

Curriculum Vitae

Personal details and contacts

Date of birth: 19 dicembre 1993
Address: Viale Roma 9, Villaromagnano 15050 (AL)
E-mail: marta.antoncelli01@universitadipavia.it

Academic record and career

-2017 - present. PhD in Earth and Environmental Sciences (XXXIII cycles).

Evolution of mantle melts intruding the lower continental crust: constraints from the Rocca d'Argimonia ultramafic sequence (Ivrea Mafic Complex, Southern Alps). Advisor: Prof. Riccardo Tribuzio.

Place: Department of Earth and Environmental Sciences, University of Pavia - Italy. Done in collaboration with the Institute of Geology and Geophysics, Chinese Academy of Sciences (CAS), Beijing – China.

-2015 - 2017. Master degree in Applied Geology, 110/110 cum laude.

Studio petrologico e geochimico delle vene felsiche e ad anfibolo bruno nella sequenza gabbrica di Atlantis Bank (Southwest Indian Ridge). Advisor: Prof. Riccardo Tribuzio.

Place: Department of Earth and Environmental Sciences, University of Pavia - Italy.

-2012 - 2015. Bachelor degree in Geology, 108/110.

Uso dello Schmidt hammer per la datazione dei depositi glaciali: potenzialità e limiti del metodo e prova di applicazione su due morene in Alta Valle del Lys (Aosta). Advisor: Prof. Roberto Seppi.

Place: Department of Earth and Environmental Sciences, University of Pavia - Italy. Done in collaboration with the Department of Environmental Sciences and Earth, University of Milano Bicocca – Italy.

Abroad experiences

-September - December 2018. Three-month visit to the Institute of Geology and Geophysics, Chinese Academy of Sciences (CAS), Beijing – China.

Local advisors: Fu-yuan Wu and Tong Liu.

Sm-Nd, Lu-Hf, Rb-Sr and oxygen isotopic analyses, in situ and whole-rock trace element analyses.

Accepted/Published Abstract in conferences

- **Antoncelli Marta**, Tribuzio Riccardo, Wu Fu-yuan, Liu Tong. *Origin of the peridotite-pyroxenite association from Rocca di Argimonia, Ivrea Mafic Complex (Ivrea-Verbano Zone).* International School “Structure and Composition of the Lower Continental Crust”, Pavia 7-10 October 2019.
- **Antoncelli Marta**, Tribuzio Riccardo, Wu Fu-yuan, Liu Tong. *Origin of the peridotite-pyroxenite association from Rocca di Argimonia, Ivrea Mafic Complex (Ivrea-Verbano Zone).* Congresso SIMP, SGI SOGEI, Parma 16-19 September 2019.
- **Antoncelli Marta**, Tribuzio Riccardo, Wu Fu-yuan, Liu Tong. *Origin of the dunitite-harzburgite association from Rocca di Argimonia, Ivrea Mafic Complex (Ivrea-Verbano Zone).* Goldschmidt Conference, Barcelona 18-23 August 2019.
- **Antoncelli Marta**, Tribuzio Riccardo. *Petrology of the Rocca d'Argimonia ultramafic sequence (Ivrea-Verbano Zone): implications for the evolution of mantle melts intruding the lower continental crust.* Congresso SGI SOGEI, SIMP, Catania 12-14 September 2018.
- **Antoncelli Marta**, Tribuzio Riccardo. *Evolution of mantle melts intruding the lower continental crust: constraints from an ultramafic sequence of the Ivrea Mafic Complex.* EMAW 2018 – 3rd European Mantle Workshop, Pavia 26-28 May 2018.

- **Antonicelli Marta**, Tribuzio Riccardo, Sanfilippo Alessio, Zanetti Alberto. *Amphibole and felsic veins from Atlantis Bank gabbros (Southwest Indian Ridge, IODP Hole U1473A): do the fluids meet the melts?*. Workshop "Lo stato delle proposte di perforazione nell'area mediterranea" organized by IODP-Italia, Roma 15-16 January 2018.
- Tribuzio Riccardo, **Antonicelli Marta**, Sanfilippo Alessio. *Amphibole and felsic veins from the gabbroic oceanic core complex of Atlantis Bank (Southwest Indian Ridge, IODP Hole U1473A): when the fluids meet the melts*. Congresso SIMP, SGI SOGEI, Pisa 3-6 September 2017.

Digital Competences

Proficient user with Windows 10, Office suite and QGIS. Basis of ArcGIS and Adobe Illustrator.

Other Competences

Proficient user with optical microscope, electron microprobe analyzer (EMPA), Laser Ablation - Inductively Coupled Plasma - Mass Spectrometry (LA-ICP-MS). Basis of Thermal Ionization Mass Spectrometry (TIMS) and Secondary Ion Mass Spectrometry (SIMS).

Pavia, 04/11/2019