

ELISABETTA RAMPONE - CURRICULUM VITAE

(update 30.07.2026)

Elisabetta Rampone

Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV)

Università degli Studi di Genova, Corso Europa 26, 16132 Genova, Italy

tel. 0039 010 3538315

Email: elisabetta.rampone@unige.it

Born in 1962.

8/7/1987: Degree in Geological Sciences, at Genova University.

29/7/1992: Doctorate Degree in Earth Sciences at Genova University.

November 1991 – October 1993: C.N.R. fellowship at Genova University.

January 1994 – December 1995: Postdoctoral Research fellowship at Genova University.

3/09/1996 - 31/10/1998: Permanent Research position in Petrology at the Department of Earth Sciences of Milano University.

1/10/1998 – 31/10/2001: Associate Professor in Petrology at the University of Milano-Bicocca.

1/11/2001 – 31/10/2013: Associate Professor in Petrology at Genova University.

Since 1/11/2013: Full Professor in Petrology at Genova University.

Synthesis of scientific activity and Research Lines

The scientific activity of Elisabetta Rampone is focused on the **petrology and geochemistry of ophiolitic sequences and mantle rocks** from different geological contexts: 1) ophiolite associations (mantle peridotites, gabbros, basalts) of the Northern Apennines, Ligurian Alps, Alpine Corsica, Oman, 2) garnet peridotites from the Ulten area (Eastern Alps), 3) mantle xenoliths of the Betic Cordillera (Southern Spain).

Main investigated topics are:

- Mechanisms of magma production, melt percolation and melt- peridotite interaction acting in the asthenospheric and lithospheric mantle at oceanic conditions;
- Accretion processes of the oceanic crust;
- Metamorphic evolution of the lithospheric mantle at extensional settings;
- Melt-peridotite interactions and mantle metasomatism in supra- subduction environments;
- Role of pyroxenitic components in the chemical and isotopic heterogeneity of mantle sources.

Active collaborations:

- P. Fumagalli and G.Borghini, Univ. Milano (Italy)
- A. Zanetti, IGG-CNR Pavia (Italy);
- M. Godard (Géosciences Montpellier, Univ. Montpellier, France)
- A. Tommasi (Géosciences Montpellier, Univ. Montpellier, France)
- A. Stracke (Inst. für Mineralogie, Universität Münster, Germany)
- A. Luguet (Inst. für Geowissenschaften, Universität Bonn, Germany)

Publications

E. Rampone published 75 papers (66 of which on indexed journals) that received up to date 3795 citations (SCOPUS). She has an H-index (SCOPUS) = 37. According to Google Scholar, she received 4860 citations and she has an H-index = 40. In the last five years, she published 10 papers (on indexed journals) that received 100 citations (according to SCOPUS).

Funded Projects

The scientific activity has been developed in the frame of projects funded by the Italian CNR and MURST-COFIN, and the University of Milano and Genova.

E.Rampone has been component of the following funded projects:

MIUR-COFIN 2003 “Melt percolation and impregnation in ophiolite peridotites”

MIUR-COFIN 2005 “Lithosphere evolution induced by migration of mantle derived melts at different geodynamic settings”.

MIUR-COFIN 2007 “Garnet- and carbonate-bearing ultramafic rocks of high- and ultrahigh-pressure origin: monitors of COH fluid/mantle exchange at subduction environments”.

MIUR-COFIN 2007 “Phase relations and interaction with COH fluid in carbonate peridotites from subduction settings: from nature to experiments”;

MIUR-COFIN 2009 “Light element and LILE budgets of subduction fluids released from COH-bearing natural ultramafic systems at high and ultrahigh pressure”.

PRIN-MIUR 2017 “The Dynamic Mass Transfer from Slabs to Arcs – Dynastars”

E.Rampone has been Principal Investigator of the following funded projects:

“Melt-rock interactions in the oceanic lithosphere: microstructural and petro-geochemical constraints from ophiolites”, funded by EU in the context of Project FP7-PEOPLE-2013-ITN “Training network on reactive geological systems from the mantle to the abyssal sub-seafloor” (Multi-partner ITN). Responsible of Genova RU.

PRIN-MIUR 2015 "Melt-rock reaction and melt migration in the MORB mantle through combined natural and experimental studies", Prot. 2015C5LN35 (Principal Investigator).

Teaching

- Petrography, Earth Sciences, University of Genova (Bachelor Degree),
- Evolution of the Oceanic Lithosphere, Earth Sciences, University of Genova, (Master Degree),
- Petrography, Environmental Sciences, University of Genova (Bachelor Degree)

Editorial Activity

2014 to present: Editor in Chief of the EJM (<https://www.european-journal-of-mineralogy.net>).

2006-2013: Associated Editor of the European Journal of Mineralogy (EJM).

Reviewer for international journals (*EPSL*, *Lithos*, *Contributions to Mineralogy and Petrology*, *Journal of Petrology*, *Chemical Geology*, *Journal of Geophysical Research*).

2024: Editor of the EMU Notes Volume 21 - Chemical Geodynamics of the Earth's Mantle: New Paradigms (C. Bonadiman and E. Rampone, editors)

Institutional and Research Evaluation Activity

- 2013 to present: member of the management board of the Italian Society of Mineralogy and Petrology (<https://www.socminpet.it>).

- 30/11/2012 – 31/07/2017: member of the Research Observatory of Genova University.

- November 2015 – December 2016: member of the national Group of Expert of Evaluation (GEV 04) for evaluation of Italian Universities and Research Institutions (VQR 2011-2014).

- 2013 to present: PhD Committee member of the Doctorate in Science and Technologies for the Earth and Environment (STAT) of Genova University (<https://distav.unige.it/phdstat/node/48>).

- 1/11/2018 – 31/10/2021: Coordinator of the Earth Sciences courses (Bachelor and Master) of Genova University.

- 1/11/2021 to present: Head of the Department of Earth, Environment and Life Science (DISTAV) of Genova University.
- 1/11/2024 to present: member of the Academic Senate of the University of Genova.

Stages

17/10/1990 – 17/6/1991: research stage at the Max Planck Institut fuer Chemie, Department of Geochemistry, Mainz (Germany) during the PhD thesis, to perform Sr and Nd isotope work on the Northern Apennine peridotites, by TIMS.

Lectures and Invited Talks

E. Rampone held seminars and invited talks in international meetings and schools. Most significant are:

13-17 Settembre 1998: Invited talk to the “Penrose Conference on ophiolites and oceanic lithosphere”, (organized by the GSA in San Francisco, USA) (title: “The ophiolites - oceanic lithosphere analogue: new insights from the Northern Apennines”).

November 2001: Invited talk to the SGA annual meeting (title: Mantle petrology as key to the understanding of oceanic lithosphere formation: inferences from the Ligurian ophiolites), Boston, USA.

18-22 June 2007: lesson to the “International School of Isotope Geology”, held in Verbania, Italy (title: The isotopic composition of oceanic lithospheric mantle: insights from abyssal peridotites and ophiolites”).

13/09/2016: invited keynote to EMC2016 (Rimini, Italy), (title: “Melt migration and melt-rock reaction in the Alpine-Apennine peridotites: insights on mantle dynamics in extending lithosphere”).

13-17/02/2017: lesson to the “International Winter School: Melting and fluid/melt-rock reactions in the mantle”, Pavia (Italy). (title: “Field, microstructural and geochemical evidence of melt-rock reaction in the Ligurian peridotite”).

25/11/2018: invited seminar to the national meeting “Le Geoscienze per il futuro” organized by the Accademia Nazionale dei Lincei (Roma), (Title: “Composizione e Dinamica del Mantello Terrestre, stato dell’arte e prospettive”).

21/08/2019: invited keynote to Goldschmidt Conference 2019, Barcelona (Spain). (Title “The role of melt-rock reaction in creating Enriched-MORB mantle sources”).

09/07/2025: invited keynote to Goldschmidt Conference 2025, Prague (Czech Republic). (Title: Pyroxenite: a key component in creating Enriched-MORB mantle sources”).

Organization of scientific activities and schools

- Member of the Organizing and Scientific Committees of the “International Conference on Orogenic Lherzolites and Mantle Processes”, Pavia (Italy), 10-15/09/1999.

- “Convenor” of the Session 105 “Melt and fluid flow in evolution of oceanic lithosphere”, 32nd IGC, Florence, August 2004:

- Member of the Steering committee and chief organizer of the InterRidge Polar Meeting and Workshop, held in Sestri Levante (Genova, Italy), 20-22/09/2006.

- Member of the Organizing and Scientific Committees of the “Int. School of Isotope Geology: frontiers in petrogenesis and magmatology, and application to archaeometry and environmental sciences”, held in Verbania, 18-22/06/2007.

- Member of the Organizing Committee of the National Meeting of the Italian Society of Mineralogy and Petrology, SIMP 2008, held in Sestri Levante Genova, September 7-12, 2008 .

Member of the Scientific Committee of the International Meeting “Alpine Ophiolites and Modern Analogues”, Parma, 30 September – 2 October 2009, co-organizer and field leader of the pre-conference field trip on the Ligurian ophiolites.

Convenor of scientific Session 1.4 “Magmatismo e Geodinamica” at the National Meeting of the Italian Society of Mineralogy and Petrology, SIMP 2010.

- Convenor of scientific Session 37 “Petrologia e Petrografia” at the National Meeting FIST GEOITALIA 2011.
- Team Member of theme “Mantle Geochemistry” at the Goldschmidt Conference 2013, Florence 25-30 Agosto 2013. Within this theme, Convenor of Session 5a: “Building the oceanic lithosphere: from mantle melting to magma chambers”. Field Leader of post-meeting excursion: “Ligurian Ophiolites: a journey through the building and evolution of slow spreading oceanic lithosphere”. Sestri Levante 31 Agosto – 1 Settembre 2013.
- Convenor of scientific Session S2 “Mantle processes and crustal genesis in extensional environments” of the National SIMP Meeting 2015, Florence.
- Chief Organizer of Mid-term Meeting n.2 of international Marie-Curie project ITN ABYSS, Sestri Levante, 7-10/04/2016.
- Convenor of Session S10 “Controls of mantle depletion/enrichment on geological processes” at SGI 2016 Meeting, Naples, Italy.
- Scientific Committee member of the “International Winter School on Melting and fluid/melt-rock reactions in the mantle” (MEREMA), Pavia, 13-18/02/2017.
- Convenor of session GMPV2.7/BG9.63/GD5.10 - Reactive Geological Systems from the Mantle to the Abyssal sub-seafloor, EGU 2017, Vienna.
- Scientific Committee member of the International Congress EMAW 2018, Pavia, 26-28/06/2018.
- Member of the scientific committee of the national joint congress SIMP-SGI-SOGEI 2019, Parma (Italy).
- Chief Organizer of the “International School on Mantle Dynamics, MEREMA II”, (EMU School) Sestri Levante (Genova), 24-29 October, 2021 (<https://www.socminpet.it/Merema/>).
- Convenor of session 3a: “Formation and evolution of oceanic and continental lithospheric mantle”, Goldschmidt Conference 2022 (<https://2022.goldschmidt.info/goldschmidt/2022/meetingapp.cgi/Session/3041>).
- Member of the scientific committee of the national joint congress SIMP-SGI 2025, Padova (Italy).
- Member of the scientific committee of the International School on Mantle Petrology, MEREMA III”, 29/09-2/10 2026, Volterra (Italy).

Scientific Awards

- Award “**Angelo Bianchi**”, 1993, assigned by the Italian Society of Mineralogy and Petrology.
- Award “**Giuseppe Borgia**” for research in Geology, 1996, assigned by the “Accademia Nazionale dei Lincei”.
- Award “**Geochemistry Fellow**”, 2026 assigned by EAG-GS societies.

Training

E.Rampone has trained numerous master thesis and PhD students. Worth noting are i) Giulio Borghini, who got the master and PhD degrees at Genova University and is currently associate professor at Milano University, ii) Carlotta Ferrando, who got the master degree at Genova University, a PhD Marie Curie position at the University of Montpellier (2014-2018) participated to the IODP “SWIR Lower Crust and Moho” Expedition 360 (Nov. 2015 – Jan. 2016) and is presently researcher at the University of Genova, iii) Valentin Basch, who got a PhD Marie Curie position at Genova University (2014-2018) and is presently tenure-track researcher at Pavia University, iv) Caterina Battifora, who got the PhD degree at Genova University in 2026 and is presently post-doc fellow at Milano University.