

Curriculum Vitae - Prof. Riccardo Tribuzio

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Personal Details

- Date and Place of Birth: December 16, 1962 - Genova, Italy
- Nationality: Italian
- Affiliation: Department of Earth and Environmental Sciences, University of Pavia, Italy
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Academic Positions

- 2011-Present: Full Professor of Petrology, University of Pavia
- 2000-2010: Associate Professor of Petrology, University of Pavia
- 1992-2000: Assistant Professor (Permanent Research Position) of Petrology, University of Pavia

Education

- 1992: Ph.D. in Mineralogy and Crystallography, University of Pavia
- 1987: M.Sc. (*Graduated cum laude*) in Geological Sciences, University of Genova

Research Focus & Interests

Methodological Approach

Integrates field and petrographic studies, major and trace element microanalysis, radiogenic and stable isotope geochemistry, and geochronology to investigate the petrogenesis of magmatic, metamorphic, and mantle systems

Current Core Research Themes

- Genesis of Permian post-collisional gabbroic intrusions exposed along the Alpine belt
- Magmatic to hydrothermal evolution of the lower oceanic crust (Atlantis Bank, Southwest Indian Ridge)
- Origin and evolution of Archean ultramafic bodies in SW Greenland
- Genesis of mantle-lower crust associations within Alpine Jurassic ophiolites

Applied Environmental & Economic Geosciences

- CO₂ mineralization and stable sequestration in mafic-ultramafic rocks
- Sulfide mineralogy: distribution in the lower crust and lithospheric mantle to evaluate their role in concentrating chalcophile metals and platinum group elements
- Spatial distribution and quantitative risk assessment of asbestos fibers in ophiolitic sequences

Institutional & Leadership Activity

University of Pavia

- 2022-2023: Coordinator of the Ph.D. Program in Earth and Environmental Sciences
- 2013-2019: Coordinator of the Bachelor's and Master's Degree Courses in Earth Sciences
- 2006-2011: Deputy Director of the Department of Earth Sciences

National & International Committees

- 2022-Present: Deputy Italian Delegate, ECORD (*European Consortium for Ocean Research Drilling*) Science Support and Advisory Committee
- 2019-Present: Member of the Italian National Committee for participation in the IODP (*International Ocean Discovery Program*) and the ICDP (*International Continental Scientific Drilling Program*)
- 2019-2025: Coordinator of the Italian *Working Group on Mediterranean Ophiolites*
- 2020-2021: Italian Delegate, ECORD Science Support and Advisory Committee

Mentorship & Academic Placement

Ph.D. Supervision

Supervised 9 completed Ph.D. theses. Four former Ph.D. advisees currently hold permanent academic/research positions in Italy:

- R. Braga: Associate Professor in Petrology, University of Bologna

- S. Fiameni: Permanent Researcher, Institute of Condensed Matter Chemistry and Technologies for Energy (CNR)
- M.R. Renna: Associate Professor in Petrology, University of Messina
- A. Sanfilippo: Associate Professor in Petrology, University of Pavia

Graduate & Undergraduate Supervision

Supervised approximately 30 Master's theses and 25 Bachelor's theses. Notable alumni who achieved permanent academic placement include:

- M. Tiepolo: Full Professor in Geochemistry, University of Milano, Italy
- F. Schiavi: Research Engineer, Université Clermont Auvergne, France

Editorial Activity & Peer Review

Journal Editorial Boards

- 2016-Present: Associate Editor, *European Journal of Mineralogy*
- 1996-2013: Editor-in-Chief, *Ofioliti*

Guest Editorships

- 2026: Guest Editor, *Ofioliti* special issue: *Ofioliti: 50 Years Anniversary Issue* (Vol. 51-2, upcoming July)
- 2021: Guest Editor, *Ofioliti* special issue: *Late Variscan to Alpine orogenic evolution: the role of rift inheritance, dedicated to the memory of Marco Beltrando* (Vol. 46-2, 123 pp.)
- 2011: Guest Editor, *Lithos* special Issue: *Alpine ophiolites and modern analogues* (Vol. 124, 161 pp.)

Reviewing & Evaluation

- 1992-Present: Manuscript reviewer for high-impact international journals including *Journal of Petrology*, *Contributions to Mineralogy and Petrology*, *Lithos*, *Chemical Geology*, and *Journal of Metamorphic Geology*
- Ongoing: Panel reviewer for national and international research proposals

Research Funding & Grants

Competitive Peer-Reviewed Grants (as PI or Co-PI)

- PRIN (Italian Research Programs of National Interest): Granted in 2002, 2003, 2005, 2007, 2009, 2015, and 2022
- PNRA (Italian National Program for Research in Antarctica): Granted in 2004, 2009, and 2016
- CNR (National Research Council): Agenzia 2000 Grant

Sponsored Fellowships & Infrastructure Grants

- 2020: Secured a 2-year IODP-Italy post-doctoral grant for C. Ferrando (currently Assistant Professor of Petrology at the University of Genova)
- 2014: Obtained a 1-year "Bando Vinci" post-doctoral fellowship from "Università Italo Francese" for I. Pezzali, establishing a joint research collaboration with Prof. G. Manatschal (University of Strasbourg)
- 2002: Awarded an international infrastructure grant (European Commission - Access to Research Infrastructures Action) for M.R. Renna, funding a 2-week analytical session for bulk-rock chemical analyses at the Large-Scale Geochemical Facility (University of Bristol)

Visiting Research Fellow

- July-September 1996: Conducted Nd-Sr isotopic analyses under the supervision of Prof. M.F. Thirlwall at Royal Holloway, University of London (funded via a competitive research scholarship awarded by the Italian Society of Mineralogy and Petrology)

Selected Invited Lectures & Keynotes

- 2023: Keynote Speaker, session "*Oceanic lithosphere: rocks, minerals, and critical resources*" - 9th Meeting of the Mineralogical Society of Poland (Bielawa, Poland)
- 2015: Invited Lecturer, Summer School "*Ocean crust processes: magma, faults, fluxes and life*" (Bremen, Germany)
- 2011: Keynote Speaker, session "*Magmatic processes in the lower oceanic crust*" - American Geophysical Union (AGU) Fall Meeting (San Francisco, USA)

- Invited Seminars: University of Montpellier (France, 2018), University of Southampton (UK, 2017), Leibniz University of Hannover (Germany, 2010), and the Italian Universities of Bologna (2009), Parma (2009), and Genova (1992, 2006, 2008)

Organization of International Conferences & Schools

- Conferences: 3rd European Mantle Workshop (Pavia, 2018); IODP Expedition 360 Post-cruise Meeting (Siracusa, 2018); Alpine Ophiolites and Modern Analogues (Parma, 2009); 1st InterRidge Theoretical Institute (Pavia, 2002); Orogenic Lherzolites and Mantle Processes (Pavia, 1999); International Ophiolite Symposium (Pavia, 1995)
- International Schools: International School on Mantle Dynamics (Sestri Levante, 2021); Structure and Composition of the Lower Continental Crust (Pavia, 2019); Melting and Fluid/Melt-Rock Reactions in the Mantle (Pavia, 2017); Zircon: A Key Mineral for Dating and Tracking Geological Processes (Pavia, 2013)

Research Expeditions

- Dec 2015-Jan 2016: Shipboard Scientist, IODP Expedition 360 - Southwest Indian Ridge Lower Crust and Moho
- Dec 2004-Jan 2005: Field Scientist, 20th Italian Expedition in Antarctica

Additional professional activities

- Co-proponent of the ICDP project DIVE (Drilling the Ivrea-Verbano zone) Phase 1 (operational phase in 2022-2024)
- Member of the ABYSS Scientific Advisory Board, an Initial Training Network funded by the European Commission (2014-2017)
- Independent consultant for Spea Engineering (Italy) and Eni (Italy)
- Field trip leader for geological excursions tied to international congresses

Collaborations and networks

Major national collaborations:

- Institute of Geosciences and Earth Resources (C.N.R.); University of Milano; University of Messina, University of Parma; University of Perugia

Major international collaborations:

- Institute of Geology and Geophysics, Chinese Academy of Sciences (Beijing, China); Géosciences Montpellier, University of Montpellier (France); European Institute for Marine Studies, Université de Bretagne Occidentale (Brest, France); University of Strasbourg (Strasbourg, France); Institute of Geological Sciences, Freie Universität Berlin (Germany); Federal Institute for Geosciences and Natural Resources (Hannover, Germany); Institute of Geology, Adam Mickiewicz University in Poznan, Poznan, Poland; Khalifa University of Science and Technology (Abu Dhabi, United Arab Emirates)

Teaching Profile (University of Pavia)

- Petrography (B.Sc. in Geological Sciences)
- Regional and Environmental Petrology (M.Sc. in Geosciences for Sustainable Development)
- Teaching experience also in Igneous Petrology, Metamorphic Petrology, and Geochemistry

Bibliometric Overview (Scopus Source)

- Total Documents: 100
- Total Citations: 3.259 (by 1.883 documents)
- h-index: 37
- Recent Output (2021-2026): 18 documents with 141 citations

Scientific Awards

- 1992: Best Italian Doctoral Thesis in Geochemistry and Petrology, awarded by the Italian Society of Mineralogy and Petrology