



**12 COLAOB**  
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**XII Latin-American Congress of Artificial Organs and Biomaterials**

*"Integrating and strengthening the Latin-American Biomaterials' Community"*  
12-15 December 2023 | Mar del Plata | Argentina

**Poster presentations**

**SESSION I – WEDNESDAY, DECEMBER 13**

CODE	T	PRESENTING AUTHOR	ABSTRACT TITLE
P-01	T1	Daniella R. Mulinari	PROMISING PULLULAN-REINFORCED POLYLACTIC ACID BIOCOMPOSITES FOR 3D PRINTING APPLICATIONS
P-02	T1	Ailime Melo	DEVELOPMENT OF PELVIC FLOOR EDUCATORS THROUGH 3D PRINTING TECHNIQUE
P-03	T1	Carmen González Henríquez	3D PRINTING OF BIOCOMPATIBLE AND BIOACTIVE PHOTOCURABLE RESINS FOR APPLICATIONS IN BONE REGENERATION
P-04	T1	Mauricio Sarabia Vallejos	MECHANICAL IMPROVEMENT OF BIOCOMPATIBLE AND PHOTOCURABLE RESINS FOR 3D PRINTING FOR BONE REGENERATION USING ADVANCED MULTI-POROUS DESIGNS
P-05	T1	Rodrigo Cesar Gomes	STUDY OF IN VITRO DEGRADATION AND DRUG DELIVERY OF AN ENDONASAL MEDICAL DEVICE 3D PRINTED BASED IN PLDLA-TMC WITH MOMETASONE FUROATE
P-06	T1	Claudia Larissa Viana da Silva	3D BIOPRINTING OF FIBROBLASTS FOR THE PRODUCTION OF QUANTIS® BIOIDENTICAL HUMAN COLLAGEN: AN INNOVATIVE APPROACH IN ADDITIVE MANUFACTURING
P-07	T1	Marcelo B. Furtini	DEVELOPMENT OF 3D PRINTER FILAMENT INCORPORATED WITH OXIDE FOR ORTHOSES
P-08	T2	Tarciana Dieb Toscano	ASSESSMENT OF CORROSION RESISTANCE ON THE SURFACE OF NANOTEXTURED STAINLESS STEEL COATED WITH A THIN COPPER FILM FOR BIOMEDICAL APPLICATION.
P-09	T2	Viviane Costa	CHARACTERIZATION OF POWDER FROM THE MG-ZN SYSTEM OBTAINED BY POWDER METALLURGY FOR BIOMEDICAL APPLICATIONS
P-10	T2	Sinara Borborema	EFFECT OF THE MEDIUM ACIDITY ON THE CORROSION RESISTANCE OF TI-10MO-30NB ALLOY FOR BIOMEDICAL APPLICATIONS
P-11	T2	Tainara Lima	DEVELOPMENT OF MICROFIBRILLAR MEMBRANES BASED ON POLY(E-CAPROLACTONE) TO BE USED IN THE TREATMENT OF CUTANEOUS LESIONS
P-12	T2	Luiz Henrique de Almeida	STUDY OF THE CORROSION PROPERTIES IN FUNCTION NB ADDITION IN THE TI-10MO-XNB ALLOYS FOR BIOMEDICAL IMPLANTS
P-13	T2	Sergio A. Yoshioka	CHARACTERIZATION OF CRUDE CORN ZEIN MICROSPHERES OBTENINED BY ANTI-SOLVENT-DIALYSIS METHOD WITH/WITHOUT THE AID OF ULTRASOUND

P-14	T2	Karine Modolon Zepon	SANDWICH-LIKE FILM FOR ON-DEMAND TOPICAL RELEASE OF LIDOCAINE
P-15	T2	Karine Modolon Zepon	LIPASE-RESPONSIVE NANOPARTICLES FOR ANTIBIOTIC DRUG DELIVERY
P-16	T2	Mirian Bonifacio	CHARACTERIZATION OF CHITOSAN HYDROGEL FOR OSTEOARTHRITIS TREATMENT
P-17	T2	William Henrique Oliveira de Souza	STUDY OF HIGH-ENERGY MILLING AND SINTERING OF MG-ZN SYSTEM ALLOYS
P-18	T2	Thaíla Silva	PREFILLED SYRINGES WITH SILICONIZED SURFACES: AN OVERVIEW
P-19	T2	Rodrigo Luiz Moraes Saldanha Oliveira	IN VITRO MINERALIZATION OF B-TRICALCIUM PHOSPHATE AND BIOACTIVE GLASS CONSOLIDATED BY COLD SINTERING PROCESSING
P-20	T2	Homero Garcia Motta	CHARACTERIZATION OF ALGINATE HYDROGEL FOR OSTEOARTHRITIS TREATMENT
P-21	T2	Paola Bustamante	DEVELOPMENT AND CHARACTERIZATION OF ALIGNED NANOFIBERS USING A VARIANT OF ELECTROSPINNING CONFIGURATION
P-22	T2	Josy Osajima	EVALUATION OF BACTERIAL SENSITIVITY TO CHICHÁ GUM HYDROGEL ASSOCIATED WITH NEROLIDOL
P-23	T2	Marcelo B. Furtini	OBTAINING ANTIBACTERIAL MATERIAL BASED ON CHLORHEXIDINE AND CASSAVA GUM
P-24	T2	Juliana de Moraes	STUDY OF THE DEGRADATION OF 3D PRINTED SCAFFOLDS BASED ON THE PLDLA-TMC TERPOLYMER IN DIFFERENT RATIOS FOR BIOMEDICAL APPLICATIONS.
P-25	T2	Luciana Malvestiti	MG ZX10 FOR PERIPHERAL NERVE REGENERATION: COMPARATIVE CORROSION STUDIES UNDER SIMULATED BIOLOGICAL CONDITIONS
P-26	T2	Marcelo Brito Madureira	DEVELOPING AND CHARACTERIZING A BIOABSORBABLE MEMBRANE TO COMBAT INFECTION IN ORTHOPEDIC IMPLANTS
P-27	T2	Cintia Cristina Santi Martignago	DEVELOPMENT AND CHARACTERIZATION OF HYDROGEL FOR USE IN KNEE JOINT DISORDERS
P-28	T2	Katherina Fernandez	MECHANICAL CHARACTERIZATION OF ALG/RGO/TA HYDROGELS
P-29	T2	Evandro Drigo	PRE-TREATMENT OF POLYMERIC SAMPLES FOR WETTABILITY TESTS
P-30	T2	Luciara da Silva	MICROSTRUCTURAL ANALYSIS OF POLYCAPROLACTONE AND ATORVASTATIN NANOCOMPOSITES
P-31	T2	Nathalia de Lis Nunes Gomes	OLANZAPINE CRYSTALLIZATION IN PLA-BASED MATRICES FOR SUBCUTANEOUS IMPLANTS: A MICROSTRUCTURAL ANALYSIS USING X-RAY DIFFRACTION
P-32	T2	Ariel González	INNOVATIVE STRATEGIES WITH IRON OXIDE NANOPARTICLES TO ERADICATE BACTERIAL BIOFILMS ON IMPLANTABLE BIOMATERIALS
P-33	T2	Rodrigo Cesar Gomes	MECHANICAL CHARACTERIZATION, HYDROLYTIC DEGRADATION, AND CELL VIABILITY OF A NEW POLYURETHANE BASED ON PCL AND TRIMETHYLENE CARBONATE
P-34	T2	Jordana Andrade Santos	DECELLULARIZED EXTRACELLULAR MATRIX MEMBRANES DERIVED FROM BOVINE CORNEA: CHARACTERIZATION AND APPLICATIONS
P-35	T2	Giovana Dias da Silva	PRODUCTION OF A DOUBLE-NETWORK HYDROGEL USING SODIUM ALGINATE AND NANO-STRUCTURED CELLULOSE TO 3D CELL CULTURES
P-36	T2	Yuri Vieira Alves	ANALYSIS AND CHARACTERISTICS OF ADVANCED CERAMICS AS A BIOMATERIAL FOR ORAL AND MAXILLOFACIAL USE
P-37	T2	Diógenes Santos Dias	BIOPLASTIC BASED ON CUCUMBER MESOCARP PUREE (CUCUMIS SATIVUS)

P-38	T2	Eurico F. Pieretti	CORROSION ANALYSES OF ANODIZED ALUMINUM FOR BIOMEDICAL PURPOSES
P-39	T2	Eurico Felix Pieretti	SURFACE INVESTIGATION OF A LASER ETCHED METALLIC BIOMATERIAL
P-40	T2	Eurico Pieretti	MAGNETIC PROPERTIES EVALUATION OF 316L STAINLESS STEEL PRODUCED BY ADDITIVE MANUFACTURING FOR BIOMEDICAL USE
P-41	T2	Federico Lühning	CONVERSION COATINGS ON PURE MAGNESIUM. CHARACTERIZATION AND CORROSION EVALUATION IN VITRO
P-42	T2	Jesualdo Luiz Rossi	PREPARATION AND CHARACTERIZATION OF TITANIUM-ZIRCONIUM ALLOYS
P-43	T2	Rita de Cássia Reis Rangel	INFLUENCE OF ANNEALING TEMPERATURES ON THE STRUCTURE AND WETTABILITY OF IRON OXIDE NANOTUBES
P-44	T2	Danielle Duque Domingues	HEMATITE SYNTHESIS BY POLYMERIC PRECURSORS METHOD
P-45	T2	Gabriel Clem Albuquerque Sasdelli	POLYVINYL ALCOHOL MATS CROSSLINKED WITH CITRIC ACID FOR REGENERATIVE MEDICINE APPLICATIONS
P-46	T3	Rodrigo Silveira Vieira	NATIVE COLLAGEN EXTRACTION FROM TUNA SKIN BY ACID TREATMENT
P-47	T3	Jessica Asami	THE IMPACT OF NON-DEPROTEINIZATION ON PHYSICO-CHEMICAL AND BIOLOGICAL PROPERTIES OF NATURAL RUBBER LATEX FOR BIOMEDICAL APPLICATIONS
P-48	T3	Komal Vig	IMPLYING LOW TEMPERATURE PLASMA (LTP) TO DEVELOP SCAFFOLDS FOR TISSUE REGENERATION
P-49	T3	Franco Leonardo Redondo	STUDY OF CELL VIABILITY OF COMPOSITE POLYMER COATINGS OBTAINED BY EPD METHOD AND POROUS SCAFFOLDS OF PLA MANUFACTURED BY 3D PRINTING
P-50	T3	Carlos Alberto Busatto	EXPANDED NANOFIBROUS POLYMERIC DRESSINGS CONTAINING TETRACYCLINE-LOADED NANOPARTICLES FOR WOUND HEALING
P-51	T3	Carlos Alberto Busatto	BIOMECHANICAL CHARACTERIZATION OF FIBROUS POLYMERIC SCAFFOLDS FOR THE REGENERATION OF URETHRAL SEGMENTS
P-52	T3	Ricardo Barbosa de Sousa	BACTERIAL CELLULOSE/CALCIUM PHOSPHATES COMPOSITE CONTAINING CERIUM FOR BONE TISSUE ENGINEERING APPLICATIONS
P-53	T3	Victor Marchiori de Souza	IMPACTS OF DIFFERENT STRATEGIES FOR THE DECELLULARIZATION OF PORCINE AURICULAR CARTILAGE AS MODEL SCAFFOLDS FOR TISSUE ENGINEERING
P-54	T3	Karolyne dos Santos Jorge Sousa	EVALUATION OF GENOTOXICITY AND CYTOTOXICITY OF BIOSILICA AND SPONGIN DERIVED FROM MARINE SPONGES FOR 3D PRINTED SCAFFOLD PRODUCTION
P-55	T3	Milena Penaforte Fernandes	RECENT TECHNOLOGICAL ADVANCES IN THE PROCESSING OF CONSTRUCTS TO OBTAIN MEAT GROWN IN LABORATORIES: A TECHNICAL, ECONOMIC AND ENVIRONMENTAL FEASIBILITY STUDY (EVTEA)
P-56	T3	Ana Claudia Muniz Renno	IN VIVO BIOLOGICAL EFFECTS OF BIOSILICA AND MARINE COLLAGEN SCAFFOLDS ON THE PROCESS OF HEALING IN TIBIAL BONE DEFECT IN OSTEOPOROTIC RATS
P-57	T3	María Lorena Gomez	USE OF HYDROGEL PATCHES OBTAINED BY ONE-POT PHOTOPOLYMERIZATION IN THE TREATMENT OF A TORN SKIN WOUND IN AN EQUINE
P-58	T3	Nadina Aimé Usseglio	WOUND TREATMENT: BIONANOCOMPOSITE FILMS TRANSFORMING FROM SOLID TO GEL STATE
P-59	T3	Rossemberg Cardoso Barbosa	BIODEGRADABLE SCAFFOLDS WITH JATROPHA MOLLISSIMA (POHL) BAILL EXTRACT. FOR USE AS DRESSINGS
P-60	T3	Albaniza Alves Tavares	BIOPOLYMERS AND JATROPHA MOLISSIMA EXTRACT SCAFFOLD FOR DIFFICULT WOUND HEALING TREATMENTS

P-61	T3	Albaniza Alves Tavares	CHITOSAN/COLLAGEN HYDROGEL FOR WOUND TREATMENT
P-62	T3	Guadalupe Rivero	CO-ELECTROSPINNING OF BIOGLASS-LOADED PCL NANOFIBERS AND AMOXICILLIN-LOADED EUDRAGIT EPO NANOFIBERS AS COATING FOR METALLIC IMPLANTS
P-63	T3	Caio Canelas	DEVELOPMENT AND IN VITRO EVALUATION OF BIOMATERIALS PRODUCED BY ROTARY JET SPINNING BASED ON PCL AND PHB WITH ADDITION OF AMAZONIAN VEGETABLE OILS
P-64	T3	Francisco Eroni Paz dos Santos	SYNTHESIS OF A NEW ANTIBACTERIAL BIOMATERIAL CONTAINING HYDROXYAPATITE / CLORHEXIDINE FOR FUTURE APPLICATIONS IN BONE TISSUE ENGINEERING
P-65	T3	Juliana Marchi	DEVELOPMENT OF CHITOSAN SCAFFOLDS CONTAINING GRAPE SEED OIL BY 3D PRINTING AIMING AT CHRONIC EPITHELIAL WOUND REPAIR
P-66	T3	Larissa Ribeiro Lourenço	CHITOSAN HYDROGEL CONTAINING BIOACTIVE GLASS AIMING AT 3D PRINTING FOR PERIPHERAL NERVE REGENERATION
P-67	T3	Pablo Caracciolo	MESOPOROUS SILICA ELECTROSPUN MEMBRANES FOR BONE TISSUE ENGINEERING APPLICATIONS
P-68	T3	Gabriella Monteiro Alves	SECOND-DEGREE BURNS TREATMENT: PRECLINICAL APPROACHES USING DEPROTEINIZED LATEX NATURAL RUBBER CONTAINING ALOE VERA EXTRACT
P-69	T3	Jaqueline Leite Vieira	INFLUENCE OF DIFFERENT SOLVENTS MIX AND CONCENTRATION ON THE OBTAINMENT OF ELECTROSPUN PLA FIBERS FOR SCAFFOLD PRODUCTION
P-70	T3	Jaqueline Leite Vieira	INFLUENCE OF NHA PARTICLES SIZE ON THE PROPERTIES OF 3D PRINTED PLA-BASED SCAFFOLDS
P-71	T3	Ariana de Souza Moraes	FUNCTIONALIZATION OF CLOISITE 30B® AND CLOISITE NA+® WITH CAPSAICIN MOLECULES FOR BIOMEDICAL APPLICATIONS
P-72	T3	Bruna Vanessa Quevedo	ELECTROSPUN MEMBRANE OF POLY(L-CO-D,L LACTIC ACID) AND NATURAL RUBBER CONTAINING COPAIBA OIL FOR ANTIMICROBIAL DRESSING DEVELOPMENT
P-73	T3	Clara Operti	OSTEOCONDAL TISSUE REGENERATION PROMOTED BY ELASTIN-DERIVED HYDROGEL
P-74	T3	Júlia Bünecker Cassel	HIGH STRENGTH BIOMIMETIC SILK FIBROIN/A-TRICALCIUM PHOSPHATE BONE CEMENT WITH CHLORIDE-SUBSTITUTED HYDROXYAPATITE
P-75	T3	Marcelo Garrido dos Santos	PRODUCTION AND CHARACTERIZATION OF A BIOINK FOR 3D BIOPRINTING CONTAINING DECELLULARIZED SKIN AS A POTENTIAL DERMAL SUBSTITUTE
P-76	T3	Oriana Perna	PARTIALLY AND FULLY HYDROLYSED POLYVINYL ALCOHOL CROSSLINKED WITH HEXAMETHYLENE DISSOCIATE AS A BONE SCAFFOLD.
P-77	T3	Bruna Nunes Teixeira	SPINNABILITY OF POLYCAPROLACTONE FIBERS LOADED WITH STRONTIUM-MODIFIED HYDROXYAPATITE
P-78	T3	Diego Eterno de Oliveira Mendonça	PLA-BIOAISr GLASS COMPOSITE AS A CANDIDATE FOR BONE AND TENDINOUS REGENERATION APPLICATIONS

**SESSION II – THURSDAY, DECEMBER 14**

<b>CODE</b>	<b>T</b>	<b>PRESENTING AUTHOR</b>	<b>ABSTRACT TITLE</b>
P-79	T3	Lurdes Milagros Lopez	COLLAGEN COMPOSITES WITH SELENIUM NANOPARTICLES AS DRESSING FOR CHRONIC WOUNDS
P-80	T3	Michelle Oliveira	DEVELOPMENT AND CHARACTERIZATION OF COLLAGEN TYPE I BIOCOMPOSITES REINFORCED WITH 2D NANO MINERALS FOR BIOMEDICAL APPLICATIONS
P-81	T3	Priscila Randazzo-Moura	THE PHARMACOLOGICAL EFFECTS OF ARNICA EXTRACT INCORPORATED INTO PVA [POLYVINYL ALCOHOL]] IN A DELIVERY SYSTEM ASSOCIATED WITH LOW-INTENSITY LASER
P-82	T3	Priscila Randazzo-Moura	IN VITRO STUDY OF MANGANESE (MN <sup>2+</sup> ) ASSOCIATED WITH HYALURONIC ACID ON THE CYTOTOXICITY OF BOTHROPS JARARACUSSU VENOM
P-83	T3	Eliana Aparecida de Rezende Duek	PHARMACOLOGICAL EFFECTS OF TRIAMCINOLONE ASSOCIATED WITH SURGICAL ADHESIVE ON CUTANEOUS WOUND HEALING IN WISTAR RATS
P-84	T3	Melanie Ferrace	STUDY OF BIORESORBABLE POLYMERS THERMAL STABILITY FOR FIBER PRODUCTION
P-85	T3	Bianca Sabino Leocádio Antunes	RHEOLOGICAL CHARACTERIZATION OF SILK FIBROIN/PLDLA/SIMVASTATIN-BASED GEL FOR 3D PRINTING.
P-86	T3	Mercedes Pérez-Recalde	DEVELOPMENT OF A COLLAGEN AND CHITOSAN BIOINK
P-87	T3	Willams Teles Barbosa	DEVELOPMENT OF BIOCOMPOSITE MEMBRANES OF BACTERIAL CELLULOSE AND HYDROXYAPATITE FOR APPLICATION IN BONE TISSUE
P-88	T3	Willams Teles Barbosa	3D BIOPRINTING AND CHARACTERIZATION OF SCAFFOLDS WITH DIFFERENT CONCENTRATIONS OF GELATIN METHACRYLATE (GELMA) FOR SKIN WOUND REPAIR
P-89	T3	Alejandra Fanovich	POROUS TITANIUM DIOXIDE-HYDROXYAPATITE COMPOSITES PREPARED BY A SOL-GEL/SUPERCRITICAL CO <sub>2</sub> -DRYING COMBINED PROCESS.
P-90	T3	Matthäus Davi Popov Pereira da Cunha	CORE-SHELL ELECTROSPUN NANOFIBERS BASED ON SOY PROTEIN ISOLATE FOR TISSUE ENGINEERING APPLICATIONS
P-91	T3	Pablo Botta	DEVELOPMENT OF MAGNETIC BONE CEMENT BASED ON CALCIUM PHOSPHATE AND IRON OXIDE NANOPARTICLES
P-92	T3	Edson Cavalcanti Silva-Filho	DEVELOPMENT OF A NOVEL CASHEW TREE GUM CONTAINING HYDROXYAPATITE SCAFFOLD FOR BONE REPAIR PURPOSES
P-93	T4	Eduarda Baggio Paglia	SELECTIVE CAPTURE OF PROSTATE TUMOR CELL LINES ON MULTILAYERED FILMS OF CHITOSAN AND HYALURONIC ACID
P-94	T4	Gabriela Pereira de Freitas	EFFECTS OF PH AND SALT CONCENTRATION ON THE SURFACE PROPERTIES OF MULTI-LAYER FILMS BASED ON BIOPOLYMERS FOR MEDICAL TUMOR CELL CAPTURE DEVICES
P-95	T4	Julieta Merlo	PURE IRON FOR BIODEGRADABLE CARDIOVASCULAR STENTS: EFFECTS ON HUMAN CORONARY AORTA ENDOTHELIAL CELLS
P-96	T4	Karolyne dos Santos Jorge Sousa	IN VITRO STUDY OF 3D PRINTED SKIN DRESSING FROM MARINE COLLAGEN
P-97	T4	Daniel Ribeiro	IN VITRO GENOTOXICITY AND CYTOTOXICITY ANALYSIS OF BIOGLASS/SPONGIN SCAFFOLDS FROM MARINE SPONGES FOR BONE TISSUE ENGINEERING APPLICATIONS
P-98	T4	Ariadna Birocco	DERMATAN SULFATE/CHITOSAN POLYELECTROLYTE COMPLEXES FOR THE DELIVERY OF FLUBENDAZOLE TOWARDS TRIPLE NEGATIVE BREAST CANCER CELLS
P-99	T4	Ana C. Liaudat	IMMUNOLOGICAL MECHANISMS OF MOUSE MACROPHAGE CELLS TO POLY-N-ISOPROPYLACRYLAMIDE HYDROGELS
P-100	T5	Bruna Vanessa Quevedo	STUDY OF CHAMOMILE FLOWER EXTRACT RELEASE IN POLYMERIC MATRIX OF (ENR-G-HA): POTENTIAL APPLICATION IN WOUND HEALING

P-101	T5	Henrique Nunes da Silva	CHITOSAN FILAMENTS: EFFECTS OF COAGULATION RATE ON THE PHYSICALMECHANICAL AND ENCAPSULATION PROPERTIES OF KETOPROFEN
P-102	T5	Romina Glisoni	DEVELOPMENT AND EVALUATION OF NOVEL NANOSYSTEMS BASED ON MIXED POLYMERIC MICELLES TO ENHANCE PHOTODYNAMIC THERAPY
P-103	T5	Nadina Aimé Usseglio	KINETICS RELEASE OF SILVER NANOPARTICLES RELEASE FROM GELATIN/ALGINATE SPONGES TO AN EFFICIENT TREATMENT OF WOUNDS
P-104	T5	Guadalupe Rivero	NANO-IN-NANO ENTERIC PROTEIN DELIVERY SYSTEM
P-105	T5	Marcelo Augusto Brito Nascimento	PRODUCTION AND CHARACTERIZATION OF NANOFIBERS TO BE USED AS CONTROLLED RELEASE TRANSDERMAL PATCHES
P-106	T5	Moema Hausen	DEVELOPMENT AND CHARACTERIZATION OF ALGINATE MICROSPHERES LOADED WITH MAYTENUS ILICIFOLIA FOR PEPTIC ULCER TREATMENT
P-107	T5	Sanchez Cerviño, Maria Celina	SELF-ASSEMBLED VESICLES OBTAINED BY ELECTROHYDRODYNAMIC TECHNIQUE USING DIFFERENT SOURCES OF PHOSPHOLIPIDS
P-108	T5	Pablo R. Cortez Tornello	BIOFUNCTIONAL POLYMERIC NANOPARTICLES PREPARED BY ELECTROSPRAYING FOR THE RELEASE OF IVERMECTIN
P-109	T5	Silvestre Bongiovanni Abel	HYDROXYPROPYL CELLULOSE CORE REDOX/PH-RESPONSIVE NANOGELS FOR MUCOSAL APPLICATION
P-110	T5	Raquel de Souza Ribeiro	EFFECT OF POLYMER MATRIX ON ATV RELEASE BEHAVIOR
P-111	T5	Agustín Martínez Cebada	PRELIMINARY STUDY ON THE OPTIMIZATION OF CHITOSAN NANOPARTICLES PROCESSING USING THE ELECTROSPRAYING TECHNIQUE FOR EMBELIN ENCAPSULATION
P-112	T5	Marcelo Augusto Brito Madureira	NEW MANUFACTURING PROCESS FOR CONTROLLED DRUG DELIVERY SYSTEMS RESERVOIRS
P-113	T5	Agostina Cammarata	GOLD NANOPARTICLES AND POLYMERIC MICELLES CONTAINING DOXYCYCLINE AS A POTENTIAL ANTITUMORAL RADIOSENSITIZER NANOPLATFORM
P-114	T5	Dimitrios Bikiaris	SUSTAINING THE RELEASE OF TRAMETINIB FROM LAYER-BY-LAYER POLYELECTROLYTE COATED SPRAY-DRIED MICROPARTICLES
P-115	T6	Bruno Cesar Nepomoceno da Silveira	DEVELOPMENT OF FAST ANODIZING SURFACE TREATMENT TO OBTAIN TIO <sub>2</sub> NANOSTRUCTURES FOR APPLICATION IN DENTAL IMPLANTS
P-116	T6	Gleiciele Lemes	TRIBOLOGICAL BEHAVIOR OF HYBRID COATINGS ON WE43 MG ALLOY
P-117	T6	Jennifer Nicole Maia da Silva	SYNTHESIS OF BACTERIAL CELLULOSE-NANOPARTICLES COMPOSITE AND EVALUATION OF BIOACTIVITY AND ANTIMICROBIAL PROPERTIES
P-118	T6	Jaison Dos Santos Junior	ENHANCING CP-TI GRADE 4 SURFACE WITH BIOACTIVE GLASS THROUGH PLASMA ELECTROLYTIC OXIDATION
P-119	T6	Ariel González	FUNCTIONALIZATION OF TI SURFACE WITH METAL PHENOLIC NETWORKS AND "GREEN" SILVER NANOPARTICLES: IN VITRO EVALUATION OF ANTIMICROBIAL ACTIVITY AND CYTOCOMPATIBILITY.
P-120	T6	Silvestre Bongiovanni Abel	ELECTROSPUN MATS BASED ON ETHYLCELLULOSE LOADED WITH FUNCTIONALIZED PORPHYRINS FOR THE INACTIVATION OF RESISTANT BACTERIA
P-121	T6	Mariana Vitelo	BIOCOMPATIBILITY ANALYSIS AND LOW-COST PRODUCTION OF PLLA
P-122	T6	Rocío Moreno	BIOFUNCTIONALIZATION OF ZIRCONIUM WITH POTENTIAL APPLICATION IN THE BIOMEDICAL FIELD: AN IN VITRO STUDY
P-123	T6	Ana Paula Guerra Gomes	COMPARATIVE ANALYSIS OF THE BIOCOMPATIBILITY IN POLY LACTIC ACID (PLA) SAMPLES AFTER PLASMA SURFACE

P-124	T6	Fernanda Simoes Barna	DETERMINATION OF RADIORESISTANCE OF CONTAMINANT BACTERIA IN NILE TILAPIA SKIN USED AS A DRESSING
P-125	T6	Josefina Ballarre	CHITOSAN-GELATIN/BIOACTIVE GENTAMICIN DOPED GLASS PARTICLES SYSTEM FOR COATING TITANIUM ALLOY IMPLANTS
P-126	T6	Alícia Christmann Mattioni	BIOCERAMIC COATING ON METAL SUBSTRATE FOR BIOMEDICAL APPLICATIONS
P-127	T6	Moema A. Hausen	FUNCTIONALIZATION OF NYLON THREAD WITH CHLORHEXIDINE AS A TOPICAL PROPHYLACTIC ALTERNATIVE FOR SURGICAL SITE COMPLICATIONS
P-128	T6	Jasmine Keise de Oliveira Silva	SURFACE MODIFICATION OF FE35MN ALLOY USING ANODIC OXIDATION
P-129	T7	Alex Alves Rodrigues	DEVELOPMENT OF HUMAN FIBROBLAST SPHEROIDS WITH HANGING-DROP INVERTED PLATES
P-130	T7	Suleyna Ribeiro Prudente	HIGH-THROUGHPUT PRODUCTION OF TUMOR SPHEROIDS (MELANOMA AND COLON CARCINOMA) USING SIMPLE PLATE TREATMENT AND AUTOMATED FLUORESCENCE MICROSCOPY ANALYSIS
P-131	T7	Joao Víctor Almeida de Asís	COMPARISON OF IMAGE DECONVOLUTION METHODS TO IMPROVE IMAGE QUALITY OF 3D CELL CULTURES ACQUIRED USING HCS/HTS EQUIPMENT
P-132	T9	Isabela Rodrigues de Souza Barros	COMPARATIVE ANALYSIS OF POLY-L-LACTIC ACID AND CALCIUM HYDROXYAPATITE FOR TREATING CUTANEOUS FLACCIDITY: A CLINICAL TRIAL
P-133	T9	Julieta Merlo	CHARACTERIZATION OF THE IN VIVO RESPONSE TO ANODIZED MAGNESIUM ALLOY AS A POTENTIAL BIODEGRADABLE IMPLANT: A 6-MONTHS STUDY
P-134	T9	Amanda Curcio de Lima	DEVELOPMENT OF A PROTOTYPE POLYURETHANE VALVE RING TO CONTROL MITRAL VALVE REGURGITATION IN DOGS
P-135	T10	Edtson Emilio Herrera Valencia	EFFECT OF MULTIPLE RELAXATION TIMES IN THE PULSATILE ELECTRO-OSMOTIC FLOW OF BLOOD WITH CHOLESTEROL
P-136	T10	André Cavalheiro	APPLICATION OF CYBER-PHYSICAL SYSTEM CONCEPTS TO VENTRICULAR ASSIST DEVICE CONTROL SYSTEMS
P-137	T10	Cristiane E. R. Silva	TRIPLY PERIODIC MINIMAL SURFACES SCAFFOLDS, 3D MODELLING AND FINITE ELEMENTS MECHANOBIOLOGICAL SIMULATION
P-138	T10	Florencia Montini Ballarin	IN SILICO DESIGN OF 3D BIOMIMETIC NANOFIBROUS SCAFFOLDS FOR TISSUE ENGINEERING: DEVELOPMENT OF PARAMETRIC GEOMETRIES FOR EFFICIENT OPTIMIZATION
P-139	T10	Aron Andrade	ENHANCING PERFORMANCE OF A CATHETER-IMPLANTABLE AXIAL FLOW PUMP THROUGH IMPELLER GEOMETRY ANALYSIS
P-140	T11	Claudiomar Marcelino da Silva Ferreira	BIOLOGICAL CHARACTERIZATION OF SUPERPARAMAGNETIC IRON OXIDE NANOPICLES (SPIONS) OF NATURAL ORIGIN FOR POTENTIAL USE IN BIOMEDICAL APPLICATIONS
P-141	T11	Sofía Municoy	DEVELOPMENT OF 3D-PRINTED COLLAGEN SCAFFOLDS WITH IN-SITU SYNTHESIS OF SILVER NANOPARTICLES
P-142	T11	Ernesto S. Battaglia	MEDICAL GRADE POLYURETHANE / MWCNT COMPOSITES PRESENTING PHOTOTHERMAL RESPONSE
P-143	T11	Janet Chinellato	DEVELOPMENT OF A NANOPLATFORM BASED ON POLYLACTIC ACID
P-144	T11	Clara Soubelet	ZIRCONIA/BIOACTIVE GLASS NANOCOMPOSITES THROUGH A PARTICLE NANOCOATING FOR DENTAL IMPLANTS
P-145	T11	Rafael Bruno Fonseca	MECHANOCHEMICAL SYNTHESIS OF MAGNETIC NANOPARTICLES OBTAINED FROM MINING WASTE FOR BIOMEDICAL APPLICATIONS
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