

**FERNANDO ROCHA**

(Full Professor, PhD in Geosciences - Mineralogy)

GEOBIOTEC

GeoBioSciences, GeoTechnologies and GeoEngineering
Research laboratory

**Responsibilities inside the institution**

Vice-Rector of the University of Aveiro
Director of the Research Centre

Responsibilities inside the consortium

Contact person, academic supervision

Address, contacts

Institution address

Dep. Geociencias, Universidade de Aveiro, Campus de Santiago
3810-193 Aveiro
Portugal

Office

Phone : +351 234370200

Fax : +351 234370605

E-mail : tavares.rocha@ua.pt

Research focus

Clay mineralogy, geochemistry and geotechnics; Industrial minerals. Healing clays.

Marine Geology, Coastal Geology, Environmental Geology, Sedimentology and Stratigraphy, Palaeoclimatology.

Cultural heritage, geo-archeology.

Teaching experience

Post-graduate level : Supervised 1 NATO Fellowship, 2 Pos-Doc Projects, 10 PhD and 26 MSc concluded thesis.

Undergraduate level : theoretical classes of Mineralogy, Crystallochemistry, General Geology, Industrial Minerals, Ceramic Raw Materials, Geological Building Materials, Clays, Mineral Raw Materials Economics and Laws, Environmental Geology.

International experience

SOCRATES missions to: Universidad de Castilla-La Mancha (Spain), April 1999; Universidad de Granada (Spain), May 1999 and September 2002; Universidad de Cádiz (Spain), May 2000 and June 2001.

Direction of the Post-Graduation Short-Course "Clays and Society (Environment, Pellotherapy, Cultural Heritage)", hold in the Institute of Inorganic Chemistry, Slovak Academy of Sciences, Bratislava, May 2004.

Institutional Co-ordinator of the ERASMUS Intensive Programme ADVANCECLAY (Advances in Clay Sciences), 2008/10.

Institutional Co-ordinator of the ERASMUS Intensive Programme Advances in the characterisation of industrial minerals, 2009/11.

<p>Regular employment</p>	<p>Geologist, PANDE – Civil Construction Enterprise (Lisboa), 1984/86 Probationer Lecturer, University of Aveiro, 1986/ 1990. Lecturer, University of Aveiro, 1990/ 1994. Assistant Professor, University of Aveiro, 1994/ 1997. Associated Professor, University of Aveiro, 1997/2002 Full Professor, University of Aveiro, since 2002 Deputy Head, Geosciences Department, University of Aveiro, 1994/95 and 1996/97 Head, Geosciences Department, University of Aveiro, 1998/99 and 2000/01 Coordinator, “Industrial Minerals and Clays” Research Centre, since April 2003 Coordinator, “GeoBioTec” Research Centre, since June 2007 Pro-Rector, University of Aveiro, since December 2003 to February 2008 Vice-Rector, University of Aveiro, since March 2008</p>
<p>Studies</p>	<p>Grad. Geology, University of Lisboa, 1984. MSc., Geosciences (Raw materials), University of Aveiro, 1990. PhD., Geosciences (Mineralogy), University of Aveiro, 1994. DSc., Geosciences (Clay Science), University of Aveiro, 2000.</p>
<p>Five selected references and Book section</p>	<p>J. Silva, C. Gomes & F. Rocha (2003) - Portuguese clays used in geomedicine: a study of their relevant properties. In : <i>2001 – A Clay Odyssey</i>. Elsevier (ISBN 0-444-50945-3), E. Dominguez, G. Mas & F. Cravero (eds.), pp. 315-322.</p> <p>E. Fakhfakh, I. Chakroun, I. Chaari, M. Medhioub, F. Rocha, C. Gomes, A. Lopez-Galindo, F. Zargouni & F. Jamoussi (2005) - Chemical and physical characterisation of some Tunisian smectitic clays for human healing use. <i>Acta Geodynamica et Geomaterialia</i>, Czech Academy of Sciences, 2(2) - 138, pp. 39-45.</p> <p>M. Rebelo, P. Gonçalves, E. Silva & F. Rocha (2005) - Studies on physical and chemical properties of some portuguese mesocenozoic clayey formations traditionally used as curative or healing materials. <i>Acta Geodynamica et Geomaterialia</i>, Czech Academy of Sciences, 2(2) - 138, pp. 151-155.</p> <p>D. Terroso, E. Ferreira da Silva, C. Patinha, F. Rocha, V. Forjaz & A. Santos (2006) - Hydrogeochemistry of thermal spring and caldera waters in Sao Miguel island (Azores, Portugal) and possible applications in Spa treatments. <i>Metal Ions in Biology and Medicine</i>, 9, pp. 78-84.</p> <p>D. Terroso, F. Rocha, E. Ferreira da Silva, C. Patinha & V. Forjaz (2006) - Chemical and physical characterization of mud/clay from Sao Miguel and Terceira islands (Azores, Portugal) and possible application in Pelotherapy. <i>Metal Ions in Biology and Medicine</i>, 9, pp. 85-92.</p>