



Dipartimento di
Scienze della Terra

**UNIVERSITÀ
DI TORINO**

**SHORT CURRICULUM VITAE
Andrea FESTA**

Dipartimento di Scienze della Terra – Università degli Studi di Torino
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Education and Academic history

1996, Degree in Geological Sciences, University of Torino, Italy.
2000, Ph.D. in Earth Sciences, University of Genova, Italy.
1999, 2001, Research contract, University of Catania, Italy.
2000-2001, Research contract, University of Torino (Italy), and ENI E&P oil company.
2001-2004, Researcher, National Research Council (CNR-IGG, Torino, Italy).
2004-2015, Researcher (Tectonics and Structural Geology), University of Torino (Italy),
and consultant (2005-2008) of National Research Council (CNR-IGG).
2009, Visiting Professor at the Miami University, Oxford, OH (USA).
2011, Visiting Professor at the Miami University, Oxford, OH (USA).
2015-2024, Associate Professor (Tectonics and Structural Geology), University of Torino
(Italy).
2017, National Scientific Qualification (Idoneity) as Full Professorship in Structural
Geology
2017-2022, Coordinator of the IUGS Task Group on GeoHazards
2019 –to present, Steering Committee of the International Association of Gondwana
Research (IAGR, China University of Geosciences Beijing, China).
2022-to present, affiliated scientists to National Research Council of Italy (CNR-IGG).
2022, Elected Fellow of the Geological Society of America (GSA), USA.
2024, Full Professor (Tectonics and Structural Geology), University of Torino (Italy).

Scientific background, and ongoing research

Tectonics and Structural Geology, including regional tectonics, field mapping, structural and stratigraphic studies in orogenic belts of different ages (from Paleozoic to Cenozoic, and exhumed subduction-accretionary wedges in different part of the World (Alps and Apennines in Italy, Circum-Mediterranean Region, Cantabria Zone in Spain, Appalachians and Sierra Nevada in USA, Andean Precordillera in Argentina). The main subjects of my research are:



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Mélange and mélange forming processes with particular interest addressed to document and define (i) the relationships between different mélange types, and geodynamic setting in which they formed; (ii) the criteria helpful for distinguishing different types of mélange forming processes and their superposition;

Tectonic evolution of convergent margins and subduction zones, aimed to the definition of their structural setting and tectono- stratigraphic evolution through the comparison between modern accretionary complexes;

Tectonic and sedimentation relationships in ophiolitic belts, focused on the reconstruction of the pre-orogenic intra-oceanic tectono-stratigraphic setting of ancient orogenic belts, and the role of structural inheritance in controlling subsequent subduction and collisional processes.

These research activities developed fruitful collaboration with University of Otago and University of Canterbury (NZ), Miami University (USA), IODP “NaTroSLIDE” Project (Kumano Basin, Nankai), Universidad de Oviedo (Spain), Ruhr University (Germany), Vrije Universiteit (The Netherlands), Charles University of Prague (Czech Republic), Polytechnic of Torino, Torino (Italy). Czech Academy of Sciences, Institute of Geology, Prague (Czech Republic), China University of Geosciences, Beijing (China), China University of Geosciences, Wuhan (China).

Convener and member of organizing committees at international meetings

2010, EGU - European Geosciences Union General Meeting (Wien, Austria),
2010, GSA Global Meeting, Ankara (Turkey)
2011, AGU Fall Meeting (San Francisco, CA-USA).
2012, IAS Meeting of Sedimentology (Schladming, Austria).
2012, GIGS Meeting (Meeting of the Italian Group of Structural Geology; Italy).
2013, GSA Cordilleran Section Meeting (Fresno, CA-USA).
2015, GSA Meeting 2015 “Bridging two continents” (Baltimore, MD-USA,
2017, GSA Meeting 2017 (Seattle, WA-USA).
2019, International workshop on “Complex Formations” (Torino, Italy).
2020, Meeting of the Working Group on Mediterranean Ophiolites – GLOM (Torino, Italy).
2021, GSA Meeting 2021 (Portland, OR-USA).
2022, IAGR (International Association for Gondwana Research) 2022 Annual Convention
& 19th International Symposium of Gondwana to Asia (Chengdu, China).
2023, European Geosciences Union (EGU) General Meeting (Vienna, Austria).
2023, 2nd International workshop on “Complex Formations” (Torino, Italy).
2023, IAGR (International Association for Gondwana Research) 2023 Convention & 20th
International Symposium of Gondwana to Asia (Niigata, Japan).
2023, GSA Meeting 2023 (Pittsburgh, PA-USA).



Scientific Honors and Awards

- 2023, GEOSYSTEMS and GEOENVIRONMENT (Elsevier) Best Editor Award 2023 (Niigata, Japan)-
- 2022, Elected Fellow of the Geological Society of America (GSA), Denver (CO-USA).
- 2020, GESOSCIENCE FRONTIERS (Elsevier) Best Paper Award 2020 (Qingdao, China) for the paper Festa et al. (2020) Geoscience Frontiers, 11, 167-188.
- 2020, Highly cited paper in WOS (Web of Science) database for the paper Festa et al. (2019) Gondwana Research, 74, 7-30.
- 2020, Highly cited paper in WOS (Web of Science) database for the paper Festa et al. (2020) Geoscience Frontiers, 11, 167-188.
- 2019, The Geological Society of America, History of Geology Division Award grants (Phoenix, AZ-USA).
- 2017, ANVUR Award (*National Agency for the Evaluation of the Research and University for the scientific activity as Associate Professore in the period 2012-2016* (FFABR - Fondo per il Finanziamento delle Attività Base di Ricerca).
- 2016, IUGS “EPISODES Best Paper Award 2016” (Cape Town, South Africa).
- 2015, Highly Cited Paper in WOS (Web of Science) database for the paper Festa et al. (2010) International Geology Review, 52(10-12), 1040-1105.

Scientific Reviewer for:

Geology (GSA), Geological Society of America Bulletin (GSA), Communications Earth & Environment (Nature Portfolio), Geophysical Research Letters (AGU), Tectonics (AGU), Earth and Space Science (AGU), Journal of the Geological Society of London, Geological Society of London Special Publications, Gondwana Research (Elsevier), Earth and Planetary Science Letters (Elsevier), Earth-Science Reviews (Elsevier), Geoscience Frontiers (Elsevier), Geosystems and Geoenvironment (Elsevier), Global and Planetary Change (Elsevier), Tectonophysics (Elsevier), Journal of Structural Geology (Elsevier), Precambrian Research (Elsevier), Marine Geology (Elsevier), Marine and Petroleum Geology (Elsevier), Journal of Asian Earth Sciences (Elsevier), Lithos (Elsevier), Journal of Geodynamics (Elsevier), Ore Geology Reviews (Elsevier), Sedimentary Geology (Elsevier), Journal of Rock Mechanics (Elsevier), Kuwait Journal of Science (Elsevier), AAPG Bulletin, The Journal of Geology (The Univ. Chicago Press), Terra Nova (Wiley & Sons), Basin Research (Wiley & Sons), Geological Journal (Wiley & Sons), International Geology Review (Taylor & Francis), Journal of Maps (Taylor & Francis), New Zealand Journal of Geology and Geophysics (Taylor & Francis), Episodes (IUGS publications), Comptes Rendus Geoscience, Arabian Journal of Geosciences (Springer), International Journal of Earth Sciences (Springer), Journal of Iberian Geology (Springer), GeoHeritage (Springer), Springer Books, Central European Journal of Geosciences (Springer), Canadian Journal of Earth Sciences (NRC Research Press), Ofioliti, Italian Journal of Geosciences



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(SGI), *Geologica Carpathica*, *Rendiconti della Società Geologica Italiana (SGI)*, *Geosciences (MDPI)*, *Open Geosciences (De Gruyter Press)*, *AMQ-Alpine and Mediterranean Quaternary*, *Journal of Earth Sciences and Engineering*.

Books: AGU books (Wiley & Sons), Elsevier books (*Geoscience and Atmospheric Science*), GSA books. *Scientific research programs*: NERC, PRIN, EnviMed, UIF-Bando Vinci.

Editorial Positions:

Deputy Editor

- **2024 to present:** Deputy Editor, *JOURNAL OF THE GEOLOGICAL SOCIETY*, The Geological Society, London, UK.

Associate Editor

- **2015 to present:** Associate Editor, *EPISODES*, IUGS publications.
- **2019 to present:** Associate Editor, *GONDWANA RESEARCH*, Elsevier Publishers, Amsterdam, The Netherlands.
- **2021 to present:** Associate Editor, *GEOSYSTEMS AND GEOENVIRONMENT*, Elsevier Publishers (Amsterdam, The Netherlands) – Ocean University of China (Qingdao, China).

Guest Editor

- **2010:** Book Editor, *GEOLOGICAL SOCIETY OF AMERICA SPECIAL PAPER*, Boulder, Colorado - USA.
- **2010-2012:** Guest Book Editor, *TECTONOPHYSICS*, Elsevier Publishers, Amsterdam, The Netherlands.
- **2012-2014:** Guest Book Editor, *MARINE GEOLOGY*, Elsevier Publishers, Amsterdam, The Netherlands.
- **2016-2017:** Guest Book Editor, *GEOLOGICAL MAGAZINE*, Cambridge University Press, UK.
- **2017-2019:** Book Editor of the AGU BOOK “Submarine landslides: subaqueous mass transport deposits from outcrop to seismic profiles”, *JOHN WILEY & SON*, USA
- **2018-2019:** Guest Book Editor, *GONDWANA RESEARCH*, Elsevier Publishers, Amsterdam, The Netherlands.
- **2018-2020:** Guest Book Editor, *JOURNAL OF THE GEOLOGICAL SOCIETY*, The Geological Society, London, UK.
- **2022:** Guest Book Editor, *FRONTIERS IN EARTH SCIENCE*, Frontiers Publishers, Lausanne/London/Seattle/Beijing.
- **2022-2023:** Guest Book Editor, *GEOSYSTEMS AND GEOENVIRONMENT*, Elsevier Publishers (Amsterdam, The Netherlands) – Ocean University of China (Qingdao, China).



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- **2023-2024:** Guest Book Editor, *JOURNAL OF THE GEOLOGICAL SOCIETY*,
The Geological Society, London, UK.

Main Invited Talks and Seminars

2007, Clay Day meeting, Rome (Italy)
2007, GSA Annual Meeting, Denver, CO (USA)
2010, GSA Global Meeting, Ankara (Turkey)
2013, University of Pisa, Pisa (Italy)
2013, University of Basilicata, Potenza (Italy)
2014, University of Barcelona, Barcelona (Spain)
2014, SGI-SIMP Meeting, Milan (Italy)
2016, IAG-WTGT International Summer School, Peveragno (Italy)
2016, GLOM meeting (Working Group of Mediterranean Ophiolites), Parma (Italy)
2017, Ruhr University, Bochum (Germany)
2018, University of Modena and Reggio Emilia, Modena (Italy)
2019, International Workshop of Complex Formations, Torino (Italy)
2019, Geoscience Frontiers Annual Convention, Beijing (China)
2019, China University of Geosciences Beijing, Beijing (China)
2019, GSA Meeting, Phoenix, AZ (USA)
2019, Charles University, Prague (Czech Republic)
2023, 2nd International Workshop of Complex Formations, Torino (Italy)
2024, IAGR International Symposium of Gondwana to Asia (Kuching, Malaysia).

Scientific publications

The scientific activity (**Orcid ID: 0000-0001-5325-0263**) consists on more than 200 publications, including more than 80 papers (Scopus database), 10 books/special issues and 12 geological maps published on national and international journals with Impact Factor or peer review. For a complete list of publications see:

- **Scopus** (Elsevier): <https://www.scopus.com/authid/detail.uri?authorId=36795995600>
- **Web of Science (WOS)** (<https://www.webofscience.com/wos/author/record/1854926>)
- **Google Scholar**: <https://scholar.google.com/citations?user=1INwDa8AAAJ&hl=en>
- **ResearchGate**: https://www.researchgate.net/profile/Andrea_Festa

The ten most significant publications are:

Festa, A., Barbero, E., Remitti, F., Ogata, K., and Pini, G.A., 2022. *Mélanges and chaotic rock units: implications for exhumed subduction complexes and orogenic belts*. Geosystems and Geoenvironment, 1(2), 100030. <https://doi.org/10.1016/j.geogeo.2022.100030>



- Di Napoli, M.L., **Festa, A.**, and Barbero, M., 2022. *Practical classification of geotechnically complex formations with block-in-matrix fabrics*. Engineering Geology, 301, 106595. <https://doi.org/10.1016/j.enggeo.2022.106595>
- Festa, A.**, Balestro, G., Borghi, A., De Caroli, S., and Succo, A., 2020. *The role of structural inheritance in continental break-up and exhumation of Alpine Tethyan mantle (Canavese Zone, Western Alps)*. Geoscience Frontiers, 11, 167-188. <https://doi.org/10.1016/j.gsf.2018.11.007>
- Festa, A.**, Pini, G.A., Ogata, K., and Dilek, Y., 2019. *Diagnostic features and field-criteria in recognition of tectonic, sedimentary and diapiric mélanges in orogenic belts and exhumed subduction-accretion complexes*. Gondwana Research. <https://doi.org/10.1016/j.gr.2019.01.003>
- Festa, A.**, Dilek, Y., Mitterpergher, S., Ogata, K., Pini, G.A., and Remitti, F., 2018. *Does subduction of mass transport deposits (MTDs) control seismic behavior of shallow-level megathrusts at convergent margins?* Gondwana Research, 60, 186-193. Doi: 10.1016/j.gr.2018.05.002.
- Festa, A.**, Ogata, K., Pini, G.A., Dilek, Y., and Alonso, J.L., 2016. *Origin and significance of olistostromes in the evolution of orogenic belts: a global synthesis*. Gondwana Research 39, 180-203, DOI: 10.1016/j.gr.2016.08.002
- Festa A.**, Balestro, G., Dilek Y., and Tartarotti, P., 2015. *A Jurassic oceanic core complex in the high-pressure Monviso ophiolite (western Alps, NW Italy)*. Lithosphere, 7, 646-652. Doi: 10.1130/L458.1.
- Festa A.**, Dilek Y., Pini G.A., Codegone G., and Ogata K., 2012. *Mechanisms and processes of stratal disruption and mixing in the development of mélanges and broken formations: redefining and classifying mélanges*. Tectonophysics 568-569, 7-24. DOI: 10.1016/j.tecto.2012.05.021
- Festa, A.**, Pini, G.A., Dilek, Y., and Codegone, G., 2010. *Mélanges and mélange-forming processes: a historical overview and new concepts*, International Geology Review 52(10-12),1040-1105. DOI: 10.1080/00206810903557704.
- Vezzani L., **Festa, A.** and Ghisetti, F., 2010. *Geology and Tectonic evolution of the Central-Southern Apennines, Italy*: Geological Society of America Special Paper 469, 58 p, including the “Geological-Structural Map of the Central-Southern Apennines (Italy)” at 1:250.000 scale, Sheets 1 and 2. ISBN 978-0-8137-2469-0. DOI: 10.1130/2010.2469

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Torino (Italy), March 2024