

Nick Schiavon

Fundação de Ciência e Tecnologia –FCT Research Associate” & Coordinator “Património e Arqueometria” Group Évora Geophysical Centre, University of Évora, Portugal

Permanent Staff Member, HERCULES Laboratory for the Conservation and Restoration of Cultural Heritage - Évora University

Member Scientific Council IIFA (Institute for Advanced Education and Research) –University of Évora - Portugal

Member Scientific Committee SWAPNET UK (Stone Weathering and Atmospheric Pollution Network)

Associate Member Italian Association of Archaeometry (AIAR)

Associate Member IIC (International Institute for Conservation of Historic and Artistic Works) – London

NATO Advanced Fellow in 2001-2002 at the Laboratoire des Systèmes Atmosphériques (LISA) – Université Paris XII

Accademia Nazionale dei Lincei “Beniamino Segre” Fellow, Rome Italy (1993-1995)

Post-doctoral Research Associate Dept. of Earth Sciences, University of Cambridge, UK (1988-1997)

Lecturer in Sedimentary Stratigraphy and Global Environmental Issues - Dept. of Geological Sciences, University College London (1997-1998)

Coordinator of several research projects on Geology, Cultural Heritage and Environmental research including the EU funded GRANITIX (STEP-Science and Technology for Environmental Protection Programme) on granitic monuments decay mechanisms (1991-1994)

Chairman of the ECTN (European Chemistry Thematic Network Association) 6th Intensive Summer School on Conservation Science (Evora University-July 2012)

Peer reviewer for international scientific journals (Atmospheric Environment, Science for the Total Environment, Earth Surface Processes and Landforms, Environmental Geology, Construction and Building Materials, Catena, Environmental Earth Sciences) and for international meetings both on geological/environmental and cultural heritage decay research themes

Author of articles in Int. Journals including Geological Magazine, Sedimentology, Nature, Environmental Science & Technology, Science for the Total Environment, Environmental Geology and 1 monography book on Climate Change

Selected recent Publications

- **SCHIAVON, N.** T. De Caro, A. Kiros, A. T. Caldeira, I.E. Parisi, C. Riccucci and G.E. Gigante (**2012 accepted**) A combined multianalytical approach to study stone decay in the rock hewn churches of Lalibela, Northern Ethiopia. Applied Physics A: Materials Science & Processing
- **SCHIAVON, N** (**2012**). The application of back-scattered scanning electron microscopy to unravel building stone decay mechanisms in urban environments. In Varella E. (ed) Conservation Science An Application of Instrumental Analysis in the Preservation of Cultural Heritage, Springer, Germany.
- **SCHIAVON, N** (**2012**). Particle Induced X-ray Emission Spectroscopy in Conservation Science. In Varella E. (ed) Conservation Science An Application of Instrumental Analysis in the Preservation of Cultural Heritage, Springer, Germany.
- **SCHIAVON, N**, Dias, C, Ferreira, T (**2012**). Atomic Absorption Spectroscopy in Conservation Science. In Varella E. (ed) Conservation Science An Application of Instrumental Analysis in the Preservation of Cultural Heritage, Springer, Germany
- **SCHIAVON, N.**, CANDEIAS, A., FERREIRA, T., DA CONCEIÇÃO LOPES, M., CARNEIRO, A., CALLIGARO, T., MIRAO, J.P. (**2012 in press**) A combined multi-analytical approach for the study of Roman Glass from Southwest Iberia: Synchrotron μ -XRF, external-PIXE/PIGE and VP-BSEM-EDS. Archaeometry.
- SANTOS SILVA, A., CRUZ, T., PAIVA M.J., CANDEIAS, A., ADRIANO, P., **SCHIAVON, N.**, MIRAO, J.P. (**2011**) Mineralogical and chemical characterization of historical mortars from military fortifications in Lisbon harbour (Portugal). Environ Earth Sci 63:1641–1650.
- **SCHIAVON, N** & MAZZOCCHIN G.A. (**2009**). The provenance of sand in plasters from Roman wall paintings in the NE of ITALY: a chemical-mineralogical approach. Open Mineralogy Journal , 3 pp. 32-39
- **SCHIAVON, N.** (2007). Kaolinisation of granite in an urban environment. Environmental Geology. 52- 2. pp. 399-407.
- **SCHIAVON, N.**, MAZZOCCHIN, G.A. & BAUDO, F. (2008). Chemical and mineralogical characterisation of weathered historical bricks from the Venice lagoonal environment. Environmental Geology 56, n. 2-3: pp767-776.

