

Education

2009 – April 2012

Marie Curie Postdoctoral fellow LMU

2006 - 2008

Postdoctoral fellowship Instituto de Geología-UNAM (Mexico)

2005 - 2006

Postdoctoral fellowship (CONACYT, Mexico)

2005

PhD Earth Sciences (Volcanology), Instituto de Geofísica UNAM (Mexico)

1999

MSc Environmental Engineering Politecnico-Università di Bari (Italy)

1998-1999

Geologist- Apulian Geologist Order (Italy) Fellow member n. 500

1997

Degree Geology, Università degli Studi di Bari (Italy)

Projects

PAEP 107304 (2003) Mexico: “Depósitos de oleada piroclástica de 1982 del volcán Chichón, Chiapas: origen, mecanismos de transporte y sedimentación” (In Charge)

CONACYT 27933-T and CONACYT 38586-T, Mexico (2002-2004)
“*Reconstrucción de la Historia Eruptiva del Volcán Tacaná y mapa de peligros*”
(Participant)

IPGH 2.1.4.2.60 (2007-2008): “*Erupciones hidromagmáticas del volcán Ilamatepec (Santa Ana), El Salvador*”; Proyectos de Cooperación Técnica 2007 del Instituto Panamericano de Geografía e Historia (Pan American Institute of Geography and History): “Prevención, atención y mitigación de los efectos causados por desastres naturales” (In Charge)

SPAEx Marie Curie IRG (2009-2012) : “Experimental verification of the mechanisms of shock waves acceleration of volcanic particles toward metal targets: a tool to understand shock waves hazards in explosive volcanic eruptions.” (In Charge)

DFG (Deutsche Forschungsgemeinschaft) SC-152/2-1 (2012-2014): “Shock wave hazards during explosive volcanic eruptions: and experimental investigation” (In Charge)

Peer-reviewed publications

Scolamacchia, T., Macías, J.L., Sheridan, M.F., Hughes, S.R. (2005): Morphology of ash aggregates from wet pyroclastic surges of the 1982 eruption of El Chichón volcano, Mexico. *Bulletin of Volcanology*, 68: 171-200.

Scolamacchia, T., Macías, J.L. (2005): Distribution and stratigraphy of deposits produced by diluted pyroclastic density currents of the 1982 eruption of El Chichón volcano, Chiapas, Mexico. *Revista Mexicana de Ciencias Geológicas*, 22 (2): 159-180.

Scolamacchia T (2005): “Oleadas piroclásticas producidas durante la erupción de 1982 del volcán Chichón: mecanismos eruptivos, de transporte y de depositación” Doctoral thesis, Universidad Nacional Autónoma de México (UNAM), 197 pg (in Spanish)

Pardo-Villaveces N., Avellán D.R., Macías J.L., Scolamacchia T., Rodríguez D. (2008): Upper Pleistocene–Holocene stratigraphy of Western Managua, Nicaragua: a geological record of frequent phreatomagmatic and magmatic eruptions. *Journal of Volcanology and Geothermal Research*, 176: 493-512, doi: 10.1016/j.jvolgeores.2008.04.020

Scolamacchia T., Schouwenaars R. (2009): High-speed impacts by ash particles in the 1982 eruption of El Chichón (Mexico). *Journal of Geophysical Research*, 114, B12206, doi:10.1029/2008JB005848.

Scolamacchia T., Pullinger C., Caballero-García L., Montalvo F., Beramendi Orosco L., González Hernández G. (2010): “The 2005 eruption of Ilamatepec volcano, El Salvador” *Journal of Volcanology and Geothermal Research*, 189: 291-318 doi:10.1016/j.jvolgeores.2009.11.016.

Avellan, D.R., Macías, JL, Pardo, N., Scolamacchia, T (2012): “Stratigraphy, geomorphology, geochemistry and hazard implications of the Nejapa Volcanic Field, western Managua, Nicaragua” *Journal of Volcanology and Geothermal Research* 213-214: 51-71

Scolamacchia T, Capra L (2013) “El Chichón volcano: eruptive history” in: “Active Volcanoes of Chiapas: El Chichón and Tacaná”, Scolamacchia T, and Macías JL (Eds) *Active Volcanoes of the World-Book Series*, Springer Verlag (accepted for publication)

Non-peer reviewed

T.Scolamacchia (2004): Asómate al interior de la tierra. Geofisicosas n.19. Pamphlet for science divulgation in secondary schools published by the Instituto de Geofísica-UNAM.

Macías JL, Arce JL, Scolamacchia T, Rouwet D, García A, Espíndola JM, Taran Y: “El Chichón volcano.” Field Trip guide of the conference El Chichón Volcano

Twenty five years later. A Commemorative Conference, Chiapas, México, March 23-25, 2007.

Awards

Alfonso Caso Medal-UNAM-2005