

Brief curriculum vitae of Riccardo Tribuzio

Graduate in Earth Sciences at University of Genova (Italy) in 1987 and Ph.D. at University of Pavia (Italy) in 1992. I am now Full Professor of Petrology at University of Pavia. My area of study mainly deals with the igneous and metamorphic petrology of mafic and ultramafic rocks. My methodological approach typically comprises the conjunction of petrographic investigations, major and trace element micro-analyses and geochronological determinations. I focused my research on the origin and the evolution of the gabbroic and mantle sections from the Alpine Jurassic ophiolites. I am also interested in the petrogenesis of: (i) the post-collisional mafic-ultramafic intrusive sequences of Late Paleozoic age exposed along the Alpine belt, (ii) the magmatic to hydrothermal evolution of lower oceanic crust from Atlantis Bank (Southwest Indian Ridge), and (iii) the arc-related mafic-ultramafic intrusive sequences of Cambrian age from northern Victoria Land (Antarctica). I published about 70 articles on peer-reviewed journals. In the last 5 years (2012-2016), I have 13 articles on indexed IF journals.

Main publications in the last five years

Renna M.R., Tribuzio R., Ottolini L. (2016) New perspectives on the origin of olivine-rich troctolites and associated harrisites from the Ligurian ophiolites (Italy). *Journal of the Geological Society* 173: 916-932.

Tribuzio R., Garzetti F., Corfu F., Tiepolo M., Renna M.R. (2016) U-Pb zircon geochronology of the Ligurian ophiolites (Northern Apennine, Italy): Implications for continental breakup to slow seafloor spreading. *Tectonophysics* 666: 220-243.

Montanini A., Tribuzio R. (2015). Evolution of recycled crust within the mantle: Constraints from the garnet pyroxenites of the External Ligurian ophiolites (northern Apennines, Italy). *Geology* 43: 911-914.

Sanfilippo A., Tribuzio R., Tiepolo M., Berno D. (2015). Reactive flow as dominant evolution process in the lowermost oceanic crust: evidence from olivine of the Pineto ophiolite (Corsica). *Contributions to Mineralogy and Petrology* 170: 38 (12 pages).

Sanfilippo A., Tribuzio R., Tiepolo M. (2014) Mantle-crust interactions in the oceanic lithosphere: constraints from minor and trace elements in olivine. *Geochimica et Cosmochimica Acta* 141: 423-439.

Tiepolo M., Tribuzio R., Ji W., Wu F., Lustrino M. (2014) Alpine Tethys closure as revealed by amphibole-rich mafic and ultramafic rocks from the Adamello and the Bergell intrusions (Central Alps). *Journal of the Geological Society, London*, 171: 793-799.

Tribuzio R., Renna M.R., Dallai L., Zanetti A. (2014) The magmatic-hydrothermal transition in the lower oceanic crust: clues from the Ligurian ophiolites, Italy. *Geochimica et Cosmochimica Acta* 130: 188-211.

Beltrando M., Zibra I., Montanini A., Tribuzio R. (2013) Crustal thinning and exhumation along a fossil magma-poor distal margin preserved in Corsica: A hot rift to drift transition? *Lithos* 168: 99-112.

Renna M.R., Tribuzio R., Braga R. (2013) Petrogenetic relationships between peralkaline rhyolite dykes and mafic rocks in the post-Variscan gabbroic complex from Bocca di Tenda (northern Corsica, France). *Contributions to Mineralogy and Petrology* 165: 1073-1085.

Sanfilippo A., Tribuzio R. (2013) Building of the deepest crust at a fossil slow spreading centre (Pineto gabbroic sequence, Alpine Jurassic ophiolites). *Contributions to Mineralogy and Petrology* 165: 705-721.

Sanfilippo A., Tribuzio R. (2013) Origin of olivine-rich troctolites from the oceanic lithosphere: a comparison between the Alpine Jurassic ophiolites and modern slow spreading ridges. *Ophioliti* 38: 91-101.

Montanini A., Tribuzio R., Thirlwall M. (2012) Garnet clinopyroxenite layers from the mantle sequences of the Northern Apennine ophiolites (Italy): Evidence for recycling of crustal material. *Earth and Planetary Science Letters* 351-352: 171-181.

Zibra I., Kruhl J.H., Montanini A., Tribuzio R. (2012) Shearing of magma along a high-grade shear zone: Evolution of microstructures during the transition from magmatic to solid-state flow. *Journal of Structural Geology* 37: 150-160.