

## Ordem de títulos – Pôster

### PT.BIO.01

#### **Morphological And Morphometrical Analysis Of The Initial Segment And Cauda Of Epididymis In Obese *Wistar* Rats Submitted To Duodenal-jejunal Bypass Surgery**

Retameiro ACB<sup>1</sup>, Scarton SRS<sup>1</sup>, Beu CCL<sup>1</sup> - <sup>1</sup>Universidade Estadual do Oeste do Paraná - UNIOESTE

### PT.BIO.02

#### **Biological Evaluation Of 2,1,3-Benzoselenodiazole Derivatives As The New Lipids Probes For Cellular Imaging**

Barbosa ALA<sup>1</sup>, Correa JR, Medeiros IR, Andrade LP, Brenno AD - <sup>1</sup>Universidade de Brasília - Departamento de Biologia Ceular

### PT.BIO.03

#### **The Use of Scanning Electron Microscopy to Characterize Veterinary Dental Pathologies**

Zeemann L<sup>1</sup>, Zeemann A - <sup>1</sup>LZ ODONTOVETERINÁRIA

### PT.BIO.04

#### **Cerebral Palsy In Rats Alters The Ultrastructure Of Striated Skeletal Muscle**

Barbosa A<sup>1</sup>, Buratti P<sup>1</sup>, Covatti C<sup>1</sup>, Maximo DS<sup>1</sup>, Centenaro LA<sup>1</sup>, Ribeiro LC<sup>1</sup>, Torrejais MM<sup>1</sup> - <sup>1</sup>Universidade Estadual do Oeste do Paraná - Unioeste

### PT.BIO.05

#### **Analysis of Skeletal Muscle Fibers of Obese Wistar Rats Submitted to Duodenojejunal Bypass**

Barbosa A<sup>1</sup>, Oliveira MC<sup>1</sup>, Buratti P<sup>1</sup>, Kuhn C<sup>1</sup>, Covatti C<sup>1</sup>, Balbo SL<sup>1</sup>, Torrejais MM<sup>1</sup> - <sup>1</sup>Universidade Estadual do Oeste do Paraná - Unioeste

### PT.BIO.06

#### **Ezrin Expression In Equine Endometritis - Preliminary Results**

Batista BPS<sup>1</sup>, Silva KVGC, Leite JS, Ferreira AMR - <sup>1</sup>Universidade Federal Fluminense - Programa de Pós-Graduação em Clínica e Reprodução Animal. Faculdade de Medicina Veterinária.

### PT.BIO.07

#### **Chronic Equine Endometritis: HER-2 Receptor Expression - Preliminary Results**

Batista BPS<sup>1</sup>, Silva KVGC, Leite JS, Ferreira AMR - <sup>1</sup>Universidade Federal Fluminense - Programa de Pós-Graduação em Clínica e Reprodução Animal. Faculdade de Medicina Veterinária.

### PT.BIO.08

#### **Histopathological Analysis of Gills as an Indicator of the Aquatic Environment Quality in South Brazilian Grasslands**

Zwetsch BZ<sup>1</sup>, Souza MS, Corte RBD, Gehlen G - <sup>1</sup>Universidade Feevale - Laboratório de Histologia Comparada

### PT.BIO.09

#### **Effects of Type 1 Diabetes Mellitus on Developing Enamel**

Silva BLL<sup>1</sup>, Medeiros DL<sup>2</sup>, Soares AP<sup>1</sup>, Line SRP<sup>3</sup>, Pinto MGF<sup>4</sup>, Soares TJ<sup>1</sup>, do Espírito Santo AR<sup>5</sup> -  
<sup>1</sup>Universidade Federal da Bahia - Instituto Multidisciplinar em Saúde, <sup>2</sup>Universidade Federal da Bahia - Escola de Nutrição, <sup>3</sup>Universidade de Campinas - Faculdade de Odontologia de Piracicaba, <sup>4</sup>Universidade Federal da Bahia - Escola de Medicina Veterinária e Zootecnia, <sup>5</sup>Universidade Federal da Bahia - Instituto de Ciências da Saúde

**PT.BIO.10**

**The Effect of Type 1 Diabetes Mellitus on Mature Enamel Structure and Physicochemical Properties**

Silva BLL<sup>1</sup>, Medeiros DL<sup>2</sup>, Soares AP<sup>1</sup>, Line SRP<sup>3</sup>, Pinto MGF<sup>4</sup>, Soares TJ<sup>1</sup>, do Espírito Santo AR<sup>5</sup> -  
<sup>1</sup>Universidade Federal da Bahia - Instituto Multidisciplinar em Saúde, <sup>2</sup>Universidade Federal da Bahia - Escola de Nutrição, <sup>3</sup>Universidade de Campinas - Faculdade de Odontologia de Piracicaba, <sup>4</sup>Universidade Federal da Bahia - Escola de Medicina Veterinária e Zootecnia, <sup>5</sup>Universidade Federal da Bahia - Instituto de Ciências da Saúde

**PT.BIO.11**

**Differentiation of the species of the sturtevanti subgroup (saltans group, Drosophila) based on morphological characteristics analyzed by SEM.**

Roman BE<sup>1</sup>, Madi-Ravazzi L<sup>1</sup> - <sup>1</sup>UNIVERSIDADE ESTADUAL PAULISTA -UNESP-IBILCE - DEPARTAMENTO DE BIOLOGIA

**PT.BIO.12**

**Finasteride alters female prostate initial development**

Sanches BDA<sup>1</sup>, Maldarine JS<sup>1</sup>, Zani BC<sup>2</sup>, Vilamaior PSL<sup>2</sup>, Taboga SR<sup>2</sup> - <sup>1</sup>UNICAMP - Instituto de Biologia - IB, <sup>2</sup>UNESP-IBILCE - Departamento de Biologia

**PT.BIO.13**

**Pre- And Post-oviposition Egg Morphology And Its Interaction with Sperm Cell In *Loxosceles intermedia* (ARANEAE: SICARIIDAE)**

dos Reis CA<sup>1</sup>, Soares MAM, Gomes JR, Costa-Ayub CLSA - <sup>1</sup>State University of Ponta Grossa

**PT.BIO.14**

**The Effects Of Chitosan and Alginate Membranes Doped With Extract Of *Ilex paraguariensis* On Cell Proliferation During The Wound Skin Healing Process**

Correa FAC, Fontes ALG, dos Reis CA<sup>1</sup>, Omar NF, Soares MAM, Pereira AV, Gomes JR<sup>2</sup> - <sup>1</sup>Ponta Grossa State University, <sup>2</sup>Ponta Grossa State University - Laboratory of Cellular, Tissue and Developmental Biology

**PT.BIO.15**

**An Evaluation of an Animal Model of Cerebral Palsy: the Effects on the Ultrastructure of the Extensor Digitorum Longus Muscle**

Kuhn C<sup>1</sup>, Covatti C<sup>1</sup>, Buratti P<sup>1</sup>, Centenaro LA<sup>1</sup>, Brancalhão RMC<sup>1</sup>, Torrejais MM<sup>1</sup> - <sup>1</sup>Unioeste

**PT.BIO.16**

**Morphological Study of the Extensor Digitorum Longus in the Offspring of Rats Submitted or Not to Roux-en-Y Gastric Bypass - RYGB**

Kuhn C<sup>1</sup>, Buratti P<sup>1</sup>, Covatti C<sup>1</sup>, Beraldi EJ<sup>1</sup>, Balbo SL<sup>1</sup>, Torrejais MM<sup>1</sup> - <sup>1</sup>Unioeste

**PT.BIO.17**

**Ultrastructural Aspects of *Trichodina heterodentata* in *Carassius auratus* (Goldfish) Gills**

Moyses CRS<sup>1</sup>, Spadacci-Morena DD<sup>2</sup>, Xavier JG<sup>1</sup>, Alvares-Saraiva AM<sup>1</sup>, Lallo MA<sup>1</sup> - <sup>1</sup>Universidade Paulista - Programa de Pós-Graduação em Patologia Ambiental e Experimental, <sup>2</sup>Instituto Butantã - Laboratório de Fisiopatologia

**PT.BIO.18**

**Neem Oil Compromises The Cellular Cortex Of The Midgut Cells Of *Ceraeochrysa claveri* (Neuroptera: Chrysopidae)**

Silva CMM<sup>1</sup>, Carvalho SF<sup>1</sup>, Scudeler EL<sup>2</sup>, Santos DC<sup>1,2</sup> - <sup>1</sup>Instituto de Biociências de Botucatu/UNESP - Centro de Microscopia Eletrônica do IBB, <sup>2</sup>Instituto de Biociências de Botucatu/UNESP - Laboratório de Insetos/ Departamento de Morfologia

**PT.BIO.19**

**Role of Native Microorganisms in Iron and Manganese Cycling in Doce River and Tributaries Affected by Mining Waste from Collapsed Fundão Dam**

Keim CN<sup>1</sup> - <sup>1</sup>UFRJ - Instituto de Microbiologia Paulo de Góes

**PT.BIO.20**

**Biological Activity of the Combination of Benzonidazole with Copaiba Oil (*Copaifera Martii*) and Kaurenoic Acid against *Trypanosoma Cruzi***

Kian D<sup>1</sup>, Lancheros CAC<sup>2</sup>, Pavanelli W<sup>3</sup>, Pinge-Filho P<sup>3</sup>, Arakawa NS<sup>4</sup>, da Veiga Junior VF<sup>5</sup>, Nakamura CV<sup>2</sup>, Yamada-Ogatta SF<sup>1</sup>, Yamauchi LM<sup>1</sup> - <sup>1</sup>State University of Londrina - Department of Microbiology, <sup>2</sup>State University of Maringá - Department of Basic Health Sciences, <sup>3</sup>State University of Londrina - Department of Pathological Sciences, <sup>4</sup>State University of Londrina - Department of Pharmaceutical Sciences, <sup>5</sup>Federal University of Amazonas - Department of Chemistry

**PT.BIO.21**

**Evaluation of Ectonucleotidase Activity and NTPDase-1 Immunolocalization in Different Strains and Clones of *Trypanosoma Cruzi***

Neves-do-Valle MAA<sup>1</sup>, Oliveira CM<sup>2</sup>, Santos HCP<sup>1</sup>, Menezes WA<sup>3</sup>, Bressan GC<sup>3</sup>, Almeida MR<sup>3</sup>, Fietto JLR<sup>3</sup> - <sup>1</sup>Instituto Federal de Educação, Ciência e Tecnologia de Minas Gerais - IFMG, <sup>2</sup>Instituto Federal de Educação, Ciência e Tecnologia de Alagoas - IFAL, <sup>3</sup>Universidade Federal de Viçosa, MG - Departamento de Bioquímica e Biologia Molecular

**PT.BIO.22**

**Notch inhibition enhances myoblast proliferation during chick myogenesis**

Andrade IR<sup>1</sup>, Manoel Costa<sup>1</sup>, Mermelstein C<sup>1</sup> - <sup>1</sup>UFRJ - Instituto de Ciências Biomédicas

**PT.BIO.23**

**Extracellular Matrix Affects Focal Adhesion Kinase (FAK) Localization in Prostatic Smooth Muscle Cells**

Rodríguez DO<sup>1</sup>, Santos AM<sup>1</sup>, Carvalho HF<sup>1</sup> - <sup>1</sup>UNICAMP - Biologia Celular e Estrutural

**PT.BIO.24**

**Biological Activity of the Compound Synthetic 4-[(2e)-N'-(2,2'-bithienyl-5-methylene)hydrazinecarbonyl]-6,7-dihydro-1-phenyl-1h-pyrazolo[3,4-d]pyridazin-7-one in Promastigotes of *Leishmania infantum*.**

Volpato H<sup>1</sup>, Lazarin-Bidóia D<sup>1</sup>, Scariot DB<sup>1</sup>, Jacomini AP<sup>2</sup>, Rosa FA<sup>2</sup>, Ueda-Nakamura T<sup>1</sup>, Rubira AF<sup>2</sup>, Soares EFP<sup>3</sup>, Souza MC<sup>3</sup>, Borges O<sup>3</sup>, Nakamura CV<sup>1</sup> - <sup>1</sup>Universidade Estadual de Maringá - Departamento de Ciências Básica da Saúde, <sup>2</sup>Universidade Estadual de Maringá - Departamento de Química, <sup>3</sup>Universidade de Coimbra

**PT.BIO.25**

***In vitro* Anti-*Leishmania* Activity of a Synthetic Compound Loaded in Glucan Particles Extracted from the Cell Wall of *Saccharomyces cerevisiae*.**

Volpato H<sup>1</sup>, Lazarin-Bidóia D<sup>1</sup>, Scariot DB<sup>1</sup>, Jacomini AP<sup>2</sup>, Rosa FA<sup>2</sup>, Ueda-Nakamura T<sup>1</sup>, Rubira AF<sup>2</sup>, Soares EFP<sup>3</sup>, Souza MC<sup>3</sup>, Borges O<sup>3</sup>, Nakamura CV<sup>1</sup> - <sup>1</sup>Universidade Estadual de Maringá - Departamento de Ciências Básica da Saúde, <sup>2</sup>Universidade Estadual de Maringá - Departamento de Química, <sup>3</sup>Universidade de Coimbra

**PT.BIO.26**

**Mammary Adenocarcinoma Cells Diminished functional activity of RAW264.7 macrophages**

Silvestro DM<sup>1</sup>, Carvalho JR<sup>1</sup>, Albuquerque T<sup>1</sup>, Konno TC<sup>1</sup>, Bonamin L<sup>1</sup>, Lallo MA<sup>1</sup>, Hurtado ECP<sup>1</sup> - <sup>1</sup>Universidade Paulista UNIP - Programa de Pós Graduação Patologia Ambiental e Experimental

**PT.BIO.27**

**3D study of the evolution of the tachyzoite form of *Toxoplasma gondii* inside the host cell**

Dolzani D, Attias M

**PT.BIO.28**

**Biological evaluation of lapachones derivatives as the new mitochondrial probes for cellular imaging**

Brandão DC, Santos F, Dias GG, Freitas RP, Santos LS, Lima GF, Duarte HA, Simone CA, Rezende LMSL, Vianna MJX, Neto BAD, Silva Júnior EN, Correa JR

**PT.BIO.29**

***Physalis angulata* promotes death of promastigotes and amastigotes of *Leishmania (Leishmania) infantum chagasi***

Pereira SWG, da Silva BJM, Rodrigues APD, Silva EO

**PT.BIO.30**

**Epifluorescence And Laser Scanning Confocal Microscopy Applications at Universidade Federal De Lavras – UFLA**

Alves E<sup>1</sup>, Moreira SI<sup>1</sup>, Silva FF<sup>1</sup>, Nery EM<sup>1</sup>, Lopes SL<sup>1</sup>, Castro EM<sup>1</sup>, Ferreira AN<sup>1</sup> - <sup>1</sup>UFLA - Fitopatologia

**PT.BIO.31**

**Preliminary studies on the localization and ultrastructural characterization of processing bodies in *Trypanosoma cruzi***

Glejzer E, Girard-Dias W, De Souza W, Miranda K

**PT.BIO.32**

**Antifungal Activity of Lectin from *Alpinia purpurata* Inflorescence against *Candida***

Ferreira GRS<sup>1</sup>, Brito JS<sup>1</sup>, Procópio TF<sup>1</sup>, Lima BJRC<sup>2</sup>, Bento EFL<sup>1</sup>, Coelho LCBB<sup>1</sup>, Paiva PMG<sup>1</sup>, Soares T<sup>2</sup>, Moura MC<sup>1</sup>, Napoleão TH<sup>1</sup> - <sup>1</sup>Universidade Federal de Pernambuco - Departamento de Bioquímica, <sup>2</sup>Centro de Tecnologias Estratégicas do Nordeste - CETENE

**PT.BIO.33**

***Trypanosoma cruzi* Reservosomes Change In Number And Volume Before Cell Division**

Gama FS<sup>1</sup>, Alcântara CL<sup>1</sup>, Alves AA<sup>1</sup>, Cunha-e-Silva NL<sup>1</sup> - <sup>1</sup>IBCCF - UFRJ - LUCHM

**PT.BIO.34**

**Microscopy of Light and Confocal Laser Scanning of *Gelidium floridanum* Tetraspores Germination Treated with EGTA**

Bouvie F<sup>1</sup>, Tomazi D<sup>1</sup>, Kreuch M<sup>1</sup>, De Bortoli N<sup>1</sup>, Filipin E<sup>1</sup>, Batista D<sup>1</sup>, Ouriques L<sup>1</sup>, Bouzon Z<sup>1</sup>, Simioni C<sup>1</sup> - <sup>1</sup>Universidade Federal de Santa Catarina - UFSC - Departamento de Biologia Celular, Embriologia e Genética

**PT.BIO.35**

**Histopathological Analysis of livers of *Danio rerio* Exposed to Manganese**

Rodrigues GZP<sup>1</sup>, Zwetsch BG, Gehlen G - <sup>1</sup>Universidade Feevale - Laboratório de Histologia Comparada

**PT.BIO.36**

**Analysis of Nuclear Morphology for Evaluation of Manganese Induced Genotoxicity in *Danio rerio***

Rodrigues GZP<sup>1</sup>, Panizzon J, Gehlen G - <sup>1</sup>Universidade Feevale - Laboratório de Histologia Comparada

**PT.BIO.37**

**HRTEM and STEM Tomography of Nano-sized Magnetic Crystal Produced by Bacteria**

Vargas G, Cypriano J, Vieira DGI, Leão P, Abreu F, Lins U

**PT.BIO.38**

**Histopathological Evaluation of Gills from *Astyanax jacuhiensis* Exposed to Water from Different Stages of a Water Treatment Process.**

Gehlen G<sup>1</sup>, Rodrigues GZP, Zwetsch BG, de Souza MS - <sup>1</sup>Universidade Feevale - Laboratório de Histologia Comparada

**PT.BIO.39**

**VIRTUAL RECONSTRUCTION AND THREE-DIMENSIONAL PRINTING OF BLOOD CELLS AS A TOOL IN CELL BIOLOGY EDUCATION**

Augusto I, Monteiro D, Girard-Dias W, Guimarães M, Miranda K

**PT.BIO.40**

**Ultramorphological Characteristics of Immature Stages of *Piophilidae* (Diptera: Piophilidae)**

Barros-Cordeiro KB<sup>1</sup>, Gracielle IMS<sup>2</sup>, Savino AG<sup>1</sup>, Lopes WR<sup>1</sup>, Pujol-Luz JR<sup>1</sup>, Bão SN<sup>2</sup> -

<sup>1</sup>Universidade de Brasília - Departamento de Zoologia, <sup>2</sup>Universidade de Brasília - Departamento de Biologia Celular

**PT.BIO.41**

**Anatomy and Ultrastructure of *Barbacenia purpurea* Hook. (Velloziaceae) Leaves**

Andrade IF<sup>1</sup>, Santiago LJM<sup>1</sup>, Louro RP<sup>2</sup> - <sup>1</sup>Universidade Federal do Estado do Rio de Janeiro, <sup>2</sup>Universidade Federal do Rio de Janeiro

**PT.BIO.42**

**In vitro Antileishmanial Activity of a New Synthetic  $\beta$ -carboline Compound**

**Against *Leishmania amazonensis***

Paula J C<sup>1</sup>, Stefanello TF<sup>1</sup>, Lazarin-Bidóia D<sup>1</sup>, Ueda-Nakamura T<sup>1</sup>, Barea P<sup>2</sup>, Sarragiotto MH<sup>2</sup>, Nakamura CV<sup>1</sup> - <sup>1</sup>Universidade Estadual de Maringá - Ciências Básicas da Saúde, <sup>2</sup>Universidade Estadual de Maringá - Departamento de química

**PT.BIO.43**

**The Role of Sonic Hedgehog Signaling During Chick Muscle Differentiation**

Teixeira JD<sup>1</sup>, De Andrade Rosa I<sup>1</sup>, Brito Neto J<sup>1</sup>, Mermelstein C<sup>1</sup> - <sup>1</sup>Universidade Federal do Rio de Janeiro - Instituto de Ciências Biomédicas

**PT.BIO.44**

**Jurona Virus Induces Encephalitis in BALB/c Adult Mouse Model by Sequential Intranasal Inoculations**

Diniz JAP<sup>1</sup>, Araújo LM<sup>1</sup>, Vasconcelos PF<sup>2</sup> - <sup>1</sup>Instituto Evandro Chagas - Laboratório de Microscopia Eletrônica, <sup>2</sup>Instituto Evandro Chagas - Seção de Arbovirologia e Febres Hemorrágicas

**PT.BIO.45**

**Structural Changes And Apoptosis In The Submandibular Gland Of Rat Following Fluoxetine Treatment**

de Pizzol-Júnior JP<sup>1</sup>, Navarro LG<sup>1</sup>, Sasso-Cerri E<sup>1</sup>, Cerri PS<sup>1</sup> - <sup>1</sup>Faculdade de Odontologia de Araraquara - UNESP - Morfologia - Histologia

**PT.BIO.46**

**Central Nervous System and Oncosis**

Oliveira JL<sup>1</sup>, Benigno MIM<sup>2</sup>, Scaff RMC<sup>1</sup>, Alvarez-Silva M<sup>3</sup> - <sup>1</sup>UFSC - Departamento de Ciências Morfológicas, <sup>2</sup>UFPI - Departamento de Morfologia, <sup>3</sup>UFSC - Departamento Biologia Celular, Embriologia e Genética,

**PT.BIO.47**

**Expression Of HER2 Oncogene In Feline Mammary Carcinomas**

Cunha SCS, Silva KVGC, Silva FBF, Ferreira AMR

**PT.BIO.48**

**Relation Of HER2 And KI67 Expression To Histologic Graduation In Canine Mammary Carcinomas**

Silva FBF, Silva KVGC, Leite JS, Cunha SCS, Ferreira AMR

**PT.BIO.49**

**Differential Effects Of Lemon Grass (*Cymbopogon citratus*, *Lippia alba* And *Melissa officinalis*) Ethanolic Extracts On The Nucleolar Activity In Ehrlich Ascites Cells**

Giordano LS<sup>1,2</sup>, Bellini MF<sup>1,2</sup>, Orcini WA<sup>2</sup>, Peruquetti RL<sup>1,2,3</sup> - <sup>1</sup>University Sagrado Coração - Centro de Ciências da Saúde, <sup>2</sup>University Sagrado Coração - Laboratório de Biologia Molecular e Citogenética, <sup>3</sup>University Sagrado Coração - Programa de Pós-graduação em Odontologia ? Saúde Coletiva

**PT.BIO.50**

**Method of Inclusion with Microwave of Cashmere Fiber for Characterization by Transmission Electron Microscopy**

Coelho LS<sup>1</sup>, Gonçalves NR<sup>2</sup> - <sup>1</sup>Federal Rural University of Rio de Janeiro, <sup>2</sup>Federal University of Rio de Janeiro

**PT.BIO.51**

**Ultrastructural Characterization of EGTA Effects on Calcium Signaling During Early Development of Tetraspores of Palisada flagellifera (Ceramiiales, Rhodophyta)**

Ouriques LC<sup>1</sup>, Barros JPK<sup>2</sup>, Bouvie F<sup>2</sup>, Bouzon ZL<sup>2</sup>, Simioni C<sup>2</sup> - <sup>1</sup>Universidade Federal de Santa Catarina - Biologia Celular Embriologia e genética (BEG), <sup>2</sup>UFSC

**PT.BIO.52**

**The Ultrastructure of *Malassezia furfur* and *Malassezia pachydermatis* and Their Interactions with Macrophages**

Moreira RTF<sup>1</sup>, Lallo MA<sup>2</sup>, Spadacci-Morena DD<sup>3</sup>, Xavier JG<sup>2</sup>, Perez EC<sup>2</sup>, Dalboni LC<sup>2</sup>, Coutinho EDA<sup>2</sup> - <sup>1</sup>Universidade Federal de Alagoas, Maceió, Brasil - Escola de Farmácia e Enfermagem, <sup>2</sup>Universidade Paulista - Pós-Graduação em Patologia Ambiental e Experimental, <sup>3</sup>Instituto Butantan - Laboratório de Fisiopatologia

**PT.BIO.53**

**In Vitro Phagocytosis of *Encephalitozoon cuniculi* by Adherent Peritoneal Cells**

Pereira A<sup>1,2</sup>, Dalboni LC<sup>1</sup>, Spadacci-Morena DD<sup>3</sup>, Alvares-Saraiva AM<sup>1</sup>, Perez EC<sup>1</sup>, Lallo MA<sup>1,2</sup> - <sup>1</sup>Universidade Paulista - Pós-Graduação em Patologia Ambiental e Experimental, <sup>2</sup>Centro Universitário São Camilo - Curso de Biomedicina, <sup>3</sup>Instituto Butantã - Laboratório de Fisiopatologia

**PT.BIO.54**

**Structural Characterization of the *Trichuris muris* egg and**

Lima LR<sup>1</sup>, Miranda KR<sup>2</sup>, Torres EJM<sup>1</sup> - <sup>1</sup>Universidade do Estado do Rio de Janeiro - Departamento de Parasitologia, <sup>2</sup>Universidade Federal do Rio de Janeiro

**PT.BIO.55**

**Morphology Characterization of Nematodes associated of Parasitic Otitis in Bovines**

Caracciolo EM<sup>1</sup>, Torres EJM<sup>1</sup> - <sup>1</sup>UERJ - Laboratório de Helminologia Romero Las Casas Porto, FCM-UERJ, RJ. Brasil

**PT.BIO.56**

**Relationship Between Aging And Structural Alteration On Chromatoid Bodies**

Santos EG, Silva MA, Orcini WA, Peruquetti RL

**PT.BIO.57**

**Outbreak of encephalitis caused by human herpesvirus type 1 (HSV-1) in nonhuman primates. Diagnosis by transmission electron microscopy.**

Catroxo MHB<sup>1</sup>, Martins AMCRPF<sup>1</sup>, Queiróz FF<sup>1</sup>, Oliveira Júnior GP<sup>1</sup> - <sup>1</sup>Instituto Biológico - Laboratório de Microscopia Eletrônica - Centro de Pesquisa e Desenvolvimento de Sanidade Animal

**PT.BIO.58**

**Morphological Evaluation of the Expression and Distribution of Collagen Type I, Fibronectin and Laminin Glycoproteins in Human Placenta at Term**

Gargioni R<sup>1</sup>, Dutra MF<sup>1</sup>, Alvarez-Silva M<sup>1</sup> - <sup>1</sup>Universidade Federal de Santa Catarina - Departamento de Biologia Celular, Embriologia e Genética

**PT.BIO.59**

**Transfection of placenta-derived mesenchymal stem cells with green fluorescent protein**

Pérez RL<sup>1</sup>, Dutra MF<sup>1,2</sup>, Alvarez-Silva M<sup>1,2</sup> - <sup>1</sup>Universidade Federal de Santa Catarina - Programa de Pós-Graduação em Biologia Celular e do Desenvolvimento, <sup>2</sup>Universidade Federal de Santa Catarina - Departamento de Biologia Celular, Embriologia e Genética

**PT.BIO.60**

**Comparison of Two Strains of Toxoplasma gondii by Scanning Electron Microscopy and Transmission Electron Microscopy**

Mota MA, Attias M, Moreira-Souza Aline CA

**PT.BIO.61**

**Cell-scale Biomaterial Topography Influences the Organization of Epithelial Monolayers**

Rougerie P, Pieuchot L, Sgambato N, Canuto T, Bigerelle M, Farina M, Anselme K

**PT.BIO.62**

**In vivo compatibility of PLGA membranes produced by electrospinning**

Chor A<sup>1</sup>, Gonçalves R<sup>1</sup>, Guerra B<sup>2</sup>, Takiya C<sup>3</sup>, Lopes M<sup>2</sup>, Farina M<sup>1</sup>, Andrade L<sup>1</sup> - <sup>1</sup>Universidade Federal do Rio de Janeiro - Instituto de Ciências Biomédicas, <sup>2</sup>Universidade Federal do Rio de Janeiro - Laboratório de Polímeros - IMA, <sup>3</sup>Universidade Federal do Rio de Janeiro - Instituto de Biofísica Carlos Chagas Filho

**PT.BIO.63**

**In vitro evaluation of Carbon C-Dot produced from coffee waste**

Vilioni MV<sup>1</sup>, Rodrigues VS<sup>1</sup>, Rodrigues MO<sup>1</sup>, Neto BAS<sup>1</sup>, Correa JR<sup>1</sup> - <sup>1</sup>Universidade de Brasília

**PT.BIO.64**

**EXPRESSION OF PROTEINS FIBRONECTIN AND LAMININ BY RHODIUM (II) CITRATE-COATED MAGHEMITE NANOPARTICLES IN BREAST TUMOR**

Rocha M<sup>1</sup>, Radicchi MA<sup>2,3</sup>, Bão SN<sup>1</sup> - <sup>1</sup>Universidade de Brasília - Departamento de Biologia Celular, <sup>2</sup>Universidade de Brasília, <sup>3</sup>Universidade de Brasília - Departamento de Genética e



Morfologia

**PT.BIO.65**

**Decalcification of fish scales for histological processing in biomonitoring studies**

Souza MS<sup>1</sup>, Correa MZ<sup>1</sup>, Gehlen G<sup>1</sup> - <sup>1</sup>Universidade Feevale - Laboratório de Histologia Comparada

**PT.BIO.66**

**Effects of a Model of Cerebral Palsy on the Intramuscular Collagen in Wistar Rats**

Zazula MF<sup>1</sup>, Buratti P<sup>1</sup>, Covatti C<sup>1</sup>, Maximo DS<sup>1</sup>, Centenaro LA<sup>1</sup>, Torrejais MM<sup>1</sup> - <sup>1</sup>Universidade Estadual do Oeste do Paraná - UNIOESTE

**PT.BIO.67**

**Cerebral Palsy Affects Nuclei/Fiber and Capillary/Fiber Relations in Striated Skeletal Muscle**

Zazula MF<sup>1</sup>, Buratti P<sup>1</sup>, Kuhn C<sup>1</sup>, Covatti C<sup>1</sup>, Maximo DS<sup>1</sup>, Centenaro LA<sup>1</sup>, Torrejais MM<sup>1</sup> - <sup>1</sup>Universidade Estadual do Oeste do Paraná - UNIOESTE

**PT.BIO.68**

**Evaluation of the Muscular Fiber Area of the Extensor Digitorum Longus in Wistar Rats Submitted to Duodenojejunal Bypass**

Oliveira MC<sup>1</sup>, Buratti P<sup>1</sup>, Covatti C<sup>1</sup>, Barbosa A<sup>1</sup>, Jeronimo LC<sup>1</sup>, Bonfleur ML<sup>1</sup>, Torrejais MM<sup>1</sup> - <sup>1</sup>Universidade Estadual do Oeste do Paraná - Unioeste, Cascavel, Brasil.

**PT.BIO.69**

**Effects of a Cerebral Palsy Model on the Skeletal Muscular Fiber in Wistar Rats**

Oliveira MC<sup>1</sup>, Buratti P<sup>1</sup>, Covatti C<sup>1</sup>, Maximo DS<sup>1</sup>, Centenaro LA<sup>1</sup>, Torrejais MM<sup>1</sup> - <sup>1</sup>Universidade Estadual do Oeste do Paraná - Unioeste, Cascavel, Brasil.

**PT.BIO.70**

**A C-type Lectin from Bothrops leucurus Venom Forms Amyloid Aggregates In Culture Medium And Are Efficiently Phagocytosed By Peritoneal Macrophages**

Aranda-Souza MA, Lorena VMB, Correia MTS, Pereira-Neves A, de Figueiredo RCBQ<sup>1</sup> - <sup>1</sup>Centro de Pesquisas Aggeu Magalhães

**PT.BIO.71**

**Ontogeny and Calcification Process in Coralline Algae *Lithophyllum corallinae* (Corallinophycidae, Rhodophyta)**

Carvalho RT<sup>1</sup>, Willemes MJ<sup>1</sup>, Rocha GM<sup>2</sup>, Bahia RG<sup>1</sup>, Farina M<sup>3</sup>, Amado Filho GM<sup>1</sup>, Salgado LT<sup>1</sup> - <sup>1</sup>Instituto de Pesquisas Jardim Botânico do Rio de Janeiro, <sup>2</sup>Universidade Federal do Rio de Janeiro - Laboratório de Física Biológica, <sup>3</sup>Universidade Federal do Rio de Janeiro - Laboratório de Biomineralização

**PT.BIO.72**

**Ultrastructural analysis of *Rhodnius prolixus* metasternal gland**

Lopes RL<sup>1</sup>, Gomes SAO<sup>1</sup>, Barbosa CF<sup>1</sup>, Feder D<sup>1</sup>, Spiegel CN<sup>1</sup> - <sup>1</sup>UFF

**PT.BIO.73**

**Morphological Characterization Of A Eucalyptus Soil Aspergillus Strain**

Pereira VM<sup>1</sup>, Souza SC, Moreira SI<sup>2</sup>, Guimarães SSC<sup>3</sup>, Moreira GM<sup>4</sup>, Mendes OM<sup>5</sup>, Nery EM<sup>2</sup>, Alves E<sup>2</sup>, Souza SMC<sup>6</sup>, Batista LR<sup>5</sup> - <sup>1</sup>Universidade Federal de Lavras ? UFLA - Laboratório de Micotoxinas e Micologia, Dept Ciência dos Alimentos, <sup>2</sup>Universidade Federal de Lavras - UFLA - Laboratório de Microscopia Eletrônica e Análise Ultraestrutural, Dept Fitopatologia, <sup>3</sup>Universidade Federal de Lavras - UFLA - Laboratório de Sistemática e Ecologia de Fungos, Dept Fitopatologia, <sup>4</sup>Universidade Federal de Viçosa - UFV - Dept Fitopatologia, Laboratório de Epidemiologia, <sup>5</sup>Universidade Federal de Lavras - UFLA - Laboratório de Micotoxinas e Micologia, Dept Ciência dos Alimentos, <sup>6</sup>Empresa de Pesquisa Agropecuária de Minas Gerais ? EPAMIG

**PT.BIO.74**

**Characterization and Evaluation of the Cytotoxic Effect of Solid Lipid Nanoparticles Containing Docetaxel in Ovary Carcinoma *in vitro*.**

Andrade BYG<sup>1</sup>, Rocha MCO<sup>1</sup>, Longo JPF<sup>1</sup>, Bão SN<sup>1</sup> - <sup>1</sup>Universidade de Brasília - Instituto de Ciências Biológicas

**PT.BIO.75**

***Leishmania amazonensis* infection induces migration of fibrocytes**

Guerra C, Macedo-Silva RM, Pereira PRP, Yazeji-Lanzelote M, Côrte-Real S

**PT.BIO.76**

**In Vitro Activity of *Dysidea avara* Extract Against *Helicobacter pylori***

Martins TK<sup>1</sup> - <sup>1</sup>Universidade Estadual de Londrina - Programa de Microbiologia

**PT.MAT.01**

**Self-assembly of Gold Nanoparticles for Nanoscale Devices**

Nunes LGL<sup>1</sup>, Del Caro LFC<sup>1</sup>, Prado AR<sup>2</sup>, Oliveira JP<sup>3</sup>, Pereira RHA<sup>3</sup>, Guimarães CCM<sup>3</sup>, Nogueira BV<sup>3</sup>, Ribeiro MRN<sup>3</sup>, Pontes MJ<sup>3</sup> - <sup>1</sup>Instituto Federal do Espírito Santo, <sup>2</sup>Instituto Federal do Espírito Santo - Coordenadoria de engenharia de controle e automação, <sup>3</sup>Universidade Federal do Espírito Santo

**PT.MAT.02**

**MATERIALS LIFE: Publication of Images that Explain Behaviors**

Zeemann A<sup>1</sup>, Zeemann G - <sup>1</sup>Materials Life Database Ltda

**PT.MAT.03**

**Characterization of Hydrogen-Induced Cold Cracks in a Thick C-Mn Welded Steel Plate**

Nunes ARV<sup>1</sup>, Zeemann A<sup>2</sup>, de Almeida LH<sup>1</sup> - <sup>1</sup>PEMM-COPPE/UFRJ, <sup>2</sup>TECMETAL

**PT.MAT.04**

**Laves Phase Identification in Inconel 625 Produced by 3D Laser Melting**

Labre C<sup>1</sup>, Pinto AL<sup>2</sup>, Solórzano IG<sup>1</sup> - <sup>1</sup>PUC-Rio, <sup>2</sup>Centro Brasileiro de Pesquisas Físicas

**PT.MAT.05**

**Structural and electronic properties of NiO catalyst**

Arrouvel C<sup>1</sup>, Werckmann J, Sanches SG, Eon JG - <sup>1</sup>UFSCar - DFQM

**PT.MAT.06**

**Analysis by Optical Microscopy and X-ray Diffraction of Composite Cu-Cr-Ag- $\text{Al}_2\text{O}_3$  Synthesized Using Powder Metallurgy**

Fonseca DPM<sup>1</sup>, Monteiro WA<sup>1</sup> - <sup>1</sup>Instituto de Pesquisas Energéticas e Nucleares, IPEN-CNEN/SP

**PT.MAT.07**

**Microstructural Analysis of Composite Cu-Cr-Ag-( $\text{CeO}_2$ ,  $\text{Al}_2\text{O}_3$ ) Processing by Powder Metallurgy**

Fonseca DPM<sup>1</sup>, Monteiro WA<sup>1</sup> - <sup>1</sup>Instituto de Pesquisas Energéticas e Nucleares, IPEN-CNEN/SP

**PT.MAT.08**

**Microstructural Features of Intermetallic Phases of Recycled 6061 Aluminum Alloy Processed by Different Techniques**

Pereira LH, Otani LB, Coimbra DD, Kiminami CS, Bolfarini C, Botta WJ

**PT.MAT.09**

**Characterization of Al-Cu-Fe-Cr Quasicrystals by Means of EDX Mapping and Electron Diffraction Analysis**

Wolf W<sup>1</sup>, Segantin E<sup>2</sup>, Bolfarini C<sup>2</sup>, Kiminami CS<sup>2</sup>, Botta WJ<sup>2</sup> - <sup>1</sup>UFSCar - PPGCEM-DEMa, <sup>2</sup>UFSCar - DEMa

**PT.MAT.10**

**SEM-EDS Characterization of Precipitates in Eucalyptus and Sugar Cane Biochars Used in Processes to Decontaminate Water**

Tonetto EM<sup>1</sup>, Borba RP - <sup>1</sup>UNICAMP - IG-DGRN

**PT.MAT.11**

**An SEM Study of a Low-Temperature Mineral Assemblage Associated With Native Copper Mineralization in the Serra Geral Formation, Nova Prata do Iguaçu, State of Paraná, Brazil**

Garda GM<sup>1</sup>, Filgueira DA<sup>2</sup>, Sayeg IJ<sup>3</sup> - <sup>1</sup>Instituto de Geociências da USP - Mineralogia e Geotectônica, <sup>2</sup>Instituto de Geociências da USP - LiGeA, <sup>3</sup>Instituto de Geociências da USP - Geologia Sedimentar e Ambiental

**PT.MAT.12**

**Effect of Surface Irregularity in the SEM-EDS Analysis of Ca-Mg Carbonates**

Matos HLS<sup>1</sup>, Araújo IMCP<sup>1</sup>, Brod JA<sup>1</sup>, Carvalho JF<sup>1</sup> - <sup>1</sup>Universidade Federal de Goiás - Centro Regional para o Desenvolvimento Tecnológico e Inovação (CRTI)

**PT.MAT.13**

**Investigation of PBAT/TPS Compatibilized Blend Morphology**

Loureiro HC<sup>1</sup>, Silva LCE<sup>1</sup>, Gonçalves MC<sup>1</sup> - <sup>1</sup>UNICAMP

**PT.MAT.14**

**A new protocol for quantification of inter-particle spacing caused by thiol self-assembled monolayers using transmission electron microscopy**

Oliveira JP<sup>1</sup> - <sup>1</sup>UFES

**PT.MAT.15**

**Hydrothermal Synthesis of Magnesium Silicates**

Carvalho JF<sup>1</sup>, Bosco EMR<sup>1</sup>, Araújo IMCP<sup>1</sup>, Marcondes SP<sup>1</sup>, Maia LQ<sup>2</sup>, Brod JA<sup>1</sup> - <sup>1</sup>Centro Regional para o Desenvolvimento Tecnológico e Inovação - CRTI/UFG, <sup>2</sup>Instituto de Física/UFG

**PT.MAT.16**

**Structure And Shape Description Of Zircon Grains On Recent Sediments From The Amazon River's Mouth: Implications On LA-ICP-MS Technique**

Bonifacio JF<sup>1</sup>, Cardoso LMC<sup>1</sup>, Geraldles MC<sup>1</sup>, Tavares AD<sup>2</sup>, Alves MI<sup>1</sup> - <sup>1</sup>UERJ - FGEL, <sup>2</sup>UERJ

**PT.MAT.17**

**Microscopy Study of Conventional Together with Discontinuous Precipitation in a High Cr-Ni Superalloy**

Spadotto JC<sup>1</sup>, Solorzano IG<sup>1</sup> - <sup>1</sup>PUC-Rio - Department of Chemical and Materials Engineering, PUC-Rio, Rio de Janeiro, Brazil

**PT.MAT.18**

**Oxidation of Iron Catalyst (ZVI) for Removal of Organic Matter in Present in Surface Water**

Santos NO<sup>1</sup>, Spadotto JC<sup>1</sup>, Lacombe M<sup>1</sup>, Solórzano IG<sup>1</sup>, Teixeira LAC<sup>1,2</sup> - <sup>1</sup>PUC-Rio - Department of Chemical and Materials Engineering, <sup>2</sup>Peróxidos do Brasil Ltda (Solvay Group)

**PT.MAT.19**

**Microscopy Analysis of a Biocorrosion Degradation of C-Mn Steel**

Ananias J<sup>1</sup>, Cassino FSL<sup>2</sup>, Magalhães PHV<sup>3</sup>, Trindade VB<sup>2</sup> - <sup>1</sup>Universidade Federal de São João del Rei - Bioprocesso, <sup>2</sup>Universidade Federal de Ouro Preto - Metalurgia, <sup>3</sup>Universidade Federal de Ouro Preto - Mecânica

**PT.MAT.20**

**Interdiffusion Zone Evaluation of the System Steel/Inconel 625 Thermal Spray Coating**

Ananias J<sup>1</sup>, Trindade VB<sup>2</sup> - <sup>1</sup>Universidade Federal de São João del Rei - Bioprocesso, <sup>2</sup>Universidade Federal de Ouro Preto - Metalurgia

**PT.MAT.21**

**Quantitative EDS analysis of metallic alloys**

Balzuweit K<sup>2,1</sup>, Rodrigues WN<sup>2,1</sup>, Souza MCC<sup>1</sup>, Ribeiro RC<sup>1</sup>, Moreira BB<sup>1</sup>, Flores MA<sup>1</sup>, Garcia L R<sup>1</sup>, Delben I<sup>1</sup>, Alves P - <sup>1</sup>Universidade Federal de Minas Gerais - Centro de Microscopia da UFMG, <sup>2</sup>Universidade Federal de Minas Gerais - Departamento de Física

**PT.MAT.22**

**Phase and Elemental Mapping by STEM-EELS Spectrum-Image**

Freitas ETF<sup>1</sup>, Balzuweit K<sup>2</sup>, de Souza C<sup>3</sup>, Caldeira CL<sup>3</sup>, Ciminelli VST<sup>3</sup> - <sup>1</sup>Universidade Federal de Minas Gerais - Centro de Microscopia da UFMG, <sup>2</sup>Universidade Federal de Minas Gerais - Departamento de Física, <sup>3</sup>Universidade Federal de Minas Gerais - Departamento de Engenharia Metalúrgica

**PT.MAT.23**

**3D X-ray microscopy analysis of lignocellulosic fibers used as reinforcement in composite materials of polymer matrix**

Gontijo LOL<sup>1</sup>, Mauricio MHP<sup>1</sup>, Paciornik S<sup>1</sup>, D'Almeida JRM<sup>1</sup> - <sup>1</sup>Dept. of Chemical and Materials Engineering, PUC-Rio, Rio de Janeiro - RJ, Brazil

**PT.MAT.24**

**Tridimensional characterization of epoxy matrix Glass-Fiber reinforced composites**

De La Hoz AL<sup>1</sup>, Paciornik S<sup>1</sup>, D'Almeida JRM<sup>1</sup>, Mauricio MH<sup>1</sup>, Lopes HA<sup>2</sup> - <sup>1</sup>Pontificia Universidade Católica de Rio de Janeiro (PUC-Rio) - Departamento de Engenharia Química e de Materiais (DEQM), <sup>2</sup>Universidade do Estado do Rio de Janeiro (UERJ) - Departamento de Física

**PT.MAT.25**

**Identification of Quaternary Phases With Mg of Alloy B390.0 (Al-Si-Cu) by Electrons Backscatter Coefficients ( $\eta$ )**

Souza MCC<sup>1</sup>, Balzuweit K<sup>1</sup> - <sup>1</sup>Centro de Microscopia da UFMG

**PT.MAT.26**

**3D X-ray microscopy analysis of lignocellulosic fibers used as reinforcement in composite materials of polymer matrix**

Gontijo LOL<sup>1</sup>, Mauricio MHP<sup>1</sup>, Paciornik S<sup>1</sup>, D'Almeida JRM<sup>1</sup> - <sup>1</sup>PUC-Rio - DEQM

**PT.MAT.27**

**STEM Study of Cu-Ni Matrix Nanocomposites Reinforced with Al<sub>2</sub>O<sub>3</sub> Nanoparticles After heat Annealing at 600 for 300min.**

Ramos MI<sup>1</sup>, Brocchi EA<sup>1</sup>, Solorzano G<sup>1</sup> - <sup>1</sup>PUC RIO

**PT.MAT.28**

**Niobium Carbide Morphology in HP-Modified Steel Reformer Tubes as an Indicator of Temperature Surges**

Nascimento M, Campolina M, Nogueira L, de Almeida LH, Le May I

**PT.MAT.29**

**Microstructural effects of aging after a temperature surge event on Centrifugally Cast HP-Steels Used in Steam Reformer Furnaces**

Mendes MC<sup>1,2</sup>, de Almeida LH<sup>2</sup>, Dille J<sup>3</sup> - <sup>1</sup>Federal Center for Technological Education of Rio de Janeiro (CEFET-RJ), <sup>2</sup>Federal University of Rio de Janeiro (UFRJ), <sup>3</sup>Free University of Brussels

**PT.MAT.30**

**MICROSTRUCTURAL CHARACTERIZATION OF THE INTERFACE BETWEEN CuAg/Cu JOINT BRAZED WITH SnCu0,7Ni ALLOY**

Bagnato OR<sup>1</sup>, Pimentel PM<sup>2</sup>, Ambrosio C<sup>3</sup>, Capovilla MM, Silva FE - <sup>1</sup>LNLS/USF/FAE - Grupo de Materiais, <sup>2</sup>UFERSA - Materiais, <sup>3</sup>LNLS - SIL

**PT.MAT.31**

**EVALUATION OF THE SHOT PEENING EFFECT ON THE RESISTANCE OF SAE 9254 STEEL SPRINGS AND ANALYSIS OF FAILURE BY SCANNING ELECTRON MICROSCOPY**

Bagnato OR<sup>1</sup>, Filho MC, Bresciani RL, Silva RS, Pimentel PM<sup>2</sup> - <sup>1</sup>LNLS/USF/FAE - M, <sup>2</sup>UFERSA -

Materials

**PT.MAT.32**

**Size And Polydispersity Trends Found In Gold Nanoparticles Synthesized By Coconut Water**

Valotto RS, Keijok WJ, Costa DS, Oliveira JP, Guimarães MCC

**PT.MAT.33**

**Non-destructive, microstructural and mechanical performance evaluation of metal-polymer hybrid structures**

Pinto RP, Paciornik S, André NM, Borba NZ, Feistauer EE, Mauricio M, dos Sanros JF, Amancio-Filho ST

**PT.MAT.34**

**Characterization by X-ray Computed Tomography of Class G Oil Well Cement Paste Exposed to Elevated Temperature**

Lorenzoni R<sup>1</sup>, Paciornik S<sup>1</sup>, Mauricio MHDP<sup>1</sup>, Silva FA<sup>2</sup> - <sup>1</sup>PUC-Rio, Rio de Janeiro - RJ - Dept. of Chemical and Materials Engineering, <sup>2</sup>PUC-Rio, Rio de Janeiro - RJ - Dept. of Civil Engineering

**PT.MAT.35**

**NANOSTRUCTURES BASED IN TiO<sub>2</sub> ON TITANIUM**

Seixas RS<sup>1</sup>, Silva IR<sup>1</sup>, Lunz JN<sup>1</sup>, Jardim PM<sup>1</sup> - <sup>1</sup>UFRJ - Engenharia Metalúrgica e de Materiais

**PT.MAT.36**

**Characterization of Oxide Layer Formed on External Surface from Steam Reformer Furnaces Tubes**

Silveira RMS<sup>1</sup>, Almeida LH<sup>1</sup>, Rocha AC<sup>1</sup>, Eckstein CB<sup>2</sup> - <sup>1</sup>COPPE/UFRJ - PEMM, <sup>2</sup>PETROBRAS - CENPES

**PT.MAT.37**

**Estudo e análise de falhas em capacitores cerâmicos multicamadas por esforços mecânicos**

Fonseca RT<sup>1,2</sup>, Antonelli E<sup>1</sup>, Matos CP<sup>2</sup> - <sup>1</sup>UNIFESP - LCA, <sup>2</sup>INPE - LIT

**PT.MAT.38**

**Artifacts on the Characterization of Copolymer Micelles by TEM Using Phosphotungstic Acid for Negative Staining**

Oliveira IS<sup>1</sup>, Bernardo RA<sup>1</sup>, Santos TO<sup>2</sup>, Lima ECD<sup>1</sup> - <sup>1</sup>Universidade Federal de Goiás - Instituto de Química, <sup>2</sup>Universidade Federal de Goiás - Instituto de Física

**PT.MAT.39**

**Study of Physicochemical Properties of a Hybrid Coagulant Used in Potable Water Treatment**

Campos V, Peralta JSJ, Sayeg IJ

**PT.OT.01**

**Evaluation of the Cytotoxicity of Graphene Oxide Nanosheets Associated with Aluminum Chloride-Phthalocyanine as an Agents for Photodynamic and Photothermal Therapies Combined**

Silva ALG<sup>1</sup>, Santos MSC<sup>1</sup>, Moura LD<sup>2</sup>, Paterno LG<sup>3</sup>, Souza PE<sup>4</sup>, Azevedo RB<sup>2</sup>, Bão SN<sup>1</sup> -  
<sup>1</sup>Universidade de Brasília - Departamento de Biologia Celular, <sup>2</sup>Universidade de Brasília -  
Departamento de Genética e Morfologia, <sup>3</sup>Universidade de Brasília - Instituto de  
Química, <sup>4</sup>Universidade de Brasília - Instituto de Física

**PT.OT.02**

**TEM Study on Size and Morphology of TiO<sub>2</sub> Nanorods Within a MgH<sub>2</sub>-TiO<sub>2</sub> Nanocomposite Produced Via High Energy Ball Milling**

Pereira AF<sup>1</sup>, Jardim PM<sup>1</sup> - <sup>1</sup>COPPE/UFRJ - Departamento de Engenharia Metalúrgica e de  
Materiais

**PT.OT.03**

**Analytical TEM study of calcium phosphate nanoparticles in an intracellular environment**

Rossi AL, Longuinho MM, Tanaka M, Farina M

**PT.OT.04**

**Quasi-spherical and monodisperse synthesis of Virola oleifera-capped gold nanoparticles**

Guimarães MCC<sup>1</sup>, Oliveira JP<sup>1</sup>, Corrêa AS<sup>1</sup> - <sup>1</sup>UFES - Morfologia

**PT.OT.05**

**Sodium Niobate Nanostructure Synthesized Over Metallic Niobium by Alkali Hydrothermal Route**

Canabarro BR<sup>1</sup>, Jardim PM<sup>1</sup> - <sup>1</sup>Universidade Federal do Rio de Janeiro - Departamento de  
Engenharia Metalúrgica e de Materiais

**PT.OT.06**

**Phenolic Lipid 2-(3,5-Dimethoxy-2-Octanoyl Phenyl) Acetic Acid Effects in the MCF-7 Breast Adenocarcinoma Treatment**

Gomes DRF<sup>1</sup>, Pessatto LR, Jorge J, de Oliveira RJ, Beatriz A, Martines MAU - <sup>1</sup>Universidade  
Federal de Mato Grosso do Sul - Instituto de Química

**PT.OT.07**

**Application of Calcium Phosphates: In Vivo Test in Sheep**

Dalmônico GML<sup>2,1</sup>, Camargo NHA<sup>2</sup>, Rossi AL<sup>1</sup>, Dallabrida AL<sup>3</sup>, Cambra-Moo O<sup>4</sup>, Rodríguez MA<sup>5</sup> -  
<sup>1</sup>Brazilian Center for Physics Research, <sup>2</sup>Santa Catarina State University - UDESC/CCT - Program  
Post-Graduation in Science and Materials Engineering, <sup>3</sup>Santa Catarina State University  
UDESC/Lages - Department of Veterinary Medicine, <sup>4</sup>Universidad Autónoma de Madrid -  
Laboratorio de Poblaciones del Pasado - LAPP, <sup>5</sup>Instituto de Cerámica y Vidrio - CSIC/Madrid

**PT.OT.08**

**Micromorphology and Composition of Bioconstructions of Sessile Gastropods from the Brazilian Coast**

Toniolo TF<sup>1</sup>, Giannini PCF<sup>1</sup>, Sayeg IJ<sup>1</sup>, Angulo RJ<sup>2</sup>, Souza MC<sup>1</sup>, Pessenda LCR<sup>3</sup> - <sup>1</sup>Instituto de  
Geociências da Universidade de São Paulo - Geologia Sedimentar e Ambiental -  
GSA, <sup>2</sup>Universidade Federal do Paraná, <sup>3</sup>Centro de Energia Nuclear na Agricultura da  
Universidade de São Paulo

**PT.OT.09**

**Evidences of Bioclast Pseudomorphous Replacement in the Eolianites of Fernando de Noronha Archipelago, Northeast Brazil**

Arias VE<sup>1</sup>, Giannini PCF<sup>1</sup>, Sayeg IJ<sup>1</sup>, Cagliariani R<sup>1</sup>, Angulo RJ<sup>2</sup>, Souza MC<sup>2</sup> - <sup>1</sup>Instituto de Geociências da Universidade de São Paulo - Geologia Sedimentar e Ambiental - GSA, <sup>2</sup>Universidade Federal do Paraná - Departamento de Geologia

**PT.OT.11**

**Crystallographic orientation of spicules from the sponge *Sycettusa hastifera***

Coelho LS<sup>1</sup>, Longuinho MM<sup>2</sup>, Farina M<sup>3</sup>, Werckmann J<sup>2</sup>, Rossi AL<sup>2</sup> - <sup>1</sup>Universidade Federal Rural do Rio de Janeiro, <sup>2</sup>Centro Brasileiro de Pesquisas Físicas, <sup>3</sup>Universidade Federal do Rio de Janeiro - Instituto de Ciências Biomédicas

**PT.OT.12**

**Green synthesis of gold nanoparticles with Epigallocatechin Gallate**

Schuenck GPD<sup>1</sup>, Knidel C<sup>2</sup>, Guimarães MCC<sup>1</sup> - <sup>1</sup>Laboratório de Ultraestrutura Celular Carlos Alberto Redins - LUCCAR, Universidade Federal do Espírito Santo-UFES, Brasil, <sup>2</sup>Laboratório de Biologia Molecular e Virulência Bacteriana, Universidade Federal do Espírito Santo-UFES, Brasil

**PT.OT.13**

**Synthesis and Characterization of Alginate/Chitosan Nanoparticles Containing Lapazine with Potential Antituberculosis Activity**

Longuinho MM, Leitão SG, Silva RSF, Rossi AL, Silva PEA, Finotelli PV

**PT.OT.14**

**Biosynthesis, Characterization and Evaluation of Antibacterial Effects of Silver-based Nanoparticles.**

Eugenio M, Ferreira V, Müller N, Frasés S, Lemgruber L, Farina M, De Souza W, Sant'Anna C

**PT.OT.15**

**NaX zeolite synthesis employing microwave heating source and its surface functionalization via esterification reaction.**

Povinelli APR<sup>1</sup>, Zazeri G<sup>1</sup>, Mendes MTS<sup>2</sup>, Laurenti JB<sup>1</sup>, Nery JG<sup>1</sup> - <sup>1</sup>UNESP - Física, <sup>2</sup>UFSCar - Departamento de Materiais

**PT.OT.16**

**Image-based high content analysis to accesses the antiproliferative effect of silver chloride and silver/silver chloride nanoparticles against glioblastoma multiforme**

Müller N<sup>1</sup>, Eugenio M<sup>1</sup>, Campanati L<sup>2</sup>, Lima LMTR<sup>2</sup>, Sant'Anna C<sup>1</sup> - <sup>1</sup>Inmetro, <sup>2</sup>UFRJ

**PT.OT.17**

**Titanium rutile nanoparticles: a glance of nanobiointerface applied to sunscreens.**

Gemini-Piperni S<sup>1</sup>, Laviola-Sanches P<sup>2</sup>, Souza W<sup>3</sup>, Rossi AL<sup>1</sup>, Rocha LA<sup>4</sup>, Borojevic R<sup>5</sup>, Granjeiro JM<sup>3</sup>, Benchimol M<sup>2</sup>, Ribeiro AR<sup>2</sup> - <sup>1</sup>CBPF - Laboratorio de Biomateriais, <sup>2</sup>UNIGRANRIO - BIOTRANS, <sup>3</sup>INMETRO - DIMAV, <sup>4</sup>UNESP Bauru - Laboratorio de Fisica, <sup>5</sup>FASE - Centro de Medicina Regenerativa



**PT.OT.18**

**Coumarin-containing Thermoresponsive Hyaluronic Acid-based Nanogels as Delivery Systems for Anticancer Chemotherapy**

Stefanello TF, Couturaud B, Szarpak-Jankowska A, Fournier D, Louage B, Garcia FP, Nakamura CV, De Geest BG, Woisel P, van der Sanden B, Auzély-Velty R

**PT.OT.19**

**Temperature-controlled particle size distribution of Camellia sinensis silver nanoparticles synthesized**

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**PT.OT.20**

**Nanoparticles characterization de Magh-Rh<sub>2</sub>(H<sub>2</sub>cit)<sub>4</sub>**

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