



Bioprocess Engineering

ROOM: Caescaes

ID	TITLE	PRESENTING AUTHOR	DAY	TIME
16763	ENHANCED PHOTO-FERMENTATIVE BIOHYDROGEN PRODUCTION FROM CO-CULTURE OF PHOTOTROPHIC BACTERIA	DANIELA APARECIDA SANTOS	MONDAY Aug 26 th 2024	18:10 – 18:35
16960	EVALUATION OF LIGHT MODULATION ON BIOMASS PRODUCTION AND B-CAROTENE ACCUMULATION IN SYNECHOCYSTIS SP. CACIAM 05	RUTILEIA DE JESUS PAIVA		
17087	THE ROLE OF LIGHTENING, THERMAL ENERGY, AND NATURE OF THE SOLVENT ON TORULARRHODIN DEGRADATION	ARIANE ALVES OSHIRO		
17178	METHODS FOR SIMULTANEOUSLY DETERMINING THE CONCENTRATION OF YEAST AND BACTERIAL CELLS	CAROLINA TEIXEIRA MARTINS		
17388	STABILITY OF IMMOBILIZED AND CROSSLINKED MICROBIAL CELLS FOR THE PRODUCTION OF PREBIOTIC SUGARS	VINÍCIUS G. MELLO		
ARGUMENT				18:35 – 18:50
17591	ALCOHOLIC FERMENTATION OPTIMIZING OF MESQUITE AND PINEAPPLE COMPOST JUICE	FLAVIO LUIZ HONORATO DA SILVA	MONDAY Aug 26 th 2024	18:50 – 19:10
17616	OPTIMIZATION DRIVEN BY EXPERIMENTAL DESIGN OF ALKALINE GLYCEROL ORGANOSOLV PRETREATMENT AT LOW TEMPERATURE FOR ENHANCED SACCHARIFICATION OF TOBACCO STEM	FELIPE AVILA GAMA		
17642	ANALYSIS OF 1,3-PROPANEDIOL PRODUCTION BY KLEBSIELLA PNEUMONIAE BLH-1 USING BAYESIAN STATISTICS	NATHALIA LOBATO MORAES		
17921	OPTIMIZATION OF FREE FATTY ACIDS PRODUCTION BY ENZYMATIC HYDROLYSIS OF WASTE FRYING OIL WITH LIPASE BONDED TO RHIZOPUS ORYZAE MYCELIUM	ARTHUR OURO PRETO		
ARGUMENT				19:10 – 19:25
17944	REPEATED BATCHES OF SUGARCANE BAGASSE CONSOLIDATED BIOPROCESSING IN A VORTEX BIOREACTOR USING MAGNETIC IMMOBILIZED RECOMBINANT YEAST	THAIS SUZANE MILESSI ESTEVES	MONDAY Aug 26 th 2024	19:25 – 19:45
17954	PERISTALTIC PUMP DESIGN AND EVALUATION FOR BIOREACTOR FEEDING STRATEGIES	VITOR TEIXEIRA MAZZIERO		
18019	DETERMINATION OF THE REACTION VOLUME PROFILE OF A BATCH ALCOHOLIC FERMENTATION REACTOR	LORENA MARCELE DE FARIA LEITE		
18059	OPTIMIZATION OF CERULENIN PRODUCTION BY SAROCLADIUM ORYZAE BRM 59907	JOÃO ROGÉRIO BORGES DE AMORIM RODRIGUES		
ARGUMENT				19:45 – 20:00





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ROOM: Caescaes

ID	TITLE	PRESENTING AUTHOR	DAY	TIME
18204	MILLING STRATEGIES TO INCREASE MICROBIAL CARBOHYDRATE SOLUBILIZATION VIA COTREATMENT IN MULTIPLE SUBSTRATES	LUISA PIRES VAZ	TUESDAY Aug 27 th 2024	18:10 – 18:35
19039	PRODUCTION OF CAROTENOIDS IN STIRRED TANK BIOREACTOR FOR INDUSTRIAL USE AS FOOD COLORANTS	JULIO GABRIEL OLIVEIRA DE LIMA		
19049	EVALUATING THE PROTEIN POTENTIAL OF FUNGAL MYCELIUM USING DIFFERENT NITROGEN SOURCES	EDUARDA MONTEIRO MARTINS		
19348	MATHEMATICAL MODELING OF AMOXICILLIN SYNTHESIS AT HIGH ESTER CONCENTRATION	INGRID CABRAL DOS SANTOS		
19368	ENHANCED ETHANOL PRODUCTION FROM LIGNOCELLULOSE USING GENETICALLY MODIFIED SACCHAROMYCES CEREVISIAE EXPRESSING HETEROLOGOUS CELLOBIOHYDROLASES	ENYLSOON XAVIER RAMALHO		
ARGUMENT				18:35 – 18:50
:19376	PEROXONE PROCESS APPLIED TO THE DETOXIFICATION OF RICE STRAW HEMICELLULOSIC HYDROLYSATE AS A STRATEGY FOR IMPROVING THE BIOCONVERSION OF PENTOSE	CAMILLA GOMES MASCARENHAS	TUESDAY Aug 27 th 2024	18:50 – 19:10
19444	AN ECO-FRIENDLY APPROACH USING LIGNOCELLULOSIC WASTE MATERIAL FROM LICURI AS A CARRIER FOR BURKHOLDERIA CEPACIA LIPASE IN HYDROESTERIFICATION	CESAR DE ALMEIDA RODRIGUES		
19653	TECHNICAL ANALYSIS AND CURRENT PERSPECTIVES FOR A BUTYRIC ACID PRODUCTION PLANT FROM SOYBEAN HULLS	THOMAS PHILIP STARUCKA		
19654	INFLUENCE OF ALCOHOLIC FERMENTATION COMPONENTS ON RAMAN SPECTROSCOPY AIMING ONLINE MONITORING	JOÃO PEDRO MARQUES		
ARGUMENT				19:10 – 19:25
19704	BIOREACTOR PRODUCTION PROCESS OF SPODOPTERA FRUGIPERDA MULTIPLE NUCLEOPOLYHEDROVIRUS BIOPESTICIDE	ALDO TONSO	TUESDAY Aug 27 th 2024	19:25 – 19:45
19757	DEVELOPMENT OF AN AFFORDABLE AND AUTOMATED BIOREACTOR FOR MICROALGAL CULTIVATION	JACKELYNE DE SOUZA CARVALHO		
19772	BIOTREATMENT JUTA FIBER USING AN ENZYMATIC COMPLEX TO IMPROVE QUALITY AND APPLICABILITY IN THE TEXTILE INDUSTRY	BRUNA PORTO		
19733	PRODUCTION OF LIPIDS AND CARBOHYDRATES FROM THE CULTIVATION OF CHLOROLOBION BRAUNII IN PRODUCED WATER	LUCAS GUIMARÃES CARDOSO		
ARGUMENT				19:45 – 20:00





Bioprocess Engineering

ROOM: Caescaes

ID	TITLE	PRESENTING AUTHOR	DAY	TIME
19780	VIABLE CELL COUNT AND MAXIMUM SPECIFIC GROWTH RATE OF FED-BATCH CULTURES OF rBCG-PERTUSSIS	VIVIANE MAIMONI GONÇALVES	WEDNESDAY Aug 28 th 2024	18:10 – 18:35
19804	DEVELOPMENT OF BIOPROCESS SCALE-UP STRATEGY FOR PIGMENT PRODUCTION IN BENCH-SCALE BIOREACTORS	RAFAELA DE OLIVEIRA PENHA		
19825	BIOPROCESS OPTIMIZATION FOR PRODUCTION OF MONASCUS PIGMENTS: INFLUENCE OF XYLOSE AND YEAST EXTRACT	WILLIAN DE SOUZA MATIAS REIS		
19830	2G ETHANOL FERMENTATION PROCESS INTEGRATED WITH BIOCHAR DERIVED FROM POST-HYDROLYSIS SISAL MUCILAGE	TÁSSIA CRISTINA DA SILVA		
19870	PRODUCTION OF RHAMNOLIPID BIOSURFACTANT BY PSEUDOMONAS AERUGINOSA USING DIFFERENT BIOREACTOR OPERATING MODES AND CRUDE GLYCERIN	EDUARDO DE OLIVEIRA JUNIOR		
ARGUMENT				18:35 – 18:50
19939	A NEW APPROACH TO DETERMINE OXYGEN SOLUBILITY IN COMPLEX CULTURE MEDIA	LIANA LONGO DO NASCIMENTO	WEDNESDAY Aug 28 th 2024	18:50 – 19:10
19959	OVEREXPRESSION OF PYRUVATE CARBOXYLASE IN SACCHAROMYCES CEREVISIAE FOR CO ₂ FIXATION	IANE MARIA FONSECA		
19964	GROWTH KINETICS OF YARROWIA LIPOLYTICA ENGINEERED FOR GERANIOL PRODUCTION	MAYRA PAULA DE SOUZA E SOUSA		
19966	SEAWATER EMPLOYED IN SPIRULINA CULTIVATION TO REPLACE FRESHWATER AND NUTRIENTS	GABRIEL MARTINS DA ROSA		
ARGUMENT				19:10 – 19:25
19998	EXTRACELLULAR POLYMERIC SUBSTANCES PRODUCTION BY RHODOCOCCUS ERYTHROPOLIS ATCC 4277 IN GLUCOSE	IGOR YANNICK DAS NEVES VASCONCELLOS BRANDÃO	WEDNESDAY Aug 28 th 2024	19:25 – 19:45
20034	IRON NANOPARTICLES BIOGENIC SYNTHESIS THROUGH CELL-FREE EXTRACT OF SURFACTIN PRODUCER BACILLUS SUBTILIS	ISABELA DELLA-FLORA		
20079	AQUEOUS MESQUITE EXTRACT AS MEDIUM FOR FUNGAL PECTINASES PRODUCTION	NATTANAEL COSTA DE MELO		
20085	OPTIMIZING HYDROLYSIS OF KAPPAPHYCUS ALVAREZII FOR FERMENTABLE SUGARS: A POTENTIAL FEEDSTOCK FOR BIOETHANOL PRODUCTION	LEONARDO JOSÉ DUDA		
ARGUMENT				19:45 – 20:00





Environmental Biotechnology

ROOM: Tupi

ID	TITLE	PRESENTING AUTHOR	DAY	TIME
16761	HEAVY METALS REMOVAL BY <i>Rhodospirillum rubrum</i>	DANIELA APARECIDA SANTOS	MONDAY Aug 26 th 2024	18:10 – 18:35
16876	BACTERIAL CELLULOSE PRODUCTION FROM AGRO-INDUSTRIAL WASTEWATER FOLLOWED BY BIOGAS PRODUCTION: TECHNICAL FEASIBILITY OF IMPLEMENTING A BIOREFINERY CONCEPT	ROBERTA ALBANEZ		
17114	TOXIC COMPOUNDS REMOVAL PERFORMANCE OF A FULL-SCALE DOMESTIC WASTEWATER TREATMENT PLANT AND THE MICROBIAL COMMUNITY INVOLVED	JULIANA CARDINALI REZENDE		
17117	PERSPECTIVES FOR BIOPOLYMERS RECOVERED FROM A FULL-SCALE ACTIVATED SLUDGE SYSTEM	NELSON LIBARDI JUNIOR		
17133	PERFORMANCE AND RELIABILITY ANALYSIS OF ANAEROBIC/ANOXIC AND AEROBIC COMPARTMENTED REACTORS TREATING DILUTED DOMESTIC SEWAGE	KENIA KELLY BARROS DA SILVA		
ARGUMENT				18:35 – 18:50
17149	THERMOPHILIC DARK FERMENTATION OF SOYBEAN MOLASSES: IS TEMPERATURE OPTIMIZATION THE KEY TO MAXIMIZING THE H ₂ PRODUCTION?	ISABELA MEHI GASPARI AUGUSTO	MONDAY Aug 26 th 2024	18:50 – 19:15
17179	THE INFLUENCE OF BIO-OXIDATION OF A FLOTATION CONCENTRATE AS A PRE-OXIDATIVE STEP FOR THE CYANIDATION OF PRECIOUS METALS	ANDRIELA DUTRA NORBERTO DE OLIVEIRA		
17399	ENHANCING THE ANAEROBIC BIOMETANIZATION OF SWINE MANURE WITH GRANULAR ACTIVATED CARBON ADDITION	ANDRÉ BEZERRA DOS SANTOS		
17517	DEVELOPMENT OF LABORATORY COMPOSTERS SYSTEM TO MIMIC BOVINE CONFINEMENT “COMPOST BARN”	GABRIELA MARIA FERNANDES FIÃES		
17901	EFFICIENT DECOLORIZATION AND DETOXIFICATION OF MALACHITE GREEN DYE BY FREE AND IMMOBILIZED LACCASE OF <i>Pycnoporus sanguineus</i>	ROSANE MARINA PERALTA		
ARGUMENT				19:15 – 19:30
18442	BIOTREATABILITY OF WATER IN CLOSED-LOOP SYSTEMS OF THE RECYCLED PAPER INDUSTRY	JULIA GABRIELA DICK	MONDAY Aug 26 th 2024	19:30 – 19:55
19015	BET VINSASSE TREATMENT USING ANAEROBIC BIORECTOR WITH EXTERNAL ULTRAFILTRATION MEMBRANE	BEATRIZ EGERLAND BUENO		
19118	EVALUATION OF THREE TYPES OF INOCULUM FOR BIOGAS PRODUCTION FROM BENCHTOP BIODIGESTERS	LUCAS FIGUEIREDO FORMIGOSA		
19169	DEVELOPMENT OF A LOW-COST SENSOR FOR METHYLPARABEN DETECTION AND MONITORING	JHENNIFER APARECIDA MARQUES SILVA		
19301	IS THE USE OF COSUBSTRATES BENEFICIAL IN THE REMOVAL OF PHARMACEUTICALS FROM SYNTHETIC SANITARY SEWAGE?	ANA PAULA PAULINETTI		
ARGUMENT				19:55 – 20:10





Environmental Biotechnology

ROOM: Tupi

ID	TITLE	PRESENTING AUTHOR	DAY	TIME
19328	BIOSTIMULATION STRATEGY FOR RAPID START-UP OF ANAMMOX PROCESSES	HELOISA CAMPEÃO RODRIGUES	WEDNESDAY Aug 28 th 2024	18:10 – 18:35
19363	INVESTIGATING BIOCHEMICAL BIOGAS POTENCIAL FROM CO-DIGESTION OF BOVINE MANURE AND ACTIVATED SLUDGE WASTE	MARINA ZYTKUEVISZ TEIXEIRA		
19392	BIOFLOCCULANT PRODUCTION FROM EXCESS-ACTIVATED SLUDGE AND ITS APPLICATION IN TEXTILE WASTEWATERS	WAGNER ARTIFON		
19554	AVALIAÇÃO DE SISTEMAS REACIONAIS PARA FOTODESCARBOXILAÇÃO DE ACIDOS GRAXOS MEDIADOS POR CVFAP	ANA LUIZA PESSANHA DA SILVA		
19563	EVALUATION OF THE PERFORMANCE OF METAL-CARBON ELECTRODES ON POWER PRODUCTION FROM SYNTHETIC WASTEWATER IN A MICROBIAL FUEL CELL	LUCAS BETIM SAUTER		
ARGUMENT				18:35 – 18:50
19588	BRINGING GENOMICS INTO WILDLIFE ECOTOXICOLOGY: MICRORNA SEQUENCING IN ANNUAL KILLIFISH EXPOSED TO ROUNDUP® HERBICIDE	ANTONIO DUARTE PAGANO	WEDNESDAY Aug 28 th 2024	18:50 – 19:15
19652	ASSESSING THE BIODEGRADATION OF WATER POLLUTING OILS BY MARINOBACTER AQUAEOLEI AND MARINOBACTER LIPOLYTICUS: APPLICATION IN THE BIOLOGICAL TREATMENT OF PRODUCED WATER	TÁSSIO BAETA ZILLE GONTIJO		
19711	IMMOBILIZATION OF CARBONIC ANHYDRASE FROM SULFURIHYDROGENIBIUM AZORENSE ONTO IMMOBEAD 350 FOR CO2 CAPTURE	GUILHERME ANGELO LOBO		
19721	EVALUATING THE EFFECTS OF LONG-TERM EXPOSURE TO NORFLOXACIN ON THE PERFORMANCE OF A MICROBIAL FUEL CELL	RAYANE KUNERT LANGBEHN		
19803	MEMBRANE BIOREACTOR PRECEDED BY UASB REACTOR FOR TEXTILE EFFLUENT TREATMENT: COLOR AND COD REMOVAL	LETICIA SAMARA KRUIZE		
ARGUMENT				19:15 – 19:30
19864	UNDERSTANDING THE STRUCTURE OF MANNAN FROM AÇAÍ SEEDS FOR THE EFFICIENT BIOCONVERSION TO MANNOSE	INGRID SANTOS MIGUEZ	WEDNESDAY Aug 28 th 2024	19:30 – 19:50
19961	AGAVE SP. IAC4: A NEW AND PRODUCTIVE CULTIVAR IN PLANT TISSUE CULTURE	CAMILA GOMES CABRAL		
19963	BIOLOGICAL PRETREATMENT TO ENHANCE BIOGAS POTENTIAL OF WASTE CHICKEN FEATHERS	PAULA RODRIGUEZ BONNECARRERE		
20122	SWINE WASTEWATER AS MEDIUM FOR GROWING DUCKWEEDS TO NUTRIENT CYCLING AND VALUABLE BIOMASS CONVERSION	DAIANE SALETE BROCH MIGNONI		
ARGUMENT				19:50 – 20:05





Industrial Enzymology

ROOM: Tupi

ID	TITLE	PRESENTING AUTHOR	DAY	TIME
17355	THE IMPACT OF N-GLYCOSYLATION ON THE FUNCTION AND SECRETION OF FUNGAL RECOMBINANT ENZYMES	ANDRÉ DAMASIO	TUESDAY Aug 27 th 2024	18:10 – 18:35
18017	REUTILIZATION OF THE MOST STABLE COIMMOBILIZED ENZYME TO BUILD A NEW COMBIENZYME WHEN THE LESS STABLE ENZYME HAS BEEN INACTIVATED USING GLUTARALDEHYDE CHEMISTRY	DIANDRA DE ANDRADES		
19125	HYDROCARBON BIOSYNTHESIS BY ATYPICAL P450 ENZYMES	LETICIA MARIA ZANPHORLIN MURAKAMI		
19352	PRODUCTION OF BIOLUBRICANT BASES BY ENZYMATIC HYDROESTERIFICATION OF BABASSU AND CASTOR OILS: INFLUENCE OF THE CARBON TAIL LENGTH AND UNSATURATION DEGREE ON THE BIOESTERS' PHYSICOCHEMICAL AND TRIBOLOGICAL PROPERTIES	PAULO WALDIR TARDIOLI		
19481	EFFECT OF MAGNETIC FIELD ON LIPASE STRUCTURE AND PERFORMANCE	FRANCISCO LUCAS CHAVES ALMEIDA		
ARGUMENT				18:35 – 18:50
19569	ESTIMATION OF SELECTIVITIES IN REACTIONS INVOLVING THE PING PONG BI BI MECHANISM	DAVID ALEXANDER MITCHELL	TUESDAY Aug 27 th 2024	18:50 – 19:15
19600	PROTEIN-INORGANIC HYBRID SYSTEM FOR THE EFFICIENT HIS-TAGGED ENZYME AO: DCP-IP-OR IMMOBILIZATION	LINDOMAR ALBERTO LERIN		
19649	CAZYME REPERTOIRE AND SUGAR METABOLIC PATHWAY OF KRETZSCHMARIA ZONATA	LUCAS FILIPE ALMEIDA		
19717	ON-SITE PRODUCED ENZYME COCKTAILS FOR SACCHARIFICATION OF HYDROTHERMAL PRETREATED SOYBEAN HULLS	AMANDA DONEGA DA SILVA		
19732	CATALYTIC PERFORMANCE OF LIPASE EVERSA® TRANSFORM 2.0 IN HYDROESTERIFICATION REACTION AND SPECTROSCOPY STUDIES	WAGNER CARLOS DE ALCANTARA CARVALHO		
ARGUMENT				19:15 – 19:30
19928	CONVERSION OF B-TYPE TO A-TYPE PROCYANIDINS BY OXIDASES AND EVALUTION OF THEIR REACTION CONDITIONS	MARIANA MONTEIRO GUILHERME MATTOS	TUESDAY Aug 27 th 2024	19:30 – 19:55
19955	ONE-STEP LACCASE IMMOBILIZATION ON PVDF (POLYVINYLIDENE DIFLUORIDE) MEMBRANES INTENDED FOR WASTEWATER TREATMENT	VINICIUS DE CASTRO ALBUQUERQUE		
19983	EXTRACELLULAR LIPASE PRODUCTION BY A NOVEL <i>Geotrichum candidum</i> STRAIN IN CORNCOB CELLULOSIC HYDROLYSATE	THIAGO QUEIROZ JARDIM RODRIGUES		
20541	COVALENT ORGANIC FRAMEWORKS AS HYDROPHOBIC SUPPORTS FOR CANDIDA RUGOSA LIPASE IMMOBILIZATION	LETICIA DOBLER		
19873	PREPARATION AND BIOCHEMICAL CHARACTERIZATION OF MAGNETIC CLEAS OF RECOMBINANT L-ARABINOSE ISOMERASE FROM ENTEROCOCCUS FAECIUM DBFIQ E36 AS A BIOCATALYST FOR D-TAGATOSE SYNTHESIS	LUCIANA ROCHA BARROS GONÇALVES		
ARGUMENT				19:55 – 20:10





Industrial Microbiology

ROOM: Guarani

ID	TITLE	PRESENTING AUTHOR	DAY	TIME
16985	MICROALGAE LIPIDS: EXPLORING NEOCHLORIS OLEOABUNDANS FOR APPLICATIONS IN THE FOOD INDUSTRY	RAPHAEL OLIVEIRA SENA	MONDAY Aug 26 th 2024	18:10 – 18:35
17977	ENHANCING RECOMBINANT PROTEIN PRODUCTION BY MRNA STRUCTURE OPTIMIZATION: PNEUMOLYSIN AS A CASE STUDY	VIVIANE MAIMONI GONÇALVES		
18242	NATURAL BLUE DYE HETEROLOGOUS PRODUCTION IN BACTERIA	DANIELLE BISCARO PEDROLLI		
19340	ETHANOL PRODUCTION BY A BEE-ISOLATED YEAST: AN EXPERIMENTAL DESIGN ANALYSIS	SÉRGIO LUIZ ALVES-JR		
19365	CELLULOLYTIC ACTIVITY OF RHIZOBACTERIA ASSOCIATED WITH SISAL (AGAVE SISALANA PERRINE EX ENGELM.)	ELLIE JOSÉ PEREIRA		
ARGUMENT				18:35 – 18:50
19434	POTENTIAL OF WILD STRAINS OF RHODOTORULA GLUTINIS ISOLATED FROM PRESERVED ATLANTIC FOREST FRAGMENTS AND THE USE OF GLYCEROL AS AN ALTERNATIVE SUBSTRATE FOR BIOPIGMENTS PRODUCTION	GABRIEL LEDA ARRUDA	MONDAY Aug 26 th 2024	18:50 – 19:15
19571	DISCOVERY AND CHARACTERIZATION OF LINEAR MANNAN SPECIALIZED ENZYMES: A STRATEGY FOR AÇAÍ SEEDS VALORIZATION	ROBERTA PEREIRA ESPINHEIRA		
19593	EVALUATION OF PROTEIN SECRETORY CAPABILITIES IN ASPERGILLUS SPECIES	LANA OHARA SOUZA SILVA		
19694	HETEROLOGOUS EXPRESSION OF A THERMOSTABLE CARBONIC ANHYDRASE FROM SULFURIHYDROGENIBIUM AZORENSE IN E. COLI ARCTICEXPRESS (DE3) FOR OPTIMIZING INDUSTRIAL CO ₂ ABSORPTION	GUILHERME ANGELO LOBO		
19720	INDUCTION OF PENICILLIUM EXPANSUM LIPASE IN LOW-COST MEDIUM CONTAINING SUNFLOWER HUSK	VALERIA MONTEZE GUIMARAES		
ARGUMENT				19:15 – 19:30
19753	EPIPHYTIC BACTERIA OF BROMELIAS FROM CHAPADA DIAMANTINA AND THEIR CELLULOLYTIC POTENCIAL	FRANCISCO CLENIO ROBSON DE SOUZA CRUZ	MONDAY Aug 26 th 2024	19:30 – 19:55
19781	ENHANCED PRODUCTION OF MELANIN THROUGH AN ENGINEERED TRICHODERMA HARZIANUM STRAIN	LIRIEL HELEN R. MACIEL		
19817	MICROBIAL DIVERSITY OF METHANOGENIC ARCHAEA IN ANAEROBIC DIGESTION USING TWO DIFFERENT PRIMERS FOR 16S RRNA GENE REGIONS	SUELEN OSMARINA PAESI		
19932	MINING BIOPIGMENTS IN PUBLIC DATASETS THROUGH UNTARGETED METABOLOMICS	FERNANDA DE OLIVEIRA		
19989	UNLOCKING GLYCEROL'S POTENTIAL: METABOLIC ENGINEERING FOR MUCONIC ACID BIOSYNTHESIS IN E. COLI	CÍNTIA REGINA SARGO		
ARGUMENT				19:55 – 20:10





Biorefinery, Bioeconomy
and Circularity

ROOM: Guarani

ID	TITLE	PRESENTING AUTHOR	DAY	TIME
16700	ENHANCING XYLOSE EXTRACTION FROM PASSION FRUIT PEEL THROUGH OPTIMAL HYDROLYSIS	AIDA AGUILERA INFANTE NETA	TUESDAY Aug 27 th 2024	18:10 – 18:35
17189	PILOT SCALE ON-SITE BIOREMEDIATION OF BREWERY WASTEWATER USING ARTHROSPIRA SP. IN RIO DE JANEIRO, BRAZIL: A PRELIMINARY ASSESSMENT OF BIOMASS AS A BIOFERTILIZER FOR BARLEY (HORDEUM VULGARE)	ARTHUR LIMA E SILVA		
17202	CO-HYDROTHERMAL CARBONIZATION OF NON-DEWATERED SEWAGE SLUDGE AND LIGNOCELLULOSIC WASTE – HYDROCHAR AS A POTENTIAL SOLID BIOFUEL	MATHEUS CAVALI		
17393	BIOFERTILIZER PRODUCTION ENHANCES THE PERFORMANCE AND SUSTAINABILITY OF THE ANNEXED SUGARCANE BIOREFINERY	ANDREW MILLI ELIAS		
17910	TRANSFORMING THE LIGNIN-RICH RESIDUES OF SUGARCANE BAGASSE BIOCONVERSION INTO BIO-OIL AND BIOCHAR	BARBARA RIBEIRO ALVES ALENCAR		
ARGUMENT				18:35 – 18:50
17922	DETERMINATION AND IDENTIFICATION OF THE MAIN CONSTITUENTS PRESENT IN THE STEM OF THE CACTUS HYLOCEREUS MEGALANTHUS	FELIPE RAIMUNDO NEIVA PASSOS	TUESDAY Aug 27 th 2024	18:50 – 19:15
18065	THE INFLUENCE OF PARTIAL PRESSURE ON HYDROGEN PRODUCTION FROM SUGARCANE VINASSE	SOFIA LÜCK TEIXEIRA		
18646	EFFECT OF PH, SOLID CONCENTRATION, AND ENZYME DOSAGE ON ENZYMATIC HYDROLYSIS OF STEAM-EXPLOSION PRETREATED EUCALYPTUS GRANDIS WOOD	CAMILA ALEJANDRA BACQUERIE		
19055	OXIDATIVE TREATMENTS OF CITRIC INDUSTRIAL BY-PRODUCT TOWARDS BIOTECHNOLOGICAL VALORIZATION	ELOISA LOPES LEONEL		
19359	EVALUATION OF THE POTENTIAL OF SUGARCANE BAGASSE FOR OBTAINING CHARCOAL, BIO-OIL, AND GAS THROUGH FAST PYROLYSIS PROCESS UNDER DIFFERENT OPERATIONAL CONDITIONS	MARINA CAMPANER FERNANDES		
ARGUMENT				19:15 – 19:30
19377	HYDROLYSIS OF PET FOOD WASTE – PRODUCTION OF REDUCTION SUGARS	VITOR GUILHERME CECILIO DE SALES	TUESDAY Aug 27 th 2024	19:30 – 19:55
19429	MACROGAE-BASED NANOCELLULOSE: SCALE UP AND ECONOMIC ASSESSMENT	JOAO PEDRO GAUDENCIO RIBEIRO DOS SANTOS		
19610	SOYBEAN HULLS AS CARBOHYDRATE FEEDSTOCK FOR ETHANOL PRODUCTION	RAFAELA INES DE SOUZA LADEIRA AZAR		
19612	STRUCTURAL INFLUENCE OF PLANETARY BALL MILLING PRE-TREATMENT IN KERNEL CAKE OF MACAUBA PROBED BY 13C CPMAS NMR SPECTROSCOPY	MICHELLE RAMOS CAVALCANTE FORTUNATO		
19680	ENHANCING METHANE PRODUCTION FROM CASSAVA STARCH: COMPARATIVE ANALYSIS OF EXTRUSION PRETREATMENT IN SINGLE-STAGE AND TWO-STAGE ANAEROBIC DIGESTION	DANIEL OLUWAGBOTEMI FASHEUN		
ARGUMENT				19:55 – 20:10





Biorefinery, Bioeconomy
and Circularity

ROOM: Guarani

ID	TITLE	PRESENTING AUTHOR	DAY	TIME
19706	POTENTIAL OF BIOGAS PRODUCTION FROM ANAEROBIC CO-DIGESTION OF LICURI FIBER AND SEWAGE SLUDGE	CESAR DE ALMEIDA RODRIGUES	WEDNESDAY Aug 28 th 2024	18:10 – 18:35
19775	VOLATILE FATTY ACID PRODUCTION VIA CONSOLIDATED BIOPROCESSING: EXPLOITING LIGNOCELLULOSIC MATERIALS WITH CLOSTRIDIUM STRAINS	VANESSA KRISTINE DE OLIVEIRA SCHMIDT		
19854	POTENTIAL OF YARROWIA LIPOLYTICA FOR BIOSURFACTANT AND XYLITOL PRODUCTION IN BIOREFINERIES	GUILHERME DE OLIVEIRA SILVA		
19871	VALORIZATION OF THE MACROALGAE SOLIERIA FILIFORMIS USING A BIOREFINERY CONCEPT	ANA CAROLINA SALES PEREIRA DE SOUSA		
19898	INCREASING THE PROTEIN CONTENT IN SACCHAROMYCES CEREVISIAE DURING ETHANOL PRODUCTION FROM SUGARCANE MOLASSES WITH NITROGEN SUPPLEMENTATION	THIAGO OLITTA BASSO		
ARGUMENT				18:35 – 18:50
19919	TECHNICAL AND ECONOMIC ANALYSIS OF THE PRODUCTION OF BIOMETHANE AND BY-PRODUCTS WITH AÇAÍ SEEDS	PEDRO VITOR DE OLIVEIRA MARTINS	WEDNESDAY Aug 28 th 2024	18:50 – 19:15
19933	STRATEGIES FOR FUNGAL SOLID-STATE CULTIVATION USING BY-PRODUCTS FROM COFFEE PRODUCTION AND PROCESSING	LUCAS SOUZA DE CARVALHO		
20033	PRODUCTION OF BACTERIOCIN-LIKE INHIBITORY SUBSTANCE FROM LACTIC ACID BACTERIA UTILIZING CULTURE MEDIUM FORMULATED WITH CORN STEEP LIQUOR AND SUGAR CANE MOLASSES	TACIANA FREIRE DE OLIVEIRA		
20049	HIGH YIELD BIOREFINERY PRODUCTS FROM SUGARCANE BAGASSE: PREBIOTIC XYLOOLIGOSACCHARIDES, CELLULOSIC ETHANOL, CELLULOSE NANOFIBRILS AND LIGNIN NANOPARTICLES	VALDEIR ARANTES		
19987	ENHANCED ENZYMATIC HYDROLYSIS OF CORN STARCH VIA SHORT-TIME BALL MILLING: CHEMICAL AND STRUCTURAL CHANGES	CAROLINA REIS GUIMARÃES		
ARGUMENT				19:15 – 19:30
20054	THE CONVERSION OF CORNCOB BIOMASS CAN BE ACCELERATED BY AUTOHYDROLYSIS WITH CITRIC ACID	JAMES VILLAR	WEDNESDAY Aug 28 th 2024	19:30 – 19:50
20066	GUIDELINES OF GREEN CARBON QUANTUM DOTS SYNTHESIS THROUGH LIFE CYCLE ASSESSMENT	VALENTINA ARIAS VELASCO		
20099	LIGNIN NANOPARTICLES AS A GREEN ALTERNATIVE FOR LIGNIN VALORIZATION: EVALUATION OF PREPARATION PROCEDURES	JÜRGEN ANDREAUS		
20542	POTENTIAL OF PYROLYGENOUS EXTRACT FROM GRAPE WASTE FOR SOYBEAN GROWTH PROMOTION	MATEUS TORRES NAZARI		
ARGUMENT				19:50 – 20:05





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ID	TITLE	PRESENTING AUTHOR	DAY	TIME
16781	FUNGAL SCREENING FOR GIBBERELIC ACID PRODUCTION BY SUBMERGED FERMENTATION	FABRICIO GOMES MENEZES PORTO	MONDAY Aug 26 th 2024	18:10 – 18:35
17147	POLYMERS AND AMINO ACIDS AS ADDITIVES FOR THE STABILIZATION OF THE BIOPHARMACEUTICAL L-ASPARAGINASE	NATHALIA VIEIRA PORPHIRIO VERISSIMO		
17212	STABILITY OF FREE AND ENCAPSULATED C-PHYCOCYANIN IN DIFFERENT PH, TEMPERATURE AND STORAGE CONDITIONS	JULIANA BARONE TEIXEIRA		
17327	ERLOTINIB'S AMORPHOUS SOLID DISPERSION IN PULLULAN /KLUCEL MATRIX FOR ORAL CHEMOTHERAPY	LAYDE TEIXEIRA DE CARVALHO		
17599	FORMULATION OF HYDROGELS FOR INJECTION AND 3D BIOPRINTING OF SCAFFOLDS FOR REGENERATIVE MEDICINE APPLICATIONS	RODOLPHO FAGUNDES CORREA		
ARGUMENT				18:35 – 18:50
17621	STUDY OF WATER ADSORPTION ISOTHERMS OF GALIA MELON PEEL	JÉSSIKA CIBELLY MORAIS DE SOUZA	MONDAY Aug 26 th 2024	18:50 – 19:15
17636	PURIFICATION OF UNTAGGED PNEUMOCOCCAL SURFACE PROTEIN AN OBTAINED ON A DETOXIFIED EXPRESSION PLATAFORM	THIAGO DAVID DE PAIVA		
18395	HYDROLYSATES FROM AGRO-INDUSTRIAL PLANT WASTE AS POTENTIAL SUBSTITUTES FOR FETAL BOVINE SERUM IN CULTURED MEAT	BARBARA FLAIBAM		
19137	BIOSENSOR: CONSTRUCTION STUDY AND APPLICATIONS IN THE RECOGNITION OF CHEMICAL WAFARE AGENTS AND IONIZING RADIATIONS.	JOÃO NILTON DA CONCEIÇÃO BANDEIRA		
19153	FERULIC & P-COUMARIC ACIDS FOR NATURAL COSMETICS: ELASTASE AND TYROSINASE INHIBITION VIA IN VITRO AND IN SILICO APPROACHS	LUANA LUZ		
ARGUMENT				19:15 – 19:30
19269	FORMULATION DEVELOPMENT FOR MICROBIOLOGICAL CONTROL OF PESTS AND ANTAGONISM TESTS	AMANDA SILVESTRE CHIQUITES	MONDAY Aug 26 th 2024	19:30 – 19:55
19342	ENGINEERING AND ENCAPSULATION OF L-ASPARAGINASE IN HUMAN A2-MACROGLOBULIN: A PROTEIN-COMPLEX FOR THE ACUTE LYMPHOBLASTIC LEUKEMIA TREATMENT	TALES ALEXANDRE DA COSTA E SILVA		
19347	ANTIOXIDANT ACTIVITY AND ENZYME-ASSISTED HYDRODISTILLATION OF MATOUREA AZUREA ESSENTIAL OIL	SAMIA KARYNE GOMES DE SA		
19361	SUSTAINABLE POTENTIAL OF CANTALOUPE MELON PEEL SEQUENTIAL ACIDORGANOSOLV PRE-TREATMENT METHOD	KARLLOS EDUARDO DE LIMA COSTA		
19383	OPTIMIZING POLYSACCHARIDE-PROTEIN HYDROGELS FOR REGENERATIVE MEDICINE AND CELLULAR AGRICULTURE: A RHEOLOGICAL STUDY	HENRIQUE AURELIANO LOURENÇO DA COSTA		
ARGUMENT				19:55 – 20:10





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ROOM: Espaço Arvoredo

ID	TITLE	PRESENTING AUTHOR	DAY	TIME
19401	EXTRACTION OF PROTEINS FROM NORTHEASTERN BRAZILIAN PLANTS WITH POTENTIAL FOR PROTEASE INHIBITION	ÁLVARO SILVA LIMA	TUESDAY Aug 27 th 2024	18:10 – 18:35
19403	TEXTILE DYING USING RED PIGMENT PRODUCED BY FUNGI MONASCUS RUBER TIEGHEM IOC 2225	RULY TERAN HILARES		
19485	OPTIMIZATION OF R-PHYCOERYTHRIN EXTRACTION PROCESS FROM SOLIERIA FILIFORMIS	RAÍSSA MAGALHÃES FERREIRA LIMA		
19534	DEVELOPMENT OF A BIODEGRADABLE FILM USING AGRO-INDUSTRIAL BY-PRODUCTS – PINE NUT FAILURE (ARAUCARIA AUGUSTIFOLIA) AND RICE HUSK (<i>Oryza sativa</i>)	THAÍS COSTA NIHUES		
19546	CHARACTERISTICS OF SPHEROIDS FROM STEM CELLS OF DIFFERENT SOURCES RECAPITULATING CARTILAGE TISSUE	ÂNGELA MARIA MORAES		
ARGUMENT				18:35 – 18:50
19566	SPENT COFFEE GROUND BIOCHAR: OBTAINING AND USE IN HYDROLYSATE DEXTOXIFICATION	LETÍCIA VICENTE MORENO	TUESDAY Aug 27 th 2024	18:50 – 19:15
19577	ELECTROSPUN SCAFFOLDS CONTAINING PGLPDL NPS SYNTHESIZED VIA E-ROP FOR TISSUE ENGINEERING APPLICATIONS	HELOÍSA BREMM MADALOSSO		
19585	GOLD NANOPARTICLES FUNCTIONALIZED WITH PROTAMINE FOR MRNA DELIVERY	LUIZA MANFRINATO PEDROTTI DA ROSA		
19625	EXTRACTION AND CHARACTERIZATION OF R-PHYCOERYTHRIN FROM MACROALGAE SOLIERIA FILIFORMIS USING PRESSURIZED FLUID	ANA CAROLINA SALES PEREIRA DE SOUSA		
19700	THE POTENTIAL OF BIOPOLYMERS IN CONTROLLING THE IN VITRO DISSOLUTION OF A HYDROPHOBIC DRUG FROM FILAMENTS	MARYANA BIZARRIA DA SILVA		
ARGUMENT				19:15 – 19:30
19712	PROTEIN RECOVERY FROM BROKEN BLACK BEAN: IMPACT ON FUNCTIONAL AND NUTRITIONAL PROPERTIES	RENATA FIALHO TEIXEIRA	TUESDAY Aug 27 th 2024	19:30 – 19:55
19758	DEVELOPMENT OF BIOGLASS/COLLAGEN DRESSINGS VIA TAPE CASTING FOR POTENTIAL USE IN TISSUE ENGINEERING	MARIA EDUARDA XAVIER DA SILVA		
19824	DEVELOPMENT OF SUSTAINABLE INSECT PROTEIN HYDROGELS FROM TENEBRIO MOLITOR	MAYARA KUASNEI		
19916	<i>Paenibacillus polymyxa</i> REPRESENTS A DUAL APPLICATIONS OF NATIONAL BIOPRODUCTS	GIULIANNA DOS SANTOS PEREIRA		
20046	BIOREFINERY-DERIVED XYLOOLIGOSACCHARIDES: STRUCTURAL INFLUENCE ON PREBIOTIC POTENTIAL IN FECAL FERMENTATION	WILIAN FIORELI MARCONDES		
ARGUMENT				19:55 – 20:10

