



**NICK SCHIAVON**

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**Doctor in Geological Sciences** - University of Bologna - Italy (1988)

**National Scientific Habilitation** - Associate Professorship (2014) - Italian Ministry of Education, University and Scientific Research (Abilitazione Scientifica Nazionale-MIUR: [www.asn.cineca.it](http://www.asn.cineca.it)) MacroArea 04/A (GEOSCIENCES) - Sector 04/A1 (Geochemistry, Mineralogy, Petrology, Vulcanology, Geo-resources and Applications) - Scientific Research Area GEO09 (Mining Geo-resources and Mineralogy/Petrography Applied to the Environment and Cultural Heritage)

#### **Current positions:**

**Senior Research Associate** - HERCULES Laboratory - Évora University – Portugal. Associated Member - Institute of Earth Sciences (ICT) - Évora University – Portugal. **Coordinator** ERASMUS MUNDUS ARCHMAT Master in ARCHAeological MATerials Science ([www.erasmusmundus-archmat.uevora.pt](http://www.erasmusmundus-archmat.uevora.pt)) - Évora - La Sapienza, Rome – Thessaloniki, Greece) – FPA 2013-0238. **Coordinator** ED-ARCHMAT European Doctorate in ARChaeological and Cultural Heritage MATerials Science H2020- MSCA-ITN-EJD 2017- Project 766311. **President** Educational Committee – Institute for Advanced Research and Training (IIFA) –Évora University –Portugal. **Member** ProDeJIP (Association for the Promotion and Development of Joint International Programmes in Higher Education). **Member** - Academic Committee - Earth and Space Sciences PhD Program - University of Evora – Portugal. **Member** Academic Committee - Heritage Science Joint PhD Program - University of Évora/University of Lisbon

**Past Positions:** Research Associate and Accademia dei Lincei (Rome) Fellow at Cambridge Univ., UK (1988-1997). Lecturer at UCL London (1997-1998), NATO/CNR Advanced Research Fellow, Univ. Paris XII (2001-2002). Lecturer at Univ. of Venice (2004-2009) and Palermo (2006-2007), Research Contractor at the Univ. of Modena, Italy (2009). Member Academic Committee - PhD Program in “Sciences applied to the Protection of the Environment and Cultural Heritage” - University of Rome La Sapienza (2011-2015). Visiting Professor - University of Rome La Sapienza (2012). Responsible Scientist: GRANITIX Project (EU-STEP – Science & Technology for Environmental Protection Programme CT90-110, 1990-1994) Dept. of Earth Sciences, Cambridge University. Coordinator: FCT/CNR Bilateral Project 2013-2014: Funding: Fundação para Ciência e Tecnologia (FCT), MCTES – Portugal. Responsible Scientist: Leonardo da Vinci TOI (Transfer of Innovation) Programme: Project ST-ART APP (2013-2015)

#### **Recent Publications**

Blen Taye Gameda, Ruth Lahoz, Ana Teresa Caldeira, N. SCHIAVON (2018). Efficacy of laser cleaning in the removal of biological patina on volcanic scoria of the rock Hewn churches of Lalibela, Ethiopia. *Environmental Earth Science* (in press). DOI: 10.1007/s12665-017-7223-3

L. Rosado, J. Van Pevenage, P. Vandenabeele, A. Candeias, M. da Conceição Lopes, D.Tavares, R. Alfenim, N. SCHIAVON, J. Mirão, Multi-analytical study of ceramic pigments application in the study of Iron Age decorated pottery from SW Iberia, *Measurement* (2017), doi: <http://dx.doi.org/10.1016/j.measurement>. 2017.05.016

C. Bottaini, A. Brunetti, R. Bordalo, A. Valera, N. SCHIAVON (2017). Non-destructive characterization of archeological Cu-based artifacts from the early metallurgy of southern Portugal. *Archaeol Anthropol Sci* (2017). doi:10.1007/s12520-017-0501-x

D.V. Rao, G.E. Gigante, R. Cesareo, A. Brunetti, N. SCHIAVON, T. Akatsuka, T. Yuasa, T. Takeda, (2017) Synchrotron-based XRD from rat bone of different age groups. *MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS* 74: 207-218. DOI: 10.1016/j.msec.2016.11.136

N. SCHIAVON, A. Depalmas, C. Bulla, G. Piga, A. Brunetti (2016) A Energy Dispersive X-Ray Fluorescence Spectrometry and Montecarlo Simulation Study of Iron-Age Nuragic Small Bronzes ("Navicelle") from Sardinia, Italy (2016) *Spectrochimica Acta Part B* 123, 42-46 doi:10.1016/j.sab.2016.07.011

D.V. Rao, G.E. Gigante, Y. Manoj Kumar, R. Cesareo, A. Brunetti, N. Schiavon, T. Akatsuka, T. Yuasa, T. Takeda (2016). Synchrotron-based crystal structure, associated morphology of snail and bivalve shells by X-ray diffraction. *Radiation Physics and Chemistry* 127, 155-164. <http://dx.doi.org/10.1016/j.radphyschem.2016.06.024>

C. Bottaini, R. Vilaça, N. SCHIAVON, J. Mirão, A. Candeias, R. Bordalo, Paternoster, I. Montero-Ruiz (2016) New insights on Late Bronze Age Cu-metallurgy from Coles de Samuelhoard (Central Portugal): A combined multi-analytical approach, *Journal of Archaeological Science: Reports* 7,344-357. doi: 10.1016/j.jasrep.2016.05.009

A. Brunetti, J. Fabian, C. Wester La Torre, N. SCHIAVON (2016) A combined XRF/Monte Carlo Simulation study of multilayered Peruvian metal artefacts from the tomb of the priestess of Chornancap. *Applied Physics Part A* 122, 571. doi: 10.1007/s00339-016-0096-6

A. Brunetti, A. Depalmas, F. di Gennaro, A. Serges, N. SCHIAVON (2016) X-Ray Fluorescence Spectroscopy (XRF) and Monte Carlo characterization of a unique Nuragic artifact (Sardinia, Italy). *Spectrochimica Acta Part B* [Volume 121](#), 1 July 2016, 18–21. doi:10.1016/j.sab.2016.04.007

E. Jadot, N. SCHIAVON, M. Manso (2016) The ceramics of Malpas of Zacapu, Michoacán, Mexico, during the Early and Middle Postclassic periods (900–1450 AD): Micro-chemical characterization of surface paintings, *Spectrochimica Acta Part B* 119, 10-16. doi:10.1016/j.sab.2016.03.002

N. SCHIAVON, Soria, V., Arruda A.M., Beltrame, M., Mirão, J. (2016) *Losanga* decorated Imitations of Italic Late Republican Black Gloss Tableware from South-Western Iberia: a Multi-analytical/Microchemical Characterization. *Microchem. J.* [Volume 124](#), 712–718 doi:10.1016/j.microc.2015.10.017