

# TRABALHOS PUBLICADOS EM 2011

## ARTIGOS COMPLETOS PUBLICADOS EM PERIÓDICOS:

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2. Kurudirek, Murat; Dogan, Bekir ; Özdemir, Yüksel; MOREIRA, Anderson Camargo; Appoloni, Carlos R.. Analysis of some Earth, Moon and Mars samples in terms of gamma ray energy absorption buildup factors: Penetration depth, weight fraction of constituent elements and photon energy dependence. Radiation Physics and Chemistry (1993), v. 80, p. 354-364, 2011.
3. MARQUES, Leonardo Carmezini; Appoloni, Carlos Roberto; FERNANDES, Celso Peres; Appoloni, Carlos R.. Porosity study of synthetic sandstones by non-destructive nuclear techniques. Materials Research (São Carlos. Impreso), v. 14, p. 394-402, 2011.
4. Boldo, Emerson Mario; Appoloni, Carlos R.. Detection of Defects in Acrylic and Steel Inclusions in Gypsum Using Compton Backscattered Gamma Rays. AIP Conference Proceedings, v. 1351, p. 321-325, 2011.
5. MELQUIADES, Fabio Luiz; BASTOS, Rodrigo Oliveira; Biasi, Gabriel E. V.; PARREIRA, Paulo Sergio; APPOLONI, C. R.. Granulometry and Moisture Influence for In Situ Soil Analysis by Portable EDXRF. AIP Conference Proceedings, v. 1351, p. 317-320, 2011.
6. BASTOS, Rodrigo Oliveira; Appoloni, Carlos R.; PINESE, José Paulo P.. Radioactivity of a Rock Profile from Rio do Rasto Formation Measured by High Resolution Gamma Spectrometry. AIP Conference Proceedings, v. 1351, p. 363-366, 2011.
7. Nagata, Rodrigo; Appoloni, Carlos R.; MARQUES, Leonardo Carmezini; FERNANDES, Jaquiel Salvi. Influence of Spatial Resolution on SiC Industrial Foam s Structural Parameters Obtained by X-ray Microtomography. AIP Conference Proceedings, v. 1351, p. 298-301, 2011.
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9. MARESTONI, Luiz Diego; APPOLONI, C. R.; EICHET, J. R.. Minimum level of component discrimination for characterization of biphasic mixtures (oil / brine or gas) using gamma and x-ray transmission. Semina. Ciências Exatas e Tecnológicas (Impreso), v. 32, p. 191-198, 2011.

10. Luz Filho, Isaias Venancio da; SCHEIBEL, Viviane; APPOLONI, C. R.. Natural radioactivity in poultry rations and DCP for bovine nutrition. AIP Conference Proceedings, v. 1351, p. 349-352, 2011.

11. Ikeoka, Renato Akio; APPOLONI, C. R.; PARREIRA, Paulo Sergio; LOPES, Fabio; Bandeira, Arkley M.. Preliminary analysis of Brazilian archaeological ceramics by non-destructive analytical technique. AIP Conference Proceedings, v. 1351, p. 326-331, 2011.

## **LIVROS PUBLICADOS E CAPÍTULOS DE LIVROS:**

1. MOREIRA, Anderson Camargo; PORTEZAN, O. ; CAVALCANTE, Fábio Henrique de Moraes; APPOLONI, Carlos Roberto. Determination of Hydraulic Conductivity of Undisturbed Soil Column: a Measurement Accomplished with the Gamma Ray Transmission Technique. In: Oagile Dikinya. (Org.). (Org.). Developments in Hydraulic Conductivity Research. 1 ed. Rijek: InTech, 2011, v. unico, p. 195-212.
2. Galvão, Tiago D. ; LOPES, Fabio ; APPOLONI, C. R. . Exame da sensibilidade analítica em sistemas PXRf para análises de obsidianas. In: Silvana Bertolino; Roxana Cattáneo; Andrés D. Izeta. (Org.). La arqueometría en Argentina y Latinoamérica. 1.a ed. Córdoba-Argentina: Universidad Nacional de Córdoba - Editorial de la Facultad de Filosofía y Humanidades, 2011, v. único, p. 183-188.

## **TRABALHOS COMPLETOS PUBLICADOS EM ANAIS DE CONGRESSO:**

1. FERNANDES, Jaquiel Salvi; Appoloni, Carlos R.; FERNANDES, Celso Peres. Microstructure parameters evaluation of silicified sandstone by X-ray microstructure. In: Micro-CT User Meeting, 2011, Leuven. Sky Scan User Meeting 2011 - Abstract Book, 2011. v. 1. p. 170-175.
2. Boldo, Emerson Mario; Prestes, Ana A. P.; Appoloni, Carlos R.. POSITIONING OF STEEL RODS INCLUSIONS IN REINFORCED CONCRETE SIMULANT BY COMPTON BACKSCATTERING. In: 2011 International Nuclear Atlantic Conference - INAC 2011, 2011, Belo Horizonte. DVD\_ 2011 International Nuclear Atlantic Conference - INAC 2011\_PAPERS, 2011. V. único. p. 1-10.
3. MARQUES, Leonardo Carmezini; Nagata, Rodrigo; Appoloni, Carlos R.; MOREIRA, Anderson Camargo; FERNANDES, Celso Peres. QUALITATIVE AND QUANTITATIVE ANALYSIS OF DIFFERENT FLUID PHASES IN SAMPLES OF GLASS BEADS BY X-RAY MICROTOMOGRAPHY. In: 2011 International Nuclear Atlantic Conference - INAC 2011, 2011, Belo Horizonte. DVD\_ 2011 International Nuclear Atlantic Conference - INAC 2011\_PAPERS, 2011. v. único. p. 1-8.
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5. MARQUES, Leonardo Carmezini; Appoloni, Carlos R.; Nagata, Rodrigo; FERNANDES, Celso Peres. Application of the X-ray microtomography for the Visualization of Fluid Multi-phasic in Glass Beads Samples. In: XXXIV edition of the Brazilian Workshop on Nuclear Physics, 2011, Foz de Iguaçu. XXXIV edition of the Brazilian Workshop on Nuclear Physics. Trieste: PoS - Proceedings of Science, 2011. V. único. p. 1-6.
6. Nagata, Rodrigo; Appoloni, Carlos R.; MARQUES, Leonardo Carmezini. Analysis of the Cell Walls of Ceramic Foams by X-ray Microtomography. In: XXXIV edition of the Brazilian Workshop on Nuclear Physics, 2011, Foz de Iguaçu. XXXIV edition of the Brazilian Workshop on Nuclear Physics. Trieste: PoS - Proceedings of Science, 2011. V. único. p. 1-5.
7. Boldo, Emerson Mario; Prestes, Ana A. P.; APPOLONI, C. R.. A Geometry and Collimation Study of a Compton Backscatter Device for Inclusions Detection in Materials. In: XXXIV edition of the Brazilian Workshop on Nuclear Physics, 2011, Foz de Iguaçu. XXXIV edition of the Brazilian Workshop on Nuclear Physics. Trieste: PoS - Proceedings of Science, 2011. V. único. p. 1-7.

## **RESUMOS PUBLICADOS EM ANAIS DE CONGRESSO:**

1. LIMA, Silvia Cunha; Appoloni, Carlos R.; SILVA, Wisley Dueli da; Fleming, Maria Isabel D'Agostino . Chimu Culture Ceramics Studied by PXRf. In: Non-destructive and microanalytical techniques in art and cultural heritage - Technart 2011, 2011, Berlim. Book of Abstracts - Technart 2011. Berlim: BAM, 2011. V. único. p. 67.
2. Appoloni, Carlos R.; MELQUIADES, Fabio Luiz; LOPES, Fabio. Analysis of archaeological glass objects fragments by Portable Energy Dispersive X-Ray Fluorescence (PXRf). In: Non-destructive and microanalytical techniques in art and cultural heritage - Technart 2011, 2011, Berlim. Book of Abstracts - Technart 2011. Berlim: BAM, 2011. V. único. p. 148.
3. BLONSKI, Maria Sélia; Appoloni, Carlos R.. Analysis of Pigments on Wood Sculptures and Adornments using a Portable System PXRf. In: Non-destructive and microanalytical techniques in art and cultural heritage - Technart 2011, 2011, Berlim. Book of Abstracts - Technart 2011. Berlim: BAM, 2011. V. único. p. 151.
4. Luz Filho, Isaias Venancio da; SCHEIBEL, Viviane; APPOLONI, C. R.. Natural Radiation Content in Animal Feed and Dicalcium Phosphate by Gamma-Ray Spectrometry. In: 8th Topical Meeting on Industrial Radiation and Radioisotope Measurement Applications - IRRMA-8, 2011, Kansas City - EUA. IRRMA - 8 Schedule and Abstract Book. Kansas City: Kansas State University, 2011. V. único. p. 47.
5. APPOLONI, C. R.; LIMA, Silvia Cunha; Fleming, Maria Isabel D' Agostino. An Attic Crater at MAE-USP-BRAZIL: a Case Study for Conservation Employing Portable X-Ray Fluorescence Methodology. In: 8th Topical Meeting on Industrial Radiation and Radioisotope Measurement Applications - IRRMA-8, 2011, Kansas City - EUA. IRRMA - 8 Schedule and Abstract Book. Kansas City: Kansas State University, 2011. V. único. p. 70.
6. MARESTONI, Luiz Diego; ANDRELLO, Avacir Casanova; APPOLONI, C. R.. Superficial soil erosion assessment in agricultural land and bare land using <sup>7</sup>Be fallout. In: 8th Topical Meeting on Industrial Radiation and Radioisotope Measurement Applications - IRRMA-8, 2011, Kansas City - EUA. IRRMA - 8 Schedule and Abstract Book. Kansas City: Kansas State University, 2011. V. único. p. 148.
7. FERNANDES, Jaquiel Salvi; APPOLONI, C. R.; FERNANDES, Celso Peres. Determination of Representative Elementary Volume for Reservoir Rocks by X-Ray Microtomography. In: 8th Topical Meeting on Industrial Radiation and Radioisotope Measurement Applications - IRRMA-8, 2011, Kansas City - EUA. IRRMA - 8 Schedule and Abstract Book. Kansas City: Kansas State University, 2011. V. único. p. 154.

8. APPOLONI, C. R.; Claudia Ines Parellada; MELQUIADES, Fabio Luiz; Jussiani, Eduardo I. ; Pereira, Fernanda C.; LOPES, Fabio. The first in situ portable Raman and XRF study of rock art in South America: paintings from Morro Azul caves in Paraná State, Brazil. In: 6th International Congress on the Application of Raman Spectroscopy in Art and Archaeology, 2011, Parma, Italia. RAA 2011 - Book of Abstracts. Bologna: TIMEO Editore, 2011. V. único. p. 98.
9. MELQUIADES, Fabio Luiz; Endo, Lucas Yoshimi; LOPES, Fabio; PORTEZAN FILHO, Otávio; Appoloni, Carlos R.; PARREIRA, Paulo Sergio. FLUORESCÊNCIA DE RAIOS X APLICADA À QUANTIFICAÇÃO DE METAIS EM SUPLEMENTOS POLIMINERAIS. In: Simpósio Latino Americano de Ciência de Alimentos - 9 SLACA, 2011, Campinas. Abstracts from 9 SLACA. , Campinas, 2011. Campinas: UNICAMP, 2011. V. único. p. 1.
10. APPOLONI, C. R.; LOPES, Fabio; Ribeiro, A.. Analysis of a painting attributed to Amedeo Modigliani (in process of authentication), known as Velieri Livorno. In: 3rd Latin-American Symposium on Physical and Chemical Methods in Archaeology, Art and Cultural Heritage Conservation - LASMAC 2011, 2011, Lima, Peru. LASMAC 2011 - Book of Abstracts. Lima: Universidad Nacional Mayor de San Marcos, 2011. V. único. p. 42.
11. Thomé, L. E. ; RIZZUTTO, Marcia de Almeida; APPOLONI, C. R.; Riba, E. M.; LOPES, Fabio; Kajiya, E. A. M.; Campos, P. H. O. V.. Análisis por FRX del "O Sapo Dourado" del archivo personal de Mario de Andrade. In: 3rd Latin-American Symposium on Physical and Chemical Methods in Archaeology, Art and Cultural Heritage Conservation - LASMAC 2011, 2011, Lima, Peru. LASMAC 2011 - Book of Abstracts. Lima: Universidad Nacional Mayor de San Marcos, 2011. V. único. p. 69.