

Short CV - Francesco P. VETERE

I am Researcher in Petrology and Volcanology at the Department of Engineering and Geology, University of Chieti-Pescara. I graduated in Geology at the University of Calabria (Unical) in 2002 and in 2006 I attained my Ph.D. degree discussing a thesis entitled "Viscous flow of magmas from Unzen volcano, Japan – implication for magma mixing and ascent, (University of Hannover, Germany)". I focus my research on the characterization of magmatic systems with particular emphasis on magma rheology and crystallization processes and time-scales of magma interaction. Since 2002, I have carried out an intense laboratory work mainly focused on the development of experimental approach and related modelling for the viscosity of silicate melts and magmas under different PTX conditions. At the same time, volatiles in magma (H₂O, CO₂, S, F, Cl) were investigate at high temperature and pressure and different fO₂. Since 2010, I supervised several BsC, MsC and PhD students at University of Calabria, Hannover (Germany) and Perugia. Since 2010, I offered to BsC, MsC and PhD students diverse teaching courses. In brief, short course on glass materials at the University of Chieti Pescara; short course on transport processes, University of Hannover, Germany; Short Course on Magmas, Eruptions and Risks at University of Perugia; course on Experimental petro-volcanology: an introduction, University of Perugia.

In 2012 I was awarded by Marie Curie fellowship and in 2016 I succeeded a DAAD-MIUR joint mobility project 2016, Germany-Italy. In 2018, I received the Av-Humboldt Award for Senior research. I attended at several international scientific meetings such as the American Geophysical Union Fall Meeting (AGU), the Goldschmidt, the Deutsche Mineralogische Gesellschaft, (DMG, Germany), the European Geosciences Union meetings (EGU). I am author and coauthor of more than 50 scientific papers published on international journals and editor for WILEY, American Geophysical Union. I am serving as reviewer for the following scientific journals: Earth and Planetary Science Letters, Geology, Geochimica et Cosmochimica Acta, Chemical Geology, Lithos, Contributions to Mineralogy and Petrology, Journal of Volcanology and Geothermal Research, Bulletin of Volcanology, American Mineralogist and Geochemistry, Geophysics, Geosystems. I am also reviewer for the German Research Foundation (DMG), the Icelandic Research Fund (IRF) and for KAPPA, Technology Agency of the Czech Republic, for highly competitive scientific projects.

Details on my research can be found at:

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