

# Cultural Heritage and Sciences

## Journals

### Published

GOUVEIA, M.A., PRUDÊNCIO, M.I., New Data on Sixteen Reference Materials Obtained by INAA. *Journal of Radioanalytical and Nuclear Chemistry*, **245** (1) (2000) 105-108.

NASRAOUI, M., BILAL, E., The Pyrochlore, a Geochemical Memory of Different Alteration Stages of the Lueshe Ore Deposit (NE ex-Zaire), *Journal of Asian Earth Sciences* **18** (2000) 237-251.

NASRAOUI, M., TOULKERIDIS, T., CLAUER, N., BILAL, E., Differentiated Hydrothermal and Meteoric Alterations of the Lueshe Carbonatite Complex (Democratic Republic of Congo) Identified by REE Study Combined with a Sequential Acid-Leaching Experiment, *Chemical Geology* **165** (2000) 109-132.

PRUDÊNCIO, M.I., SOARES, A.M., ARAÚJO, M.F., GOUVEIA, M.A., DIAS, M.I., WAERENBORGH, J.C., ALVES, L.C., Ciências Aplicadas à Arqueologia: Trabalho Desenvolvido no Instituto Tecnológico e Nuclear, *Trabalhos de Arqueologia da EAM*, Portugal, **Vol. 4/5** (2000) 8 pp.

RICHTER, D., WAIBLINGER, J., RINK, W.J., WAGNER, G.A., Thermoluminescence, Electron Spin Resonance and <sup>14</sup>C-Dating of the Late Middle and Early Upper Palaeolithic Site Geißenklösterle Cave in Southern Germany, *Journal of Archaeological Science* **27** (2000) 71-89.

### Accepted for publication or in press

ROCHAS, E., NASRAOUI, M., SOUBIES, F., BILAL, E., Evolution Géochimique du pyrochlore au cours de l'altération météorique du gisement de Catalão II (Goiás, Brésil), *Compte Rendus de l'Académie des Sciences Paris* (2000), in press.

## Books and Book Chapters

KIESELBACH, P., KIND, C.-J., MILLER, A.M., RICHTER, D., Siebenlinden 2. Ein mesolithischer Lagerplatz bei Rottenburg am Neckar, Kreis Tübingen. Materialhefte zur Archäologie in Baden-Württemberg 51, Konrad Theiss Verlag, Stuttgart, (2000) 235p.

## Conference Proceedings

### Published

DIAS, M.I., PRUDÊNCIO, M.I., GONÇALVES, M.A., SEQUEIRA BRAGA, M.A., GOUVEIA, M.A., Geochemical and Mineralogical Diversity of Clay

Materials in Fornos de Algodres Region (Central Portugal) and its Implications on Provenance Studies of Ancient Ceramics, *Proceedings of the 1<sup>st</sup> Latin American Clay Conference*, Funchal 2000, Vol II (2000) 237-244.

DIAS, M.I., PRUDÊNCIO, M.I., PRATES, S., GOUVEIA, M.A., VALERA, A.C., Tecnologias de Produção e Proveniência de Matéria-Prima das Cerâmicas Campaniformes da Fraga da Pena (Fornos de Algodres – Portugal), *Actas do 3º Congresso de Arqueologia Peninsular*, V.Real, Portugal, vol IV (2000) 253-268.

DIAS, M.I., ROCHA, F., PRATES, S., Fibrous Clay Minerals from a Tertiary Continental Deposit (Malpica do Tejo, Portugal) - Mineralogical and Statistical Analysis, *Proceedings of the 1<sup>st</sup> Latin American Clay Conference*, Funchal 2000, Vol II (2000) 49-56.

PRUDÊNCIO, M.I., M.A. GOUVEIA, M.A., FREITAS, M.C., CHAVES, L., MARQUES, M.A., Soil Versus Lichen Analysis on Elemental Dispersion Studies (north of Portugal), *Proceedings of the International Workshop "Biomonitoring of Atmospheric Pollution (with emphasis on trace elements)- BIOMAP*, IAEA- TECDOC-1152, (2000) 91-99.

PRUDÊNCIO, M.I., NASRAOUI, M., TRINDADE, M. J., SEQUEIRA BRAGA, M.A., FIGUEIREDO, M.O., Secondary Phosphate Phases in Altered Trachyte from S. Miguel Island (Azores, Portugal) – a Possible Contribution to the Stone Degradation. *Proceedings of the IX International Congress on Stone*, Venice, Elsevier eds., Vol 1 (2000) 165-170.

ROMÃO, P., PRUDÊNCIO, M.I., FIGUEIREDO, M.O., TRINDADE, M.J., NASRAOUI, M., GOUVEIA, M.A., SILVA, T., The São Sebastião Church of Terceira Island (Azores, Portugal) – Characterisation of the Stones and their Biological Colonisation, *Proceedings of the IX International Congress on Stone*, Venice, Elsevier Eds., Vol 1 (2000) 493-497.

SEQUEIRA BRAGA, M.A., DELGADO RODRIGUES, J., ALVES, C.A., COSTA, D., SILVA, T., TRINDADE, M.J., WAERENBORGH, J.C., NASRAOUI, M., GOUVEIA, M.A., Trachyte Stones in Monuments of the São Miguel and Terceira Islands, Azores (Portugal), *Proceedings of the 9<sup>th</sup> International Congress on Deterioration and Conservation of Stone*, Ed. Vasco Fassina, Elsevier, Amsterdam, The Netherlands, Vol.1, 2000, pp. 235-245.

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DIAS, M.I., PRUDÊNCIO, M.I., GOUVEIA, M.A., VALERA, A.C., SEQUEIRA BRAGA, M.A., ALVES, C.A., Pottery Production Technology Through out the 3<sup>rd</sup> Millennium BC on a Local Settlement Network in Central Portugal: Comparing Results from Castro de Santiago and Fraga da Pena Sites, *Proceedings of the 32<sup>nd</sup> International Symposium of Archaeometry*, Mexico, in press.

DIAS, M.I., PRUDÊNCIO, M.I., VALERA, A.C., SEQUEIRA BRAGA, M.A., GOUVEIA, M.A., Provenance and Technology of Pre-Historic Pottery from Fornos de Algodres (Portugal): the Fraga da Pena Archaeological Site, *Proceedings of the EMAC'99*, Athens, in press.

OLIVEIRA, F., PRUDÊNCIO, M.I., SEQUEIRA BRAGA, M.A., DELGADO, M., GOUVEIA, M.A., MARTINS, M., The "Bracarense" Ceramics from Roman Settlements of the North of Portugal and Galiza (Spain), *Proceedings of the 32<sup>nd</sup> International Symposium of Archaeometry*, Mexico, in press.

POLVORINOS DEL RIO, A., DIAS, M.I., GÓMEZ MORÓN, M.A., SEQUEIRA BRAGA, M.A., VALERA, A.C., PRUDÊNCIO, M.I., GOUVEIA, M.A., ALVES, C.A., Archaeometry of the Pre-Historical Fraga da Pena Fortified Settlement (Central Portugal): Morphometric, Mineralogical and Chemical Analyses of Ceramics, *Proceedings of the 32<sup>nd</sup> International Symposium of Archaeometry*, Mexico, in press.

RICHTER, D., WAGNER, G.A., RINK, W.J., FREUND, G., WEISMÜLLER, W., REISCH, L. AND BÖHNER, U., Luminescence Ages for the Middle Palaeolithic Sequences of the 'Sesselfelsgrotte' and the 'Abri I Schulerloch', Bavaria, Southern Germany. In: *Wissenschaftliche Veröffentlichungen des Neanderthalmuseums*, 2000, in press.

RICHTER, D., Thermoluminescence Dating of Heated Flint. Method and Application. *Proceedings of the VIII International Flint Symposium*, in press.

## Communications

DIAS, M.I., Caracterização Química de Cerâmica Arqueológica. Produção e Proveniência, *Workshop Ciências Aplicadas à Arqueologia*, 14 April 2000, Sacavém, Portugal. (oral)

DIAS, M.I., PRUDÊNCIO, M.I., GONÇALVES, M.A., SEQUEIRA BRAGA, M.A., GOUVEIA, M.A., Geochemical and Mineralogical Diversity of Clay Materials in Fornos de Algodres Region (Central Portugal) and its Implications on Provenance Studies of Ancient Ceramics, *1<sup>st</sup> Latin American Clay Conference*, Funchal, Portugal, September 2000. (poster)

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DIAS, M.I., ROCHA, F., PRATES, S., Fibrous Clay Minerals from a Tertiary Continental Deposit (Malpica do Tejo, Portugal) - Mineralogical and Statistical Analysis, *1<sup>st</sup> Latin American Clay Conference*, Funchal, Portugal (2000). (poster)

OLIVEIRA, F., PRUDÊNCIO, M.I., SEQUEIRA BRAGA, M.A., DELGADO, M., GOUVEIA, M.A., MARTINS, M., The "Bracarense" Ceramics from Roman Settlements of the North of Portugal and Galiza (Spain), *32<sup>nd</sup> International Symposium of Archaeometry*, Cidade do México, México, May 2000. (poster)

POLVORINOS DEL RIO, A., DIAS, M.I., GÓMEZ MORÓN, M.A., SEQUEIRA BRAGA, M.A., VALERA, A.C., PRUDÊNCIO, M.I., GOUVEIA, M.A., ALVES, C.A., Archaeometry of the Pre-Historical Fraga da Pena Fortified Settlement (Central Portugal): Morphometric, Mineralogical and Chemical Analyses of Ceramics, *32<sup>nd</sup> International Symposium of Archaeometry*, Cidade do México, México, May 2000. (poster)

PRUDÊNCIO, M.I., NASRAOUI, M., TRINDADE, M. J., SEQUEIRA BRAGA, M.A., FIGUEIREDO, M.O., Secondary Phosphate Phases in Altered Trachyte from S. Miguel Island (Azores, Portugal) – a Possible Contribution to the Stone Degradation, *IX International Congress on Stone*, Venice, Italy, June 2000. (oral)

PRUDÊNCIO, M.I., SEQUEIRA BRAGA, M.A., PAQUET, H., WAERENBORGH, J.C., PEREIRA, L.C.J., GOUVEIA, M.A., Clay Mineral Assemblages in Weathering Basalt Profiles from Central and Southern Portugal: Climatic Significance, *Weathering 2000*, Belfast, U.K, June 2000. (poster)

RICHTER, D., ZINK, A.J.C., PRUDÊNCIO, M.I. Luminescence Dating in Archaeology and the New Laboratory at ITN, *6<sup>th</sup> Annual meeting European Archaeologists Association*, 10-17 September 2000, Lisbon, Portugal. (poster)

ROMÃO, P., PRUDÊNCIO, M.I., FIGUEIREDO, M.O., TRINDADE, M.J., NASRAOUI, M., GOUVEIA, M.A., SILVA, T., The São Sebastião Church of Terceira Island (Açores, Portugal) – Characterisation of the Stones and their Biological Colonisation, *IX International Congress on Stone*, Venice, Italy, June 2000 (poster).

SEQUEIRA BRAGA, M.A., DELGADO RODRIGUES, J., ALVES, C.A., COSTA, D., SILVA, T., TRINDADE, M.J., WAERENBORGH, J.C., NASRAOUI, M., GOUVEIA, M.A., Trachyte Stones

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VISOCEKAS, R., ZINK, A.J.C., Comparing Fading in Feldspars by the Bir Spectral Analysis, *Annual UK Luminescence Workshop*, 10-12 July 2000, Oxford, UK (oral).

ZINK, A.J.C., Multiplicité des méthodes de datation par luminescence: inconveniente ou avantage? *XXI Rencontre Internationales d'Archéologie et d'Histoire d'Antibes - Datation*, 19-21 October 2000, Antibes, France. (poster)

ZINK, A.J.C., RICHTER, D., PRUDÊNCIO, M.I., Setting-up of a New Luminescence Dating Lab (ITN, Sacavém, Portugal), *Annual UK Luminescence Workshop*, 10-12 July 2000, Oxford (UK). (poster).

ZINK, A.J.C., TL/OSL I-Méthodologie. *Workshop Ciências Aplicadas à Arqueologia*, April 2000, Sacavém, Portugal. (oral)

## Internal Reports

ZINK, A.J.C., Luminescence dating - A New Research Tool in ITN, *Internal report ITN/SQ-N-2000/1*, Sacavém (2000).

## Theses

### MSc.

A. GOMES

*Cerâmicas pintadas da época romana: tecnologia, tipologia e cronologia*

Univ. Minho, 2000

Co-supervisor: M. Isabel Prudêncio

A. GASPAR

*Contribuição para o estudo de cerâmicas dos séc. V-VI DC de Braga*

Univ. Minho, 2000

Co-supervisor: M. Isabel Prudêncio