventive evaluation of geomorphological and hydrogeological hazards in the San Fruttuoso basin (Portofino Park)", coordinator M. Firpo;
  2014: "Testing and validation of applied geomorphological mapping in the Ligurian coastal zone", coordinator P. Brandolini.
- Member of the research unit 'University of Genoa' (coordinator: Prof. Anna Palla, DICCA), coordinator of hydro-geomorphological aspects for the Municipality of Camogli and of scientific communication for the Portofino Park in the Interreg Maritime IT-FR project *"TRIG-EAU – Transboundary Resilience, Innovation & Governance for hydrogeological risk prevention"* (2017–2020), which involved the design and implementation of mitigation measures for hydrogeological risk on the slopes behind the San Fruttuoso Abbey complex in Camogli (GE).
- Member of the research unit 'University of Genoa' (coordinator: Prof. Anna Palla, DICCA), coordinator of hydro-geomorphological aspects for the Municipality of Camogli and of scientific communication for the Portofino Park in the Interreg Maritime IT-FR project *"Res-Eau – Strategic network for flood risk reduction through the use of green infrastructure and the creation of climate change–resilient and aware communities"*, which involved the design and implementation of a hydro-meteorological monitoring network and detection of the urban stormwater system in Camogli (GE).
- Member of the Scientific Committee of the Interreg Maritime IT-FR project *"ADAPT – Assisting the adaptation of urban systems to climate change in the cross-border area"*, as an expert in *Environmental Geology* (2017–2020).
- Member of the research unit 'University of Genoa' (contact person: Prof. Marco Ferrari), and referent for the dynamics of rocky coastal cliffs and the related pilot site in the Interreg Maritime IT-FR project *"AMIS – Advanced Monitoring Systems and Digital Twins for Coastal Safety and Resilience"* (2021–2027).
- Co-chair of the *Urban Geomorphology Working Group* of the IAG – International Association of Geomorphologists (https://www.geomorph.org/urban-geomorphology-working-group/

Responsibilities in Scientific Research Projects entrusted by Public/Private Institutions

- Municipality of Genoa – "Contract for scientific support in the implementation of Level 1 Seismic Microzonation activities in the Municipality of Genoa" (2023–ongoing)
- Liguria Region – "Specialist technical support for planning in the field of extractive activities and environmental sustainability" (2023–2025)
- Liguria Ricerche SpA – "In-depth activities within the specialist technical support assignment for planning in the field of extractive activities" (2022)
- Municipality of Sori – "Surveying, monitoring, collection, reporting and interpretation of data provided by the continuous monitoring system installed at the Sori cemetery" (2023–ongoing)
- Techcom srl – "Collaboration agreement with UniGE in support of the MAIA Project – Autonomous and Intelligent Monitoring of Remote Infrastructures", call for proposals Action 1.2.4 – Support for the

implementation of complex research and development projects for enterprises aggregated to Research and Innovation Clusters within the Regional Operational Programme (ROP) 2014–2020 of the Liguria Region, funded by the European Regional Development Fund (ERDF) (2022)
- Slope Geo Solutions Srl – "Collaboration agreement with UniGE in support of the MAIA Project – Autonomous and Intelligent Monitoring of Remote Infrastructures", call for proposals Action 1.2.4 – Support for the implementation of complex research and development projects for enterprises aggregated to Research and Innovation Clusters
- Municipalities of Frugarolo and Bosco Marengo (AL) – "Assessment of geo-hydrological hazard in areas potentially suitable to host the national radioactive waste repository and technology park AL-1 (Municipalities of Bosco Marengo and Novi Ligure, Province of Alessandria) and AL-2 (Municipalities of Frugarolo and Bosco Marengo, Province of Alessandria), as identified in the National Map of Potentially Suitable Areas" (2021)
- Municipality of Camogli – "Assessment of geomorphological hazard along the coastal strip between the Port and Cala dei Genovesi" (2021–2023)
- Municipality of Genoa, Department of Civil Protection and Volunteer Enhancement – project on "Risk perception among the population of the Municipality of Genoa", operational agreement with Distav and Disfor of UniGE (2021)
- Scientific coordinator of the collaboration agreement between the University of Genoa – Distav and the National Research Council, Institute for Geo-Hydrological Protection (CNR-IRPI), within the European Union's Horizon 2020 Project ID: 776866 Reconect "Regenerating ECOsystems with Nature-based solutions for hydro-meteorological risk reduction", lead partner IHE Delft Institute for Water Education (2018–2023)
- Liguria Ricerche SpA – "Studies and research aimed at drafting a geo-lithological and geological-environmental map preparatory to the new Quarry Activity Territorial Plan of the Liguria Region" (2017)
- University of Genoa, Building Development Area – "Geological, geomorphological, and hydrogeological study of the land on which the Genoa Botanical Garden is located, aimed at a better understanding of the fracture framework of the overlying structures" (2017–2020)
- Municipality of Ne, Liguria Region – "Geological, geomorphological and hydrogeological study of the Arzeno and Prato di Reppia landslides aimed at risk mitigation" (2016–2020)
- Municipality of Camogli – "Geological-technical monitoring of the area aimed at civil protection activities and planning of soil defense and environmental protection works" (2014)
- Olea Citrusque s.s. – "Detailed geological-technical studies and research on the landslide in Pedale ('Frana delle Gave') in the Municipality of Santa Margherita Ligure" (2012)
- Scientific coordinator for geomorphological aspects in the CARG research program "Geological Mapping of sheets at 1:25,000 scale nos. 212-1 (Tiglieto), 212-3 (Sassello) and 212-2 (Urbe)", components of the 1:50,000 Geological Sheet 212 Spigno Monferrato, with original surveys at 1:10,000 scale in sections 070 Pian Castagna, 110 Palo, 120 Urbe, 150 Mt. Beigua, 160 Lerca (Urbe), 040 Ortiglieto, 080 Tiglieto (Tiglieto), 050 Case Cornareto, 060 Mt. Acuto, 090 Mioglia, 100 Sassello, 130 Giusvalla, 140 Pontinvrea (Sassello) (2011–2012)
- Liguria Region – "Geological-environmental, geomorphological and hydrogeological studies and research related to the revision of karst areas in Liguria" (2011–2012)
- Municipality of Ne, Liguria Region – "Geological-environmental, geomorphological and hydrogeological studies and research related to the karst springs of the Upper Graveglia Valley (Ligurian Apennines) – 2nd phase" (2009)
- Portofino Natural Park – "Studies and research aimed at determining the hydrogeological balance of the San Fruttuoso Valley Basin (Camogli)" (2009)
- Municipality of Camogli – "Geological, geomorphological-applicative, hydrogeological and lithotechnical studies and research preparatory to the drafting of the new general urban planning instrument" (2007)
- Municipality of Ne, Liguria Region – "Geological-environmental, geomorphological and hydrogeological studies and research related to the karst springs of the Upper Graveglia Valley (Ligurian Apennines) – 1st phase" (2007)
- Municipality of Castiglione Chiavarese – "Geological and geomorphological-applicative studies and research aimed at verifying the stability of certain slope sectors in the hamlet of Campegli" (2007)
- Portofino Natural Park – "Study aimed at assessing landslide hazard from rapid debris flow along watercourses draining into the bay of San Fruttuoso di Camogli (Fosso dell'Alluvione, Vallone dei Fontanini, and Fosso di San Fruttuoso)" (2007)

- Val Petronio Mountain Community – "Geomorphological-applicative study aimed at determining geological hazard and risk of the rock wall above the large Lemeglio landslide in the Municipality of Moneglia" (2007)
- Municipality of Camogli – "Studies and research aimed at assessing geomorphological hazard affecting the historic municipal cemetery" (2007)
- Municipality of Santo Stefano d'Aveto – "Geological and geomorphological-applicative studies and research aimed at environmental impact assessment of new restoration works of ski lift facilities at Prato della Cipolla and Mt. Bue" (2006)
- Municipality of Camogli – "Geomorphological-applicative and geo-environmental studies and research aimed at environmental impact assessment of a new large sports complex in the Alega area" (2006)
- Municipality of Ne, Aveto-Graveglia-Sturla Mountain Community and Aveto Natural Park – "Enhancement of the Cà Freghé karst system and creation of the karst, naturalistic and educational itinerary in the Upper Graveglia Valley" (1998–2001)
- Since 2008, systematic technical and scientific consulting for geo-hydrological instability in the protected area of the Hanbury Botanical Gardens (La Mortola, Ventimiglia) on behalf of the University of Genoa's University Service Center for Hanbury Botanical Gardens.

Participation as Speaker at National and International Conferences

- II National AIGEO Conference *"Geomorphological Environment and Human Activities: Resources, Risks, Impacts"*, oral presentation: *"Geomorphological aspects in basin planning: the case of the floodplains of the Aveto stream (Ligurian Apennines)"*, Turin, March 28–30, 2007
- GEOITALIA 2007, Sixth Italian Forum of Earth Sciences, oral presentation: *"Correlations between historical settlements and geomorphological features of the Alpepiana landslide (High Aveto Valley, Liguria)"*, Rimini, September 12–14, 2007
- II International Symposium *"Mediterranean Coastal Monitoring: problems and measurement techniques"*, oral presentation: *"Geomorphological evolution and instability phenomena of the rocky cliffed coast between Bogliasco and Camogli (Ligurian Sea)"*, Naples, June 4–6, 2008
- National AIGEO Conference, oral presentation: *"Issues related to coastline evolution in the eastern sector of the Golfo Paradiso (Ligurian Sea)"*, Bari, September 29–October 2, 2008
- GEOITALIA 2009, Seventh Italian Forum of Earth Sciences, oral presentation: *"Geomorphological hazard and heavy rainfall: the 2007 flood event in the Recco stream catchment (Eastern Liguria)"*, Rimini, September 9–11, 2009
- Third Symposium *"Mediterranean Coastal Monitoring: problems and measurement techniques"*, oral presentation: *"Evaluation of rocky cliff stability: a proposal to modify Romana's SMR classification"*, Livorno, June 15–17, 2010
- GEOITALIA 2011, Eighth Italian Forum of Earth Sciences, oral presentations: *"Geomorphological hazards of a deep-seated gravitational slope deformation in the Internal Liguride ophiolites (Petronio Valley, Ligurian Apennines)"; "Environmental geology and karstic landforms: some examples in the Finalese area (Ligurian Alps, NW Italy)"*, Turin, September 19–23, 2011
- IV National AIGA Congress, oral presentation: *"Hydrogeological risk and riverbed dynamics in relation to human interventions: the case of the Bisagno stream in Genoa"*, Perugia, February 6–7, 2012
- 86th National Congress of the Italian Geological Society *"The Mediterranean: a geological archive between past and present"*, oral presentations: *"A large-scale landslide in the recently uplifted coastal area between Moneglia and Punta Rospo (Eastern Liguria, Italy)"; "Land management and planning in karst areas: the Ligurian case study (Italy)"*, Arcavacata di Rende, September 18–20, 2012
- Conference *"Dialogues on Landscape"* in memory of Lucilia Gregori, oral presentation: *"Geo-environmental and geomorphological aspects of the Ligurian winegrowing landscape"*, Perugia, February 19–22, 2013
- XXXIX Congress of the Italian Society of Biogeography *"Liguria: from the Apennines to the Alps… passing by the sea"*, keynote theme: *"Geodiversity and geological landscape of Liguria at the Apennine–Alpine junction"*, Genoa, May 29–31, 2013 (invited speaker)
- National Congress *"Karst Research in Italy"*, oral presentation: *"Karst areas of hydrogeological importance in Liguria"*, Frabosa Soprana (CN), June 22–23, 2013
- FIST GEOITALIA 2013, Ninth Forum of Earth Sciences, oral presentations: *"Integrated monitoring of an unstable rock slope along the western sector of the Portofino Promontory (Italy)"; "Double-sided DSGSD: a combined structural, geomorphological, engineering-geological and geophysical approach"*, Pisa, September 16–18, 2013

- International Association of Engineering Geology, XII Congress *"Engineering Geology for Society and Territory"*, oral presentation: *"Flash Flood Events and Urban Development in Genoa (Italy): Lost in Translation"*, Turin, September 14–19, 2014
- International Congress of Speleology in Artificial Cavities *"Hypogea 2015"*, oral presentation: *"An underground historical quarry in the Hanbury Botanical Gardens of Ventimiglia (Italy)"*, Rome, March 11–17, 2015
- V National AIGA Congress, oral presentation: *"The November 10, 2014 flash-flood event in Chiavari city (Eastern Liguria, Italy)"*, Cagliari, April 29–30, 2015
- XXII National Congress of Speleology – Euro Speleo Forum 2015 *"Sharing Data"*, oral presentation: *"Karst areas of hydrogeological, environmental and landscape importance in Liguria (Italy)"*, Pertosa-Auletta (SA), May 30–June 2, 2015
- EUGEO 2015 International Congress, oral presentation: *"Hazard assessment and risk management of San Rocco and Mortola landslides (Portofino Natural Park, Italy)"*, Budapest (Hungary), August 31–September 2, 2015
- International Workshop on Urban Geomorphological Heritage, oral presentation: *"Geomorphology in urban coastal environment: a case study from Rapallo city (Liguria, Italy)"*, Rome, October 27–29, 2016
- XXXIV Environment Day, National Academy of the Lincei, Conference *"Strategies for Adaptation to Climate Change"*, oral presentation: *"Change in rainfall regime and increased flash flooding in Genoa metropolitan area (Italy)"*, Rome, November 8, 2016
- Sixth EUGEO Congress on Geography, oral presentations: *"Geo-hydrological hazard underlined by toponymy of Italian Military Geographical Institute maps at 1:25,000 scale. Contributions to the knowledge of floodplain and hillslope dynamics"; "Man-made activities and morphological changes of Ligurian floodplains (Italy) from modern history to the present: an approach through comparison of old maps"*, Brussels, September 4–6, 2017
- 9th International Conference on Geomorphology, KEY LECTURE: *"Evaluating land use changes and geo-hydrological response in small Mediterranean catchments with outstanding cultural and natural values"*, Session S24 *"Geomorphology and Allied Disciplines: Mutual Contributions for the Progress of Integrated Environmental and Disaster Studies"* (conveners I. Alcántara-Ayala, M. Soldati), oral presentations: *"Man-made landforms and geodiversity within old Genoa city (Italy): a unique and complex geomorphological landscape in the Mediterranean area"; "Geomorphological changes due to anthropic activity in the highly urbanized floodplains of small Ligurian Mediterranean basins (Italy)"*, New Delhi, India, November 6–11, 2017
- SGI-SIMP Congress, oral presentation: *"Genoa 'the Superba' old city – UNESCO World site – geomorphological heritage"*, Catania, September 12–14, 2018
- IX National Congress on Speleology in Artificial Cavities (online), oral presentation: *"Artificial cavities in the Portofino Park (Liguria, Italy): identification, survey and classification"*, Palermo (online), March 20, 2020
- EGU General Assembly 2020 (online), oral presentation: *"Hydro-meteorological monitoring activities in Portofino Natural Park (Italy) as demonstrator of the H2020 Reconect project: preliminary results"*, Vienna (online), May 4–8, 2020
- EGU General Assembly 2021 (online), oral presentation: *"Nature-Based Solutions for geo-hydrological risk reduction: the Portofino Park (Italy) experience in the H2020 RECONECT project"*, Vienna (online), April 10–30, 2021
- SGI-SIMP Congress, oral presentation: *"Survey and inventory of artificial cavities in the historical centre of Genoa (Italy): a contribution to the development of an experimental Underground Master Plan"*, Turin, September 19–21, 2022
- 9th EUGEO Congress on Geography, oral presentations: *"Culverted rivers in the historic center of Genoa (Italy) as an emblematic case of human pressure and fluvial landscape changes"; "Recent and historical maps as a tool to identify flood-prone zones and the riskiest urbanized areas along the Mediterranean floodplains"*, Barcelona, September 4–7, 2023
- International Congress of Speleology in Artificial Cavities *"Hypogea 2023"*, oral presentation: *"Artificial cavities and georisk assessment: the case of 'Le Strade Nuove and the System of the Palazzi dei Rolli' UNESCO World Heritage Site in Genoa (Italy)"*, Genoa, September 29–October 1, 2023
- SGI-SIMP Congress, oral presentation: *"The contribution of toponyms to geomorphological hazard: hillslope processes and landslides highlighted by the Italian Military Geographical Institute maps at 1:25,000 scale"*, Bari, September 3–5, 2024
- XXXIX Congress of the Italian Society of Biogeography *"Liguria: from the Apennines to the Alps... passing by the sea"*, keynote theme: *"Geodiversity and geological landscape of Liguria at the Apennine–Alpine junction"*, Genoa, May 29–31, 2013

- Conference of the Amalfi Coast Cultural and Historical Center *"Floods and landslides in the Amalfi Coast: risks and risk mitigation 100 years after the disaster of March 26, 1924"*, oral presentation: *"A useful comparison: three centuries of flood events in Genoa between climate change and human impact"*, Amalfi, April 6–7, 2024 (invited speaker)
- International Conference *"De utilitate fontium: documentary sources and new technologies for the management of natural and cultural risks"*, oral presentation: *"Participatory digital mapping, geohistorical sources and urban geomorphology: the MIAGE project in the Municipality of Genoa"*, Verona, April 15–16, 2025 (invited speaker)
- *Borgio Subterranea – VIII Meeting of Ligurian Speleology "Divenire"*, oral presentation: *"Artificial cavities in the geomorphological urban landscape of the San Martino Hospital Complex and University Campus in Genoa"*, Borgio Verezzi (SV), April 4–6, 2025
- 1st Workshop of the International Association of Geomorphologists Working Group on Urban Geomorphology *"Geomorphology, geodiversity, and geosites in urban areas"*, oral presentation: *"Geomorphological analysis of urban landscape: a case from the Hospital Complex and University Campus in the San Martino district, Genoa city (Italy)"*, Kraków (Poland), May 12–15, 2025
- 10th EUGEO Congress *"Geographies of a Changing Europe"*, oral presentation: *"Identification and classification of physical and human geography toponyms in the Antola Natural Park (Ligurian Apennines)"*, Vienna, Austrian Academy of Sciences, September 8–11, 2025
- Study Day "Geodiversity and Geological Heritage in Urban Areas" organized by Sigea and ProGEO, with the oral presentation *"Geological Heritage in the Urban Ecosystem of the Historic Center of Genoa"*, Rome, October 6, 2025 (invited speaker).
- Conference "A Vertical Eden: Parks of Liguria, Thirtieth Anniversary of Regional Law No. 12/1995 on the Reorganization of Protected Areas" organized by the Liguria Region (Directorate General for Agriculture, Protected Areas and Nature), with the oral presentation *"The Geological Heritage of Protected Areas: Between Promotion and Protection"*, Genoa, October 11, 2025 (invited speaker)

Participation in Editorial Boards of Scientific Journals

- Editorial Board Member of *Disaster Advances* journal (E-ISSN 2278-4543), 2016–2019
- Editorial Board Member of *Journal of Mountain Science (JMS)* (Springer), 2016–present
- Editorial Board Member for the Special Issue *"Urban Geomorphology"* of *Journal of Maps* (Taylor & Francis Group), 2019–2020
- Editorial Board Member of *Sustainability* (MDPI), since 2019 – Special Issue: *"Geomorphological Research for Management and Mitigation of Geo-hydrological Risk and Environmental Sustainability"*
- Section Board Member of *Land* (MDPI), 2023–present
- Reviewer for the journal: Applied Sciences (MDPI), Brazilian Journal of Water Resources, City and Enviroment Interactions (Elsevier), Engineering Geology (Elsevier), Entropy (MDPI), Environmental Earth Sciences (Springer), Geografia Fisica e Dinamica Quaternaria, Geoheritage (Springer), Geographies (MDPI), Geomorphology (Elsevier), Geosciences (Reviewer Board, MDPI), Hydrogeology Journal (Springer), Hydrology (MDPI), International Journal of Disaster Risk Reduction (Elsevier), ISPRS International Journal of Geo-Information (MDPI), International Journal of Environmental Research and Public Health (MDPI), Journal of Environmental Management (Elsevier), Journal of Maps (Taylor & Francis), Journal of Marine Science and Engineering (MDPI), Journal of Mountain Science, Journal of Risk Research (Taylor & Francis), Land (MDPI), Natural Hazard (Springer), Regional Environmental Change (Springer), Remote Sensing (MDPI), Rendiconti on-line della Società Geologica Italiana, Science of the Total Environment (Elsevier), Sensors (MDPI), Studi Costieri, Sustainability (MDPI), Water (MDPI)

Organization of National and International Conferences and Symposia as Chair of the Local Organizing Committee or Member of the Scientific Committee

- Organization of the workshop on Karst Hydrogeology at DiSTAV, University of Genoa (2013)
- Organization of the workshop on Complex Grounds *BIM-soil, BIM-rock* at DiSTAV, University of Genoa (2014)
- Member of the Scientific Committee of the National Conference *"Geo-hydrological hazards and land management in Italy"* organized by CNR-IRPI, SIGEA and AII, Rome (2011)
- Chairperson of session D2 *"Environmental geology for sustainable development in Italian hilly areas"* at the National GeoItalia Conference, Turin (2011)

- Chairperson of session 3.4.a *"Historical documents and old maps as a tool to identify hazardous areas due to geo-hydrological processes"* at the 6th Eugeo Congress, Brussels (2017)
- Member of the Scientific Committee of the National Conference *"Analysis and mitigation activities of geo-hydrological processes in Italy"* organized by SIGEA and Fondazione Inarcassa, Rome (2019)
- General Co-organizer, Member of the Scientific Committee, Co-editor of the conference proceedings of Hypogea 2023, and Chairperson of the session *"Artificial cavities as a possible factor of geological risk"* at the International Congress of Speleology in Artificial Cavities, Genoa, September 29 – October 1, 2023
- Chairperson of session S13 *"Geomorphology in the Anthropocene: from human-landscape interaction to geoheritage and geohazard management issues"* at SGI-SIMP Conference *"Geology for a sustainable management of our Planet"*, Bari, September 3-5, 2024
- Chairperson of session VI *"Comunicatio periculi. Risk and Communication"* at the Conference *"De utilitate fontium: documentary sources and new technologies for the management of environmental and cultural risks"*, PRIN2020 Fontes, Verona, April 15-16, 2025
- Member of the Scientific Committee and Chairperson at the *1st Workshop of the International Association of Geomorphologists Working Group on Urban Geomorphology – "Geomorphology, geodiversity, and geosites in urban areas"*, Kraków, Poland, May 12-15, 2025
- Chairperson of session *"175: Physical geography toponyms: a friendly tool for a better comprehension of the geomorphological landscape"* at the 10th Eugeo Congress, Vienna, September 8-11, 2025
- Chairperson of session *"Anthropogenic geomorphology: Identification, quantitative assessment and mapping of anthropogenic landforms in urban areas"* at the 11th IAG International Conference on Geomorphology, Christchurch, New Zealand, February 2-6, 2026

Awards for Research Activities

- Winner of the *Annual Individual Funding for Basic Research Activities (FFABR) 2017*, awarded by ANVUR and MIUR pursuant to Art. 1 of Law No. 232 of December 11, 2016 (Official Gazette No. 297 of 21-12-2016 – Ordinary Supplement No. 57)
- *"One-off Incentive"* granted by the University of Genoa pursuant to Art. 29 of Law 240/2010 (2011 and 2013)
- *"Performance-based Research Fund Allocation"* (*Quota premiale*) awarded by the University of Genoa, DiSTAV (2015, 2016, 2018, 2019)

Research Activities at Foreign Universities

Visiting Scientist at the *University of Nottingham (UK) – School of Geography* (Prof. Charles Watkins, Dr. Pietro Piana) in February–March 2008, with short stays in January and August 2017, and August 2018.
Teaching and research activities were carried out within the framework of the Leverhulme Trust research project on:
i) *Landscape changes and increased floods in significantly urbanized catchments in the Mediterranean area*;
ii) *Landscape of the Portofino Park area: human geography and physical geography.*
Publications and outputs:
i) Piana P., Faccini F., Luino F., Paliaga G., Sacchini A., Watkins C. (2019). *Geomorphological Landscape Research and Flood Management in a Heavily Modified Tyrrhenian Catchment. Sustainability*, 11, 4594.
ii) University of Nottingham Repository link

Affiliation to Scientific Societies and Public Institutions' Registers

- Italian Association of Physical Geography and Geomorphology (AIGeo) – Regional representative for Liguria; member of the Board of Auditors
- Italian Association of Applied and Environmental Geology (AIGA)
- Italian Society of Environmental Geology (SIGEA) – President of the North-Western Section (2017–2020)
- Italian Speleological Society – Member of the Artificial Cavities Commission
- Underground Studies Center, Genoa – Scientific Director
- Register of Experts in Landscape Matters of the Liguria Region. Currently member of the Local Landscape Commission (CLP) of the municipalities' consortium Borzonasca–Mezzanego, Cogorno–Ne and Rapallo. Previously member of the CLPs of the municipalities of Santa Margherita Ligure,

Lavagna, of the consortium “Valli dell’Entella” (Borzonasca–Mezzanego–Ne), “Terre Verticali” (Monterosso, Riomaggiore, Pignone and Riccò del Golfo), and Cicagna–Coreglia Ligure–Orero
- Italian Alpine Club (CAI) – Member of the Scientific Committee Liguria–Piedmont–Aosta Valley (2010–2013)
- Special Register of the Regional Order of Geologists of Liguria – Member of the Board (2013–2017)
- Register of Technical Consultants and Experts of the Court of Genoa

Scientific Production

The research activity, consisting of more than 300 scientific outputs, is carried out along the following lines of investigation: identification and management of geo-hydrological hazards; monitoring of geomorphological processes and assessment of related risks; geomorphological mapping for territorial and urban planning; research and promotion of geosites, geodiversity, and geological heritage, with particular attention to protected areas.

SELECTION OF THIRTY ARTICLES

Coratza P., Bollati I.M., Panizza V., Brandolini P., Castaldini D., Cucchi F., Deiana G., Del Monte M., Faccini F., Finocchiaro F., Gioia D., Melis R., Minopoli,C., Nesci O., Paliaga G., Pennetta M., Perotti L., Pica A., Tognetto F., Trocciola A., Valentini L., Giardino M., Pelfini M. (2021) - *Advances in Geoheritage Mapping: Application to Iconic Geomorphological Examples from the Italian Landscape*. Sustainability, 13, 11538. https://doi.org/10.3390/su132011538

Ferrando A., Faccini F., Paliaga G., Coratza P. (2021) - *A Quantitative GIS and AHP Based Analysis for Geodiversity Assessment and Mapping*. *Sustainability*, *13*, 10376. https://doi.org/10.3390/su131810376

Faccini F., Luino F., Paliaga G., Roccati A., Turconi L. (2021) - *Flash Flood Events along the West Mediterranean Coasts: Inundations of Urbanized Areas Conditioned by Anthropic Impacts*. Land, *10*, 620. https://doi.org/10.3390/land10060620

Ferrando A., Faccini F., Poggi F., Coratza P. (2021) - *Geosites Inventory in Liguria Region (Northern Italy): A Tool for Regional Geoconservation and Environmental Management*. Sustainability 2021, *13*, 2346. https://doi.org/10.3390/su13042346

Roccati A., Paliaga G., Luino F., Faccini F., Turconi L. (2021) - GIS-Based Landslide Susceptibility Mapping for Land Use Planning and Risk Assessment. *Land* , *10*, 162. https://doi.org/10.3390/land10020162

Roccati A., Paliaga G., Luino F., Faccini F., Turconi L. (2020) - Rainfall Threshold for Shallow Landslides Initiation and Analysis of Long-Term Rainfall Trends in a Mediterranean Area. *Atmosphere*, *11*, 1367. https://doi.org/10.3390/atmos11121367

Paliaga G., Luino F., Turconi L., De Graff J.V., Faccini F. (2020) – *Terraced landscapes on Portofino Promontory (Italy): identification, geo-hydrological hazard and management.* Water, 12(2), 435

Turconi L., Faccini F., Marchese A., Casazza M., Paliaga G., Vojinovic Z., Luino F. (2020) – *Implementation of nature-based solutions for hydro-meteorological risk reduction in small Mediterranean catchments: the case of Portofino Natural Park, Italy*. Sustainability, 12(3), 1240

Brandolini P., Cappadonia C., Luberti G.M., Donadio C., Stamatopoulos L., Di Maggio C., Faccini F., Stanislao C., Vergari F., Paliaga G., Agnesi V., Alevizos G., Del Monte M. (2020) - *Geomorphology of the Anthropocene in Mediterranean urban areas*. Progress in Physical Geography, 44(4), 461-494.

Coratza P., Vandelli V., Fiorentini L., Paliaga G., Faccini F. (2019) - *Bridging Terrestrial and Marine Geoheritage: Assessing Geosites in Portofino Natural Park (Italy).* Water, 11, 2112

Roccati A., Faccini F., Luino F., Ciampalini A., Turconi L. (2019) - *Heavy Rainfall Triggering Shallow Landslides: A Susceptibility Assessment by a GIS-Approach in a Ligurian Apennine Catchment (Italy).* Water, 11 (3), 605.

Roccati A., Faccini F., Luino F., De Graff J., Turconi L. (2019) - *Morphological changes and human impact in the Entella River floodplain (Northern Italy) from the 17th century*. Catena, 182, 104122.

Acquaotta F., Faccini F., Fratianni S., Paliaga G., Sacchini A., Vilìmek V. (2019) – *Increased flash flooding in Genoa Metropolitan Area: a combination of climate changes and soil consumption?* Meteorology and Atmospheric Physics, 131(4), 1099-1110.

Paliaga G., Faccini F., Luino F., Turconi L. (2019) - *A spatial multicriteria prioritizing approach for geohydrological risk mitigation planning in small and densely urbanized Mediterranean basins*, Nat. Hazards Earth Syst. Sci,19, 53-69.

Roccati A., Luino F., Turconi L., Piana P., Watkins C., Faccini F. (2018) - *Historical geomorphological research of a Ligurian coastal floodplain (Italy) and its value for management of flood risk and environmental sustainability*. Sustainibility, 10, 3727.

Brandolini P., Faccini F., Paliaga G., Piana P. (2018) - *Man-Made landforms survey and mapping of an urban historical centre in a coastal Mediterranean environment.* Geogr. Fis. Din. Quat., 41, 97-102.
Faccini F., Luino F., Paliaga G., Sacchini A., Turconi L., de Jong C. (2018)- *Role of rainfall intensity and urban sprawl in the 2014 flash flood in Genoa City, Bisagno catchment (Liguria, Italy)*, Applied Geography, 98, 224-241.
Faccini F., Paliaga G., Piana P., Gabellani, Angelini S., Coratza P. (2018) – *The Geoheritage map of the Portofino Natural Park (Italy) as a tool for the management of a highly frequented protected area*. Journal of Maps, 14(2), 87-96.
Acquaotta F., Faccini F., Fratianni S., Paliaga G., Sacchini A. (2018) – *Rainfall intensity in the Genoa Metropolitan Area (Northern Mediterranean): secular variations and consequences*. Weather, 73(11), 356-362.
Brandolini P., Faccini F., Paliaga G., Piana P. (2017) – *Urban geomorphology in coastal environment: man made morphological changes in a seaside tourist resort (Rapallo, eastern Liguria, Italy).* Quaestiones Geographicae 36(3), 73-87.
Faccini F., Paliaga G., Piana P., Sacchini A., Watkins C. (2016) - *The Bisagno stream catchment (Genoa, Italy) and its major floods (1822, 1970 and 2014): geomorphic and land use variations in the last three centuries.* Geomorphology, 273, 14-27.
Faccini F., Luino F., Sacchini A., Turconi L. (2015) – *Flash Flood Events and Urban Development in Genoa (Italy): Lost in Translation.* In: Engineering Geology for Society and Territory – Volume 5 (G. Lollino et al. eds.), Springer International Publishing Switzerland 2015, 797-801.
Faccini F., Luino F., Sacchini A., Turconi L., De Graff J. (2015) - *Geo-hydrological hazard and urban development in the Mediterranean area: an example from Genoa city (Italy*). Natural Hazard and Earth System Science, 15, 2451-2492.
Sacchini A., Faccini F., Ferraris F., Firpo M., Angelini S. (2015) - *Large-scale landslide and Deep-Seated Gravitational Slope Deformation of the Upper Scrivia Valley (Northern Apennine, Italy*). Journal of Maps, 12(2), 344-358.
Sacchini A., Ferraris F., Faccini F., Firpo M. (2012) - *Environmental climatic maps of Liguria.* Journal of Maps,
Faccini F., Piccazzo M., Robbiano A. (2009) – *Natural hazards in San Fruttuoso of Camogli (Portofino Park, Italy): a case study of a debris flow in a coastal environment*. Bollettino della Società Geologica Italiana (It. Jour. Geol.), 128, 3, 641-654.
Faccini F., Piccazzo M., Robbiano A., Roccati A. (2008)– *Applied Geomorphological Map of the Portofino municipal territory (Italy).* Journal of Maps, 4(1), 451-462.
Brandolini P., Faccini F., Robbiano A., Terranova R. (2007) - *Geomorphological hazard and monitoring activity along the western rocky coast of the Portofino Promontory (Italy*). Quaternary International, 171/172, 131-142.
Brandolini P., Faccini F., Piccazzo M. (2006) - *Geomorphological hazard and tourist vulnerability along Portofino Park trails (Italy).* Natural Hazard and Earth System Sciences, 6, 563-571.
Cimmino F., Faccini F., Robbiano A. (2004) - *Stones and coloured marbles of Liguria in historical monuments.* Per. Mineral., 73 (Special Issue 3: a showcase of the Italian research in applied petrology), 71-84.

Managerial, Organizational, Service, and Third-Mission Activities

Academic and Institutional Responsibilities and/or Service

- Rector's Delegate for geological assessments and hydrogeological risk mitigation (Rectoral Decree No. 2724 of 9.6.2023). In this role, in collaboration with the Health Surveillance and Risk Assessment Service, prepared the specific training course on weather alerts, organized meetings with Civil Protection on risks related to extreme weather events, presented activities at the Department of Civil Protection's Observatory of Best Practices, and developed the tool on the hydraulic and geomorphological risk level of UniGE buildings.
- Member of the University Risk Management Committee (Rectoral Decree No. 2724 of 9.6.2023).
- Member of the Board of Directors of the University Service Center "Hanbury Botanical Gardens Service Center (GBH&HBG)" (Rectoral Decree No. 6129 of 20.12.2023).
- Member of the Technical-Scientific Committee of the strategic University Center "Safety, Risk, and Vulnerability Center," representing the Department of Earth, Environment and Life Sciences. Collaborated in designing and organizing the *inVulnerabilia* Festival – For a Culture of Vulnerability, 2024 edition ("Hydrogeological Risk and Climate Change: Alerting and Emergency Management") and 2025 edition ("What Risks Are We Exposed To and How to Face Them").
- Head of Quality Assurance for the Department (Rectoral Decree No. 6102 of 20.12.2023).
- DISTAV Delegate in the National Association of Italian Municipalities (ANCI) – Liguria.
- Member of the Scientific Committee of the Contamination Lab (C/Lab) 2024/2025 edition, organized by the Research Valorization, Technology Transfer, and Industry Relations Sector of the University of Genoa.
- Scientific Coordinator for UniGE of the Framework Agreement between the University of Genoa and the CIMA International Center for Environmental Monitoring Foundation.
- Member of the University Building Commission (2019–2021).
- Member of the University working group "Ponte Morandi."
- Member of the Joint Committee of the School of MFN Sciences for the Bachelor's and Master's Programs in Earth Sciences (2017–2019; 2019–2021).
- Member of internal commissions of the Earth Sciences degree programs (Orientation, Communication and External Relations, Teaching, Quality Assurance).
- Member of the Scientific Committee of DiSTAV for the disciplinary sector 04/A3 (2012–2014).
- Secretary of the Geography Degree Program and representative of the Geography Programs in the Faculty Orientation Committee (academic years 2005/2006 to 2009/2010).

Participation in Doctoral Program Faculty Boards

- Member of the faculty board of the PhD program in Environmental and Territorial Sciences and Technologies (STAT), Earth Sciences curriculum, at the Department of Earth, Environment, and Life Sciences (DISTAV), University of Genoa, XXVII cycle.
- Member of the faculty board 2019, XXXV cycle. University of Genoa, "Environmental and Territorial Sciences and Technologies (STAT)," accredited by MIUR, academic year 2019/2020.
- Member of the faculty board 2020, XXXVI cycle. University of Genoa, "STAT," academic year 2020/2021.
- Member of the faculty board 2021, XXXVII cycle. University of Genoa, "STAT," academic year 2021/2022.
- Member of the faculty board 2022, XXXVIII cycle. University of Genoa, "STAT," academic year 2022/2023.
- Member of the faculty board 2023, XXXIX cycle. University of Genoa, "STAT," academic year 2023/2024.
- Member of the faculty board 2024, XL cycle. University of Genoa, "STAT," academic year 2024/2025.
- Member of the faculty board 2025, XLI cycle. University of Genoa, "STAT," academic year 2025/2026.
- Member of the selection committee for comparative evaluation of candidates for admission to the PhD program "STAT," Earth Sciences curriculum, XXVI, XXVIII, XXIX cycles.
- Member of the selection committee for comparative evaluation of candidates for admission to the PhD program "Safety, Risk, and Vulnerability (SRV)," Risk, Climate Change, and Sustainable Development curriculum, XXIX cycle.
- Chair of the PhD Examination Committee in "Earth Sciences" – XXXII Cycle, University of Turin (Decree No. 1730/2020).
- Chair of the PhD Examination Committee in "Earth Sciences" – XXIX Cycle, University of Turin (Decree No. 2862/2017).
- Member of the PhD Examination Committee in "Environmental Engineering" – XXIX Cycle, Politecnico di Torino (Decree No. 326/2017).

- Member of the PhD Examination Committee in “Earth Sciences” – XXVII Cycle, University of Turin (Decree No. 315/2015).
- Member of the PhD Examination Committee in “Earth Sciences” – XX Cycle, University of Turin (Decree No. 8446/2007).

Other Managerial Activities

- Chair of the Provisional Management Committee of the Portofino National Park (MiTE Decrees No. 332/2021 and 434/2021).
- Member of the Portofino Regional Natural Park Community, representing the University of Genoa (2011–2014; 2015–2019; 2020–present).
- Member of the Council of the Portofino Regional Natural Park (2011–2014; 2015–2019).
- Vice-Chair of the Council of the Portofino Regional Natural Park (2021–present), appointed by the President of the Liguria Region (Decree No. 4051/2021).
- Member of the Reserve Commission of the Portofino Marine Protected Area (MATTM Decree No. 190/2018).
- Member of the Antola Regional Natural Park Community, representing the University of Genoa (2024–present).
- Member of selection committees for technical/research positions at CNR-IRPI (2018, 2024) and CNR-IMATI (2024), and municipal geologist positions in La Spezia (2012).
- Member of University Orientation Commissions for candidate selection in the “Bring Your Degree to the Company” project (2008, 2024).
- Full member of state examination committees for professional licensure as Geologist, University of Genoa (2000; 2003; 2021; 2022 President; 2024 President).

Third-Mission Activities

As a member of the internal commissions of the Earth Sciences degree program in Orientation and Communication & External Relations, and previously as Orientation Coordinator for the Geography degree program, since 2005 has regularly conducted:

- Seminars in high schools, particularly on Geology & Society topics (Water Resources, Urban Geology, Geological Hazards, Climate Change, Anthropocene, Geoscience Communication), including: “Urban Geomorphology and Historical Iconography” as part of the “Art & Science across Italy” project (organized by INFN and CERN, Geneva) for grades II, IV, and V of the Klee Barabino State Art High School, Genoa; “The Role of the Geologist in Civil, Criminal, and Administrative Proceedings” as part of the Criminology Course 2023–2024 at DISTAV, University of Genoa, for high school teachers.
- Seminars on hydrogeological instability and natural hazards at the G. Doria Museum of Natural Sciences, Genoa, Italian Alpine Club sections, and municipal administrations (Civil Protection, Genoa).
- Dissemination of degree programs at Orientation Fairs, Open Day, and Open Week events.
- Scientific outreach in Ligurian regional natural parks.

Other activities include:

- Designing and coordinating promotional videos for the Earth Sciences programs and UniGE Stories (Giorgia Lavagnino, Geologist), available on YouTube.
- Organizing the conference “Molare 1935–2015: The Forgotten Vajont of the Ligurian Alps,” with a technical visit to the Molare dam, Ovada (AL) (2015).
- Serving as scientific coordinator for projects at the Genoa Science Festival (2015, 2016).
- Organizing commemorative events and field visits for major historical geological hazards in Genoa (2018, 2020).
- Outreach lectures at the ANISN Congress for the 40th anniversary “Natural Risks and Humans” (Aosta, 2019).
- Teaching in UniGE Senior (formerly UniGE Third Age) on Environmental and Applied Geomorphology (2011–present) and in the Faculty of Letters (2006–2011).
- Participation in Suq Festival 2025 for UniGE Sustainability Sector (“ECOSUQ WORLDS IN TRANSIT: Climate and Human Changes”).
- Participation in the Camogli Communication Festival 2023 (“Memories of the Earth”) and 2024 (“UNIGE-INFN Liguria: Rural and Mountain Villages – Architecture and Sustainable Bioarchitecture”).