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### Education

University of California, Santa Barbara; Geological Sciences. Ph.D., 1991. Chair: R.V. Fisher.  
University of California, Santa Cruz; Earth Sciences, B.S., 1984.

### Professional Experience

Assistant, Associate, Full Professor, Northern Arizona University, 1991 - present  
Visiting Researcher, Trinity College Dublin, Ireland. 2000, 2017-18  
Fulbright Scholar, Univ. Buenos Aires, Argentina, 2001; Univ. Bucharest, Romania, 1994

### Some Significant Publications

- Alfano, F., Ort, M.H., Pioli, L., Self, S., Hanson, S., Clarke, A.B., Roggensack, K., Allison, C.M., Amos, R., in press, The sub-Plinian monogenetic basaltic eruption of Sunset Crater, Arizona, USA; *Geol Soc America Bull*, 14 p.
- Ort, M.H., Lefebvre, N.S., Neal, C.A., McConnell, V.S., Wohletz, K.H., 2018, Linking the Ukinrek 1977 maar-eruption observations to the tephra deposits: new insights into maar depositional processes; *J Volcanol Geotherm Res*, v. 360, p. 36-60.
- van Otterloo, J., Ort, M.H., Cruden, A.R., 2018, Unique occurrence of a folded in-vent dike: New insights on magma-water mixing; *Geology*, v. 46, p. 379-382.
- Elson, M.D., Ort, M.H., Anderson, K.C., 2016, Sunset Crater and Little Springs Volcano eruptions: Disaster management in the eleventh-century A.D. southwest; in Herhahn, C.L., and Ramenofsky, A.F. (eds.), *Exploring cause and explanation: Historical ecology, demography, and movement in the American southwest*, Univ Colorado Press, Boulder, p. 47-72.
- Ort, M.H., Di Muro, A., Michon, L., Bachèlery, P., 2016, Explosive eruptions from the interaction of magmatic and hydrothermal systems during flank extension: The Bellecombe Ashes of Piton de La Fournaise (La Réunion Island), *Bull Volcanol*, v. 78, p. 1-14.
- Ort, M.H., Newkirk, T.N., Vilas, J.F., Vazquez, J.A., 2015, Towards the definition of AMS facies in the deposits of pyroclastic density currents: *in* Ort, M.H., Porreca, M. & Geissman, J.W. (eds) *The use of palaeomagnetism and rock magnetism to understand volcanic processes*. *Geol Soc, Lond, Special Publications*, 396, p. 205-226.
- Austin-Erickson, A., Ort, M.H., Carrasco-Núñez, G., 2011, Rhyolitic phreatomagmatism explored: Tepexitl Tuff Ring (Eastern Mexican Volcanic Belt), *J Volcanol Geotherm Res*, 201:325-341.
- Ort, M.H., Carrasco-Núñez, G., 2009, Lateral vent migration during phreatomagmatic and magmatic eruptions at Tecuitlapa Maar, east-central Mexico, *J Volcanol Geotherm Res*, 181:67-77.
- Ort, M.H., Elson, M.D., Anderson, K.C., Duffield, W.A., Hooten, J.A., Champion, D.E., Waring, G., 2008, Effects of scoria-cone eruptions upon nearby human communities, *Geol Soc Am Bull*, v. 120, p. 476-486.
- Vazquez, J.A., Ort, M.H., 2006, Facies variation of eruption units produced by the passage of single pyroclastic surge currents, Hopi Buttes volcanic field, USA; *J Volcanol Geotherm Res*, 154:222-236.
- Ort, M.H., Orsi, G., Pappalardo, L., and Fisher, R.V., 2003, Anisotropy of magnetic susceptibility studies of depositional processes in the Campanian Ignimbrite, Italy; *Bull Volcanol*, 65:55-72.
- Ort, M.H., Rosi, M., and Anderson, C.D., 1999, Correlation of deposits and vent locations of the proximal Campanian Ignimbrite deposits, Campi Flegrei, Italy, based on NRM and AMS characteristics, *J Volcanol Geotherm Res*, v. 91, p. 167-178.
- Ort, M.H., 1993, Eruptive processes and caldera formation in a nested downsag-collapse caldera: Cerro Panizos, central Andes Mountains; *J Volcanol Geotherm Res*, v. 56, p. 221-252.
- Fisher, R.V., Orsi, G., Ort, M., and Heiken, G., 1993, Mobility of a large-volume pyroclastic flow - Emplacement of the Campanian Ignimbrite, Italy; *J Volcanol Geotherm Res*, v. 56, p. 205-220.