



## PROGRAMAÇÃO SINAFERM/SHEB 2017

03/09/2017 (Domingo)	
16:30 – 18:00	Credenciamento
18:30 – 19:30	Cerimônia de Abertura
19:30 – 20:00	Homenagens
20:00 – 20:50	Conferência de Abertura
<b>20:50 – 24:00</b>	<b>Coquetel de Abertura</b>

**Local:** Clube do Banese

**Endereço:** Av. Mário Jorge Menezes Vieira, 1350

**Bairro** Coroa do Meio, Aracaju-Sergipe

**Conferência de Abertura:** Extraction, fractionation and purification of biocompounds with aqueous solution of ionic liquids

**Palestrante:** Dr. João Araújo Pereira Coutinho

**Instituição:** Universidade de Aveiro

**Coquetel de Abertura**

**DJ Dodô**

<b>04/09/2017 (Segunda-feira)</b>				
8:00 – 12:00	Escola de Bioprocessos (Minicursos 8 h)			
12:00 – 14:00	Intervalo para Almoço			
14:00 – 15:00	Plenária - BPF	Plenária - PMO	Plenária - BAM	Plenária - PHB
15:00 – 16:45	Sessão Oral 1			
15:00 – 15:30	BPF-KN	PMO-KN	BAM-KN	PHB-KN
15:30 – 15:45	BPF-1	PMO-1	BAM -1	PHB-1
15:45 – 16:00	BPF-2	PMO -2	BAM -2	PHB -2
16:00 – 16:15	BPF-3	PMO -3	BAM -3	PHB -3
16:15 – 16:30	BPF-4	PMO -4	BAM -4	PHB -4
16:30 – 16:45	BPF-5	PMO -5	BAM -5	
16:45 – 17:30	Coffee Break			
17:30 – 18:30	Mesa Redonda - MR			
	MR1		MR-2	
18:30 – 20:00	Sessão de Poster			
<b>20:00</b>	<b>Esquenta do Sinaferm/Sheb</b>			

### **BPF - Biologia na Produção de Fármacos**

#### **Local: Auditório Padre Melo – Bloco D**

Co-Chairman: Dra. Viviane Maimoni Gonçalves (Instituto Butantã)

Dr. Adalberto Pessoa Júnior (Universidade de São Paulo)

**Plenária BPF:** Protein-based vaccines from recombinant *Pichia pastoris*

**Palestrante:** Dra. Ursula Rinas (Helmholtz Centre for Infection Research, Braunschweig, Alemanha)

**BPF KN (Key Note 2-1):** Metabolic engineering of new *Streptomyces* sp. from extreme environments for novel antibiotics and anticancer drugs

**Palestrante:** Barbara Andrews (Universidade do Chile)

**BPF-1 (SO2-1):** Production of sustainable bioactive wound dressings by the incorporation of aloe extract in polysaccharide matrices.

**BPF-2 (SO2-2):** Entrapment of anti-cancer agent indole-3-carbinol on chitosan and chitosan/peg nanoparticles.

**BPF-3 (SO2-3):** Application of kinetic models for in vitro drug release adsorbed onto magnetic nanoparticles.

**BPF-4 (SO2-4):** Insights towards microfluidic synthesis of chitosan/ATP nanoparticles.

**BPF-5 (SO2-5):** Scaffolds poly (lactic acid) added by phycoyanin.

### **PMO – Processos Microbiológicos**

#### **Local: Auditório Padre Arnóbio – Bloco D**

Co-Chairman: Dr. Flávio Luiz Honorato (Universidade Federal da Paraíba)

Dr. Maria Alice Zarur Coelho (Universidade Federal do Rio de Janeiro)

**Plenária PMO:** Bioprocess engineering: current status and future trend

**Palestrante:** Dr. Jian Jiang Zhong (Shanghai Jiao Tong University, China)

**PMO KN (Key Note 5-1):** Partial characterization and production of peptidases by the psychrophilic bacterium *Pseudomonas antarctica* isolated from antarctic soil

**Palestrante:** João Lucas Júlio (Universidade Federal do Rio de Janeiro)

**PMO-1 (SO5-1):** Crude glycerol impurities enhanced fermentative production of chemicals by *Enterobacter cloacae* 9R.

**PMO-2 (SO5-2):** Effect of the culture medium composition on the growth of *Enterobacter aerogenes* ATCC 13048 and the production of 2,3-butanediol from crude glycerol.

**PMO-3 (SO5-3):** Effects of the lipid content in empty fruit bunch on the humic acid production by *Trichoderma reesei*.

**PMO-4 (SO5-4):** Effect of metabolic repression in *Saccharomyces cerevisiae* cat-1 cultivated in binary sugar mixtures.

**PMO-5 (SO5-5):** Optimization of microesclerotia production by *Trichoderma asperellum*.

## **BAM – Biotecnologia Ambiental**

**Local: Auditório A – Bloco G**

Co-Chairman: Dra. Vicelma Luiz Cardoso (Universidade Federal de Uberlândia)

Dr. André Aguiar (Universidade Federal de Itajubá)

**Plenária BAM:** Current and trends in bioprocess engineering applied to the environments

**Palestrante:** Dr. Hugo Moreira Soares (Universidade Federal de Santa Catarina)

**BAM KN (Key Note 9-1):** Optimization of gas production in biodigestors through the introduction of different types of fixed bed of coal

**Palestrante:** Daísa Carolina Alves (Universidade Federal de São João Del Rei)

**BAM-1 (SO9-1):** Effect of hydrogen peroxide in photocatalytic treatment and anaerobic digestion of post-hydrothermal wastewater.

**BAM-2 (SO9-2):** Biotechnologies on petroleum removal in environmental compartments using hybrid bioreactor.

**BAM-3 (SO9-3):** Removal of bisphenol a by laccases from *Pleurotus ostreatus* and *Pleurotus pulmonarius*: evaluation of degrading products and toxicity.

**BAM-4 (SO9-4):** Evaluation of biosurfactant stability submitted to adverse environmental conditions.

**BAM-5 (SO9-5):** Employment of hydrolytic enzymes produced by filamental fungi from sewage treatment residues for fat degradation in anaerobic reactors.

## **PHB – Processo de Hidrólise Enzimática de Biomassa**

**Local: Auditório B – Bloco G**

Co-Chairman: Dra. Eleni Gomes (Universidade Estadual Paulista)

Dr. Jorge Alberto Vieira Costa (Universidade Federal do Rio Grande)

**Plenária PHB:** Effect of non-acidic pretreatments on the enzymatic hydrolysis of lignocellulosic biomass.

**Palestrante:** Dra. Elba Pinto da Silva Bom (Universidade Federal do Rio de Janeiro)

**PHB KN (Key Note 12-1):** Saccharification of sugarcane bagasse by enzymes produced in solid state cultivation by two filamentous fungi

**Palestrante:** Fernanda Casciotori (Universidade Federal de São Carlos)

**PHB-1 (SO12-1):** Enzymatic hydrolysis of the microalga *Chlorella sorokiniana*.

**PHB-2 (SO12-2):** Amylases in protein secretome profile from *Aspergillus* sp with potential to deconstruct integral starch.

**PHB-3 (SO12-3):** In natura and pretreated sugarcane bagasse enzymatic hydrolysis using a trade and an in-house preparation produced by *Aspergillus fumigatus*.

**PHB-4 (SO12-4):** Bioreactor operational policy for the enzymatic hydrolysis of sugarcane straw: fed-batch of substrate and enzymes.

**Mesa Renda – MR1:** Interação Academia-Setor Produtivo no Desenvolvimento de Bioprocessos

**Local:** Auditório Padre Arnóbio – Bloco D

**Mediador:** Dra. Maria Helena Andrade Santana (Universidade Estadual de Campinas)

**Participantes:** Dra. Aline Machado de Castro (CENPES – Petrobras)

Dr. Henrique Ferro (Biovalens – Grupo Vittia)

Dr. Carlos Sanz (Representante ABEQ)

**Palestra:** Overview of Petrobras activities and its cooperation with science and technology institutions in the Bioprocess area

**Palestrante:** Dra. Aline Machado de Castro (CENPES – Petrobras)

**Mesa Renda – MR2:** Financiamento e Formação de Recursos Humanos na área de Bioprocessos: Desafios e Oportunidades

**Local:** Auditório Padre Melo – Bloco D

**Mediador:** Dra. Raquel Giordano (Universidade Federal de São Carlos)

**Participantes:** Dra. Cyntia Sandes Oliveira (CAPES)

Dr. José Ricardo de Santana (CNPq)

**Seção de Poster – 4 de setembro de 2017**

**Horário:** 18:30 às 20:00

**Local:** 2º Piso – Biblioteca Jacinto Uchôa

**Coordenador:** Dra. Alini Tinoco Fricks (Universidade Tiradentes)

Dr. Ernandes Benedito Pereira (Universidade Federal de Alfenas)

**Esquenta do Sinaferm/Sheb 2017**

**Horário:** 20:00 às 21:30

**Local:** Terraço da Biblioteca Jacinto Uchôa

05/09/2017 (Terça-feira)				
8:00 – 12:00	Escola de Bioprocessos			
12:00 – 14:00	Intervalo para Almoço			
14:00 – 15:00	Plenária - BAC	Plenária - PEZ	Plenária - PCS	Plenária - BBB
15:00 – 16:45	Sessão Oral 2			
15:00 – 15:30	BAC-KN	PEZ-KN	PCS-KN	BBB-KN
15:30 – 15:45	BAC -1	PEZ -1	PCS -1	BBB-1
15:45 – 16:00	BAC -2	PEZ -2	PCS -2	BBB -2
16:00 – 16:15	BAC -3	PEZ -3	PCS -3	BBB -3
16:15 – 16:30	BAC -4	PEZ -4	PCS -4	BBB -4
16:30 – 16:45	BAC -5	PEZ -5		BBB -5
16:45 – 18:00	Coffee Break			
18:00 – 19:30	Sessão de Posterres			
21:00	Lual de confraternização (Por Adesão)			

### **BAC – Biotecnologia na Produção de Alimentos, Bebidas e Cosméticos**

**Local: Auditório Padre Melo – Bloco D**

Co-Chairman: Dra. Helen Treichel (Universidade Federal da Fronteira Sul)

Dra. Eliana Setsuco Kamimura (Universidade de São Paulo - Pirassunga)

**Plenária BAC:** Development of fruit based functional foods by enzyme and fermentation processing.

**Palestrante:** Dra. Sueli Rodrigues (Universidade Federal do Ceará)

**BAC KN (Key Note 3-1):** Obtaining oil-free potato chips by different drying methods

**Palestrante:** Isadora Monteiro Andrade Barreto (Universidade Federal de Santa Catarina)

**BAC-1 (SO3-1):** Study of the temperature influence on the probiotic cell biomass production by *Saccharomyces boulardii* in deproteinized whey.

**BAC-2 (SO3-2):** Stability of probiotic guava juices containing *Lactobacillus rhamnosus* ATCC 7469.

**BAC-3 (SO3-3):** Sisal pulp potential evaluation as substrate for the biocompounds production by *Rhodotorula mucilaginosa* yeast.

**BAC-4 (SO3-4):** Calcium carbonate nanostructures incorporated in tara gum films with potential to increase the shelf life of fruit.

**BAC-5 (SO3-5):** Production of craft beer with addition of citrus fruit.

### **PEZ – Processos Enzimáticos**

**Local: Auditório Padre Arnóbio – Bloco D**

Co-Chairman: Dra. Débora de Oliveira (Universidade Federal de Santa Catarina)

Dr. Paulo Waldir Tardioli (Universidade Federal de São Carlos)

**Plenária PEZ:** Enzyme technology for the production of surfactants, coatings and functional food ingredients

**Palestrante:** Dr. Patrick Adlercreutz (Lund University)

**PEZ KN (Key Note 6-1):** Effect of temperature on the synthesis of a wax ester in a solvent system: kinetic and thermodynamic study

**Palestrante:** Natália Boscariol Machado (Universidade Federal de Alfnas)

**PEZ-1 (SO6-1):** Statistical experimental design for the industrial biodiesel effluent biotreatment in Brazil Northeast – Part 1: Evaluation of medium components for lipase production by *Rhizopus oryzae* URM 4692.

**PEZ-2 (SO6-2):** Immobilization of  $\beta$ -galactosidase on porous silica activated with glyoxyl groups.

**PEZ-3 (SO6-3):** Study of the stability and catalytic versatility of the lipase B from *Candida antarctica* immobilized on immobead-350.

**PEZ-4 (SO6-4):** Activity and molecular docking of *Burkholderia cepacia* lipase in phosphonium-based ionic liquids with different anions.

**PEZ-5 (SO6-5):** Continuous enzymatic synthesis of eugenyl isobutyrate in solvent-free systems.

### **PCS – Processos com Células de Organismos Superiores**

**Local: Auditório A – Bloco G**

Co-Chairman: Dra. Ângela Maria Moraes (Universidade Estadual de Campinas)

Dr. Aldo Tonso (Universidade de São Paulo)

**Plenária PCS:** Animal cell-based processes: an essential tool for pharmaceutical biotechnology

**Palestrante:** Dra. Leda dos Reis Castilho (Universidade Federal do Rio de Janeiro)

**PCS KN (Key Note 7-1):** Evaluating spheroid production of RT4 bladder cancer cells for future use in drug testing

**Palestrante:** Eric Katatamaet (Universidade de São Paulo)

**PCS-1 (SO7-1):** Taylor vortex flow bioreactor as an alternative for mesenchymal stromal cell expansion.

**PCS-2 (SO7-2):** Evaluation of pseudoperfusion feeding strategies with basal and concentrated media for the production of a recombinant monoclonal antibody.

**PCS-3 (SO7-3):** Evaluation of cystine supplementation on a recombinant *Drosophila melanogaster* S2 cells culture.

**PCS-4 (SO7-4):** Production of anti-CD25 monoclonal antibody through hybridoma culture in spinner flask.

### **PBB – Biorefinaria: Biomoléculas e Biocombustíveis**

**Local: Auditório B – Bloco G**

Co-Chairman: Dr. Gisella Maria Zanin (Universidade Estadual de Maringá)

Dr. Heizir Ferreira de Castro (Universidade de São Paulo - Lorena)

**Plenária BBB:** Second generation carbohydrates: Composition, morphology and accessibility of cellulose substrates derived from sugarcane bagasse

**Palestrante:** Dr. Luiz Pereira Ramos (Universidade Federal do Paraná)

**BBB KN (Key Note 10-1):** Procedures for third-generation production of biodiesel by solid acid catalysis: *Mucor circinelloides* as a potential feedstock

**Palestrante:** Ana Karine Furtado de Carvalho (Universidade de São Paulo)

**BBB -1 (SO10-1):** Employment of *Saccharomyces cerevisiae* and *Pachysolen tannophilus* in the production of 2G ethanol using biomass of banana pseudostem.

**BBB -2 (SO10-2):** Study of pre-treatment and enzymatic saccharification of microalgal biomass for bioethanol production.

**BBB -3 (SO10-3):** Study of different pretreatments (autohydrolysis, kraft, NaOH) for cellulose enzymatic hydrolysis of eucalyptus sawdust in a biorefinery approach.

**BBB -4 (SO10-4):** Refining biogas by adsorption on activated carbons.

**BBB -5 (SO10-5):** Evaluation of biogas energy potential and method avoided estimation of methane from sewage treatment station.

**Seção de Pôster – 5 de setembro de 2017**

**Horário: 18:00 às 19:30**

**Local: 2º Piso – Biblioteca Jacinto Uchôa**

**Coordenador:** Dra. Rebeca Yndira Cabrera Padilla (Universidade Tiradentes)

Dr. Igor Adriano Oliveira Reis (Instituto Federal de Sergipe)

**Lual de Confraternização**

**Horário: 21:00 às 01:30**

**Local: Oceanário de Aracaju – Projeto Tamar**

**Endereço: Av. Santos Dumont, 1010 - Atalaia, Aracaju-Sergipe**

<b>06/09/2015 (Quarta-feira)</b>				
10:00 – 12:00	Reunião de Grupo de Trabalhos -GT			
	GT-1	GT-2	GT-3	GT-4
12:00 – 14:00	Intervalo para Almoço			
14:00 – 15:00	Plenária - BMS	Plenária - MIC	Plenária -RPB	Plenária - PFL
15:00 – 16:45	Sessão Oral 03			
15:00 – 15:30	BMS-KN	MIC-KN	RPB-KN	PFL-KN
15:30 – 15:45	BMS -1	MIC -1	RPB -1	PFL -1
15:45 – 16:00	BMS -2	MIC -2	RPB -2	PFL -2
16:00 – 16:15	BMS -3	MIC -3	RPB -3	PFL -3
16:15 – 16:30	BMS -4	MIC -4	RPB -4	PFL -4
16:30 – 16:45	BMS -5	MIC -5	RPB -5	PFL -5
16:45 – 18:15	Seção de Pôster com Coffee Break			
18:30 – 19:30	Encerramento			
<b>19:45</b>	<b>Cachacina da Despedida</b>			

**BMS – Biologia Molecular e Biologia de Sistemas Aplicadas à Bioprocessos**

**Local: Auditório Padre Melo – Bloco D**

Co-Chairman: Dr. Andreas Karoly Gombert (Universidade Estadual de Campinas)

Dr. José Gregório Cabrera Gomez (Universidade de São Paulo – São Paulo)

**Plenária BMS:** Engineering lipid production and expanding the substrate range of *Yarrowia lipolytica*

**Palestrante:** Dr. Jean Marc Nicaud (INRA – AgroParis Tech)

**BMS KN (Key Note 1-1):** Metabolic engineering of *Saccharomyces cerevisiae* strains for rhamnolipid production from sucrose

**Palestrante:** Nádia Skorupa Parachin (Universidade Católica de Brasília)

**BMS-1 (SO1-1):** Poly-3-hydroxybutyrate production by *E. coli* mutants presenting cofactor swapping in glucose 6-phosphate dehydrogenase and isocitrate dehydrogenase.

**BMS-2 (SO1-2):** Engineered *Cupriavidus necator* DSM 545 for efficient glycerol utilization.

**BMS-3 (SO1-3):** Analysis of the production of a *Pneumococcal hybrid* molecule with flexible linker using *Escherichia coli* rosetta DE3.

**BMS-4 (SO1-4):** Molecular taxonomy for pathogens identification in meat processing industry.

**BMS-5 (SO1-5):** *Agrobacterium tumefaciens*-mediated transformation of *Trichoderma harzianum* CFAM-422 using an herbicide resistance gene as selection marker.



## **MIC – Modelagem, Instrumentação e Controle de Bioprocessos**

**Local: Auditório Padre Arnóbio – Bloco D**

Co-Chairman: Dr. Fabiano André Narciso Fernandes (Universidade Federal do Ceará)

Dra. Manuela Souza Leite (Universidade Tiradentes)

**Plenária MIC:** Techno-economic analysis from cradle: a different look at bioprocess development

**Palestrante:** Dr. Roberto de Campos Giordano (Universidade Federal de São Carlos)

**MIC KN (Key Note 4-1):** Same data, more info: better R&D with simple carbon balances

**Palestrante:** Marilda Keico Taciro (Universidade de São Paulo)

**MIC-1 (SO4-1):** Monitoring of lipid synthesis in *Scenedesmus* sp.

**MIC-2 (SO4-2):** Development of a neural network model to predict the biomass concentration in a batch-bioreactor for biosurfactant production.

**MIC-3 (SO4-3):** Control of the broth temperature in a glass bioreactor using a collar stainless steel resistance.

**MIC-4 (SO4-4):** Modeling of alcoholic fermentation of syrup from osmotic dehydration of jaboticaba peel.

**MIC-5 (SO4-5):** Multilinear interpolator-based surrogated models for enzymatic hydrolysis of sugar cane bagasse reactors operating in batch and fed-batch mode.

## **RPB – Recuperação e Purificação de Bioprodutos**

**Local: Auditório A – Bloco G**

Co-Chairman: Dr. Jorge Fernando Brandão Pereira (Universidade Estadual de São Paulo - Araraquara)

Dr. Everaldo Silvino dos Santos (Universidade Federal do Rio Grande do Norte)

**Plenária RPB:** The rational purification of proteins: proteomics, expert systems, modelling, process conditions and optimization

**Palestrante:** Dr. Juan A. Asenjo (Universidade do Chile)

**RPB KN (Key Note 8-1):** Effective separation of L-asparaginase using cholinium-based aqueous biphasic systems

**Palestrante:** Agnes Magri (Universidade Estadual de Campinas)

**RPB-1 (SO8-1):** Cryogel as adsorbent for the purification of immunoglobulin G from human serum.

**RPB-2 (SO8-2):** Partition of antioxidants in polymer based aqueous biphasic systems with ionic liquids as adjuvants.

**RPB-3 (SO8-3):** Cost and mass relations for purification of a protein produced by *Escherichia coli*.

**RPB-4 (SO8-4):** Concentration of lipases from *Aspergillus niger* aiming at application in the treatment of residual oils.

**RPB-5 (SO8-5):** Aqueous two-phase system based on tetrahydrofuran and glycerol as a platform to concentrate atrazine and improve its detection.

## **PFL – Pré-tratamento e Fracionamento de Lignocelulósicos**

**Local: Auditório B – Bloco G**

Co-Chairman: Dr. Eloízio Júlio Ribeiro (Universidade Federal de Uberlândia)

Dra. Gorete Ribeiro de Macedo (Universidade Federal do Rio Grande do Norte)

**Plenária PFL:** Microbial cells as biofactories: a new generation of sustainable processes and products

**Palestrante:** Dr. Silvio Silvério da Silva (Universidade de São Paulo - Lorena)

**PFL KN (Key Note 11-1):** Delignification of sugarcane straw aiming the production of 2<sup>nd</sup> generation ethanol using cold plasma technology

**Palestrante:** Arthur Knorr Sander (Universidade do Sul de Santa Catarina)

**PFL-1 (SO11-1):** Ethanol from water hyacinth: a preliminary study of chemical pretreatment and enzymatic hydrolysis.

**PFL-2 (SO11-2):** Evaluation of the hydrothermal treatment over eucalyptus by-product for future manufacture of xylooligosaccharides.

**PFL-3 (SO11-3):** Characterization of lignin obtained from delignification process of sugarcane bagasse via hydrogen peroxide by Raman Spectroscopy.

**PFL-4 (SO11-4):** Açai (*Euterpe oleracea*) seed biomass processing by diluted acid and enzymatic hydrolysis for sugar production.

**PFL-5 (SO11-5):** Characterization of residue from pamonha for production bioethanol.

## **Seção de Pôster – 6 de setembro de 2017**

**Horário: 16:45 às 18:15**

**Local: 2º Piso – Biblioteca Jacinto Uchôa**

**Coordenador:** Dr. Luiz Fernando Romanholo Ferreira (Universidade Tiradentes)

Dr. Roberto Rodrigues de Souza (Universidade Federal de Sergipe)

## **Seção de Encerramento**

**Horário: 18:30 às 19:30**

**Local: Auditórios Padre Arnóbio e Padre Melo – Bloco D**

## **Cachacinha da Despedida**

**Horário: 20:00 às 21:30**

**Local: Terraço da Biblioteca Jacinto Uchoa**

**Endereço: Av. Santos Dumont, 1010 - Atalaia, Aracaju-Sergipe**

Seção de Poster – 4 de setembro de 2017

Horário: 18:30 às 20:00

Local: 2º Piso – Biblioteca Jouberto Uchôa

Coordenador: Dra. Alini Tinoco Fricks (Universidade Tiradentes)

Dr. Ernandes Benedito Pereira (Universidade Federal de Alfenas)

### 3- Biotecnologia na Produção de Alimentos, Bebidas e Cosméticos

Nº	Nº Galoá	Título
BAC-1P	55477	Effect of the ionic force and precipitation on the pre-purification of peroxidases from soybean meal
BAC-2P	55355	Mixed fermented beverage from orange and milk fermented by kefir
BAC-3P	55494	Production and analysis of sweet potato distilled beverages
BAC-4P	55495	Extraction of seed oil from passion fruit ( <i>Passiflora cincinnata</i> ) and evaluation of antioxidant activity
BAC-5P	55496	Pink pepper ( <i>Schinus terebinthifolius raddi</i> ) processing residue: physical-chemical characterization and phenolic compound content
BAC-6P	55508	Lipase-catalyzed synthesis of benzyl propionate
BAC-7P	55533	Evaluation of collagen quality from chicken feet using spectroscopy techniques
BAC-8P	55700	Microalgal protein hydrolysis in different bioreactor type
BAC-9P	55715	Solubility profile of chicken viscera protein hydrolysates: an approach based on the interaction effects between different proteases
BAC-10P	55872	Screening and selection of monoterpenes resistant-microorganisms from Brazilian cerrado fruits
BAC-11P	55926	Exopolisaccharyde production by water kefir fermentation of sugar cane and yacon juice
BAC-12P	56040	Optimization of extraction parameters of phenolic compounds from pequi pulp ( <i>Caryocar brasiliense camb.</i> )
BAC-13P	56046	Antioxidant activities of lentil extracts ( <i>Lens culinaris</i> ) obtained from fresh and germinated grains
BAC-14P	56069	Screening and selection of polysaccharide-producer microorganisms from brazilian cerrado fruits
BAC-15P	56089	Growth control of botrytis cinerea fungus in strawberries using chitosan
BAC-16P	56130	Survival of lactobacillus rhamnosus atcc 7469 in beverages of passion fruit from caatinga containing pectin

Nº	Nº Galoá	Título
BAC-18P	56153	Degradation kinetics of anthocyanins and extract color of <i>Eugenia involucrata</i> in the presence and absence of preservative agents at 90 °C
BAC-19P	56154	Thermodynamics of the degradation process of antocyanins in <i>Eugenia involucrata</i> at the presence and absence of preservative agents at 90 °C
BAC-20P	56256	Survival of bacteria and yeasts in the kefir of passion fruit from caatinga under simulated gastrointestinal conditions
BAC-21P	56269	Isolation and screening of endophytic fungi for natural aroma production
BAC-22P	56290	Optimization of the probiotic bacteria growth in fermented soybean beverage using response surface methodology
BAC-23P	56299	Behavior of antioxidant enzymatic system of sonicated cashew apple bagasse
BAC-24P	56303	Maximization of the process condition for production of carotenoids by yeast <i>R. Glutinis</i>
BAC-25P	56310	Selection of yeasts from the cerrado biome for the production of carotenoids
BAC-26P	56318	Evaluation of the action of natural antimicrobial natamycin on <i>Byssoschlamys nivea</i>
BAC-27P	56456	Comparative evaluation of antioxidant activity in cashew wines produced by commercial strains of <i>Saccharomyces cerevisiae</i> , under different conditions of fermentation
BAC-28P	56515	Recovery of phenolic compounds by solid-state fermentation from grape pomace and wheat bran
BAC-29P	56516	Optimization of verbenol production through biotransformation of $\alpha$ -pinene
BAC-30P	56566	Production of common orange fermented beverage: kinetic study and sensory analysis
BAC-31P	56578	Effect of protein content on oil absorption capacity of spirulina platensis protein concentrate
BAC-32P	56699	Microencapsulation and release of clove essential oil from maltodextrin/xanthan gum microcapsule
BAC-33P	57334	Kinetics of alcoholic fermentation of saponilla juice
BAC-34P	57355	Preparation of a fermentative alcoholic beverage formulated with ginger ( <i>Zingiber officinalis</i> ) and beet ( <i>Beta vulgaris</i> L.)
BAC-35P	58258	Determination of total phenolic and flavonoid content of green tea ( <i>Camellia sinensis</i> ) of different brands

Nº	No Galoá	Título
BAC-36P	58260	Evaluation of extration conditions of flavonoids from <i>Hibiscus sabdariffa</i>
BAC-37P	58482	Evaluation of different strains of saccharomyces for mead production
BAC-38P	58530	Biosurfactant production from <i>Candida bombicola</i> in bioreactor and evaluation of its toxicity
BAC-39P	58815	Utilization of buttermilk in the production of a milk drink fermented by kefir grains
BAC-40P	58840	Application of supermacroporous cryogel in the adsorption of proteins from an ora-pro-nóbis ( <i>Pereskia aculeata</i> ) extract
BAC-41P	58843	Incorporation of phenolic compounds in PHB nanofibers with potential antibacterial activity
BAC-42P	58855	Influence of pH on alcoholic fermentation of cajarana
BAC-43P	58857	The challenge of milk allergy: a new approach
BAC-44P	58863	Sensory analysis of milky drink low-lactose fermented by kefir grains and flavored with mangaba
BAC-45P	58864	Banana brandy production: employment of pectinolytic and amylolytic enzymes
BAC-46P	58882	Synerystic effect of oral probiotic supplementation and vaccination on igg specific in girolando breed cows;
BAC-47P	58884	Influence of oxygen on the production of hyaluronic acid by <i>Streptococcus zooepidemicus</i> ATCC 39920
BAC-48P	58889	Cell biomass production by solid state fermentation of wheat mill residue
BAC-49P	58893	pH effect on the probiotic cellular biomass production in whey permeate
BAC-50P	58909	Biosynthesis of pigments from <i>Spirulina</i> LEB-18 biomass on pilot scale
BAC-51P	58921	Development of analytical method, by spectroscopy in the midinfrared, and multivariate calibration for ethanol quantification in the fermented mango pulp ( <i>Mangifera indica</i> L.) Variety bacuri.
BAC-52P	58940	Functional properties of chia and <i>Psyllium mucilage</i>
BAC-53P	58992	Evaluation of glandular <i>Trichomes integrity</i> from fresh leaves of <i>Mentha arvensis</i> after an enzymatic pre-treatment for essential oil extraction
BAC-54P	58999	Development and characterization of biodegradable films obtained from bocaiuva flour ( <i>Acrocomia aculeata</i> )

Nº	Nº Galoá	Título
BAC-55P	59002	Development of biodegradable films of protein extracted from Nile tilapia ( <i>Oreochromis niloticus</i> ) carcasses and evaluation of the water vapor permeability
BAC-56P	59007	Chitosan nanostructures incorporated in chitosan acetate and citrate films: production and characterization
BAC-57P	59027	Electrochemical stabilization of immobilized lactase in a matrix of modified carbon paste with carbon nanotube
BAC-58P	56732	Antimicrobial activity and physical characterization of alginate-ZnO nanoparticles composites applicable to food packing
BAC-59P	58928	Assessment of the conditions over the <i>Kluyveromyces marxianus</i> cellular biomass production in dairy residue
BAC-60P	56422	Influence of spirulina biomass on the color parameters of extrudate food
BAC-61P	58699	Biological effects due to the action of magnetic fields of 30 MT in the metabolism of <i>Spirulina microalgae</i>
BAC-62P	58928	Assessment of the conditions over the <i>Kluyveromyces marxianus</i> cellular biomass production in dairy residue

#### 4- Modelagem Instrumentação e Controle de Bioprocessos

Nº	Nº Galoá	Título
MIC-1P	58994	Control of the broth temperature in a glass bioreactor using a collar stainless steel resistance
MIC-2P	55356	Mathematical semi-mechanistic modeling of the enzymatic hydrolysis of sugarcane bagasse and straw
MIC-3P	55504	Evaluation of effectiveness factor of immobilized enzymes using an approach based on artificial intelligence tools
MIC-4P	55723	Development of a microaeration control: maximization of ethanol production
MIC-5P	55937	Modeling the delay on the batch penicillin production
MIC-6P	56594	<i>Spathaspora passalidarum</i> NRRLY-27907 fermentation performance in synthetic medium and detoxified hemicellulosic sugarcane hydrolysate
MIC-7P	56642	Numerical evaluation of the fluid dynamics in a bench scale bioreactor used for microalgae production
MIC-8P	58861	Evaluation of extractive batch ethanol fermentation at high temperature with CO <sub>2</sub> stripping

Nº	Nº Galoá	Título
MIC-9P	58890	Application of artificial intelligence to adsorption process in food
MIC-10P	58903	Kinetic study of cell death in batch ethanol fermentation by <i>Saccharomyces cerevisiae</i>
MIC-11P	58910	Luminosity as function of optical density in microalgae culture
MIC-12P	58952	Modeling of alcoholic fermentation of syrup from osmotic dehydration of jaboticaba peel
MIC-13P	58975	Development of a neural network model to predict the biomass concentration in a batch-bioreactor for biosurfactant production
MIC-14P	58987	Use of portable glucometer for quick bioprocess monitoring
MIC-15P	58991	Use of statistical design of experiments to evaluate the removal of cholesterol from milk for adsorption in column
MIC-16P	59016	Modeling and application of z-transform in the production of biopolymers from alternative substrates
MIC-17P	59028	Multilinear interpolator-based surrogated models for enzymatic hydrolysis of sugar cane bagasse reactors operating in batch and fed-batch mode
MIC-18P	59037	Acetic acid formation in <i>Escherichia coli</i> cultivation using the oxygen uptake rate as response
MIC-19P	56642	Numerical evaluation of the fluid dynamics in a bench scale bioreactor used for microalgae production

## 6- Processos Enzimáticos (Parte I)

Nº	Nº Galoá	Título
PEZ-1P	59041	Aqueous two phase systems used to purify fructosyltransferase from <i>Aspergillus</i> sp. SIS 14
PEZ-2P	55994	Cellulolytic complex produced by strains of <i>Trichoderma asperellum</i> and <i>Fusarium</i> sp.
PEZ-3P	58979	Effects of enzymatic processing on cellulose for production of cellulose nanofibers by ultra-grinder
PEZ-4P	56261	Determination of total phenols in northeastern alcoholic beverages with biosensors of horseradish peroxidase

Nº	Nº Galoá	Título
PEZ-5P	56574	Evaluation of nitrogen sources in the production of lipolytic enzymes by <i>Aspergillus</i> MB 2.7 in submerged fermentation
PEZ-6P	59042	Bioprospection of enzymes produced by <i>Aspergillus tamaritii</i> URM 4634 using solid-state fermentation
PEZ-7P	56361	Total phenols determination in tropical juices through a horseradish peroxidase biosensor
PEZ-8P	60473	Production and characterization of polygalacturonase by <i>Aspergillus japonicus</i> URM5620 in submerged fermentation using factorial design
PEZ-9P	55520	Enzymatic biotransformation effects in the phenolic profile of citrus juice byproducts
PEZ-10P	56065	Thermal stability of <i>Kluyveromyces marxianus</i> $\beta$ -galactosidase
PEZ-11P	56106	Kinetics of protease production study in solid state fermentation using babassu by products
PEZ-12P	56144	Use of orange peel and woodchip for cellulase production using solid-state fermentation by <i>Aspergillus niger</i>
PEZ-13P	56575	Antimicrobial and surfactant activities of jua ( <i>Ziziphus joazeiro</i> ) enzymatically modified saponins
PEZ-14P	58575	Use of additives in the transesterification of crude coconut oil using lipase of <i>Burkholderia cepacia</i> immobilization onto biochar
PEZ-15P	58860	The systematic investigation of L-asparaginase produced by filamentous fungi
PEZ-16P	58960	A simple approach for hydrolysis of heterogeneous substrates using lipase
PEZ-17P	56167	Purification of cellulases from of filamentous fungi <i>Melanoporia</i> sp.
PEZ-18P	56278	Identification of microorganisms isolated from the soil of Serra Talhada/PE-Brazil aimed at collagenolytic enzyme production
PEZ-19P	56464	Evaluation of endoglucanase activity at pH 3.6 in different substrate proportions
PEZ-20P	56746	Synthesis of ethyl esters from macauba pulp oil by synergism between lipases
PEZ-21P	58597	Peroxidase immobilization on hybrid organic-inorganic support by covalent binding
PEZ-22P	58705	Optimization of enzymatic hydrolysis process using starch rice as raw material



Nº	Nº Galoá	Título
PEZ-23P	58881	Characterization of amylases produced by <i>Penicillium</i> sp. M1.7.2
PEZ-24P	59030	<i>Aspergillus niger</i> as an enzyme producer from the yellow passion fruit peel
PEZ-25P	55397	Production of cetyl decanoate by esterification reaction catalyzed by immobilized lipase on hydrophobic support
PEZ-26P	55488	Multipoint covalent immobilization of dextransucrase on an epoxy activated agarose – oligosaccharides syntheses
PEZ-27P	55525	Influence of pH and temperature on the enzymatic activity of the enzyme fructosyltransferase from <i>Aspergillus oryzae</i> IPT-301
PEZ-28P	55903	Production of fatty acids by lipase mediated oil hydrolysis of <i>Moringa oleifera</i>
PEZ-29P	56023	Sunflower enzymatic reaction: MAG and DAG formation
PEZ-30P	56623	Separation and drying of slurry from sweet potato fermentation
PEZ-31P	56634	Selection and evaluation of filamentous fungi producers of tannase using agroindustrial waste
PEZ-32P	57437	Evaluation of stability to the pH of $\beta$ -galactosidase of <i>Kluyveromyces marxianus</i>
PEZ-33P	58532	Thermodynamic studies of <i>Burkholderia cepacia</i> lipase immobilized on silica aerogel modified with protic ionic liquid
PEZ-34P	58897	Evaluation of the prebiotic potential of xylooligosaccharides produced by enzymatic hydrolysis
PEZ-35P	55371	Microbial fructosyltransferase: evaluation of pH and temperature effects on transfructosylation and hydrolytic activities
PEZ-36P	55470	Removal of oil and fats and phenol in agroindustrial effluent using enzyme extract
PEZ-37P	55735	Effect of imidazolium chloride-based ionic liquids on lipase activity
PEZ-38P	56137	Alpha-amylase production using coconut babaçu residues
PEZ-39P	56685	Lecitase® ultra lipolytic activity study under different pH and temperature conditions
PEZ-40P	56753	Influence of scale up on endoglucanase production in solid cultivation in horizontal drum bioreactor
PEZ-41P	58977	Biochemical characterization of xylanase produced by <i>Gongronella butleri</i>

Nº	Nº Galoá	Título
PEZ-42P	55372	Extracellular fructosyltransferase: effect of sucrose concentration on transfructosylation and hydrolytic activities and evaluation of enzymatic kinetics
PEZ-43P	55466	Production of fungal lipase utilizing by-products of corn processing
PEZ-44P	55544	Effect of enzymatic extraction on the phenolic content in the preparation of araçá biofilm
PEZ-45P	56558	Screening of amylase activity in endophytic fungi of medicinal plant <i>Moringa oleifera</i>
PEZ-46P	56653	Lactose and sorbitol as adjunct for lipase production by <i>Candida viswanahii</i> using olive oil as inducer
PEZ-47P	58480	Isotherm adsorption studies in the immobilization of lipase from <i>Burkholderia cepacia</i> on chemically modified silica aerogel particles
PEZ-48P	58596	Peroxidase immobilization on modified Amberlite IRA 67 support
PEZ-49P	58926	Use of linear equations for determination of apparent kinetic parameters in cellulolytic medium with <i>Trichoderma virens</i>
PEZ-50P	58963	Enzyme adsorption and recycling during saccharification of pretreated cashew apple fiber
PEZ-51P	59011	Influence of choline-based ionic liquids on commercial protease activity
PEZ-52P	55383	Mechanism of adsorption of lipase from <i>Thermomyces lanuginosus</i> on a mesoporous and hydrophobic support
PEZ-53P	55499	Kinetics of methane production during biodegradation of the effluent.
PEZ-54P	55511	Fatty acid preference of mycelium-bound lipase from a strain of <i>Penicillium italicum</i>
PEZ-55P	55515	Factorial experimental design for the application of the Araldite® resin as immobilizing agent of the peroxidase enzyme extracted from the carioca bean
PEZ-56P	55558	Simultaneous influence of aeration and agitation on the production of $\beta$ -galactosidase by <i>Kluyveromyces marxianus</i>
PEZ-57P	55938	Magnetized poly (styrene-co-divinylbenzene) particles synthesis for use as immobilization matrix of lipase
PEZ-58P	55940	Biochemical, kinetic and thermal properties of <i>Burkholderia cepacia</i> lipase immobilized on magnetized poly (styrene-co-divinylbenzene)
PEZ-59P	55958	Sensorial assessments of interesterified products obtained from binary blend (milkfat and canola oil) by chemical and biochemical routes

Nº	Nº Galoá	Título
PEZ-60P	56118	Cellulase production by filamentous fungi isolated from Agulhas Negras plateau – RJ
PEZ-61P	56127	Soybean germinated grains as a source of hydrolases
PEZ-62P	56160	Immobilization of <i>thermomyces lanuginosus</i> lipase on hydrophobic magnetic nanoparticles
PEZ-63P	56216	Effect of airflow distribution in a packed bed biorreactor in a solid state fermentation process
PEZ-64P	56248	Immobilization of lipase from <i>Candida rugosa</i> via physical adsorption – screening of supports and effect of pH of immobilization on the catalytic properties of the biocatalysts
PEZ-65P	56253	Protease in organic and ionic liquid: thermodynamic and kinetic stability
PEZ-66P	56412	Alcalase immobilization for tilapia skin gelatin hydrolysis
PEZ-67P	56497	Evaluation of the in vitro antioxidant activity of protein hydrolysates from common carp ( <i>Cyprinus carpio</i> ) by-products
PEZ-68P	56499	Study of the incorporation degree of capric acid in cotton seed oil by means of enzymatic acidolysis employing fluidized bed reactor
PEZ-69P	56523	Evaluation of the use of sugarcane bagasse, corn cob and corn husks as sources of carbon for the production of holocellulolytic hydrolases by <i>Aspergillus tubingensis</i> AN1257
PEZ-70P	56554	Evaluation of the lipase produced by <i>Mycosphaerella coacervata</i> on bioremediation of contaminated soil with soybean oil
PEZ-71P	56687	Effect of soybean proteins on the enzymatic hydrolysis of different pretreated sugarcane bagasse
PEZ-72P	56707	Immobilization of <i>Thermomyces lanuginosus</i> (TLL) on iron oxide magnetic nanoparticles functionalized with l-histidine
PEZ-73P	57421	Production of hybrid nanoflowers with different lipase enzymes
PEZ-74P	58319	Effects of storage and reuse on the stability of enzyme complex present in <i>Zymomonas mobilis</i> immobilized cells
PEZ-75P	58528	Immobilization of <i>Burkholderia cepacia</i> lipase onto silica modified with octyl groups
PEZ-76P	58533	Physico-chemical characterization and application in the production of flavors esters of <i>Burkholderia cepacia</i> lipase immobilized onto modified silica
PEZ-77P	58691	Strategy for microbial lipases immobilization by diversified methodologies

Nº	Nº Galoá	Título
PEZ-78P	58713	Octyl-nanoparticles: a new support to immobilize and stabilize lipases from <i>Pseudomonas fluorescens</i>
PEZ-79P	58756	Enzimatic interesteificacion of ternary blends of milkfat, canola and brazil nut oils

#### 10- Biorefinaria: Biomoléculas e Biocombustíveis

Nº	Nº Galoá	Título
BBB-1P	55361	Ethanolysis of microbial oil by acid catalysis route: a comparison between homogeneous and heterogeneous catalysts
BBB-2P	55395	Procedures for third-generation production of biodiesel by solid acid catalysis: <i>Mucor circinelloides</i> as a potential feedstock
BBB-3P	55468	Influence of Carbon/Nitrogen ratio on the lipids production by yeast <i>Rhodotorula glutinis</i> using glycerol as substrate
BBB-4P	55502	Employment of <i>Saccharomyces cerevisiae</i> and <i>Pachysolen tannophilus</i> in the production of 2G ethanol using biomass of banana pseudostem
BBB-5P	55510	Modeling and techno-economic analysis of fuel bioethanol production from switchgrass: effect of hydrolysis and fermentation conditions on ethanol selling price
BBB-56P	55512	Isopropanol - butanol - ethanol (IBE) production from sugarcane and sweet sorghum juices: nutrient addition evaluation
BBB-7P	55542	Selection of microorganisms for ethanol production in the presence of acetic acid
BBB-8P	55545	Synthesis of fame from waste cooking oils through commercial soluble lipase Eversa® transform catalysis
BBB-9P	55886	Evaluation of the fermentation process of cane bagasse for the obtainment of lignocellulose ethanol
BBB-10P	56000	Ethanol production using <i>Saccharomyces cerevisiae</i> immobilized in calcium alginate beads coated with chitosan
BBB-11P	56058	Study of biogas production in real scale from swine manure
BBB-12P	56070	Comparison of alcoholic fermentation by <i>Saccharomyces cerevisiae</i> flocculents in continuous systems and fed batch processes
BBB-13P	56071	Study of pre-treatment and enzymatic saccharification of microalgal biomass for bioethanol production

Nº	Nº Galoá	Título
BBB-14P	56094	Purification, immobilization and use of amylases from maize malt in alcohol production
BBB-15P	56164	Refining biogas by adsorption on activated carbons
BBB-16P	56179	Evaluation of the robustness and ethanol production of <i>S. cerevisiae</i> industrial strains in different sugarcane hydrolysates
BBB-17P	56187	Enzymatic hydrolysis of eucalyptus urograndis wood chips submitted to hydrothermal pretreatment and alkaline delignification
BBB-18P	56267	Fermentation of xylose and glucose mixture by <i>Spathaspora passalidarum</i> NRRL Y-27907 in different temperatures
BBB-19P	56305	Fame production from soybean oil through commercial soluble lipase Eversa® transform catalysis
BBB-20P	56374	Production of cellulolytic and hemicellulolytic enzymes by <i>Aspergillus niger</i> 3T5B8 mutants and parental strains in solid-state fermentation
BBB-21P	56389	Bioethanol production from mixed sugars using co-culture fermentation
BBB-22P	56426	Fed-batch liquefaction of sugarcane for endoglucanases production
BBB-23P	56451	Synthesis of bio-lubricant by transesterification of palm kernel oil with butanol: batch and continuous processes
BBB-24P	56481	Improvements on second generation ethanol by evolutionary engineering
BBB-25P	56487	Influence of fluid height and initial concentration of inoculum on carbohydrate acoulation by microalga <i>Spirulina platensis</i>
BBB-26P	56498	Strategy of <i>Spirulina platensis</i> cultivations for high carbohydrate content in raceway pond
BBB-27P	56527	Thermocatalytic conversion of sunflower oil on beta and ferrierite catalysts
BBB-28P	56540	Biosurfactant production by solid state fermentation: study of pivotal process variables
BBB-29P	56600	Production of cellulose nanofibers by enzymatic hydrolysis in a stirred tank reactor
BBB-30P	56652	Kinetic study of the combination of <i>Saccharomyces cerevisiae</i> CAT-1, Pedra-2, ATCC7754 and monastrell in ethanol production
BBB-31P	56664	Ethanol production from the stem juice of different sweet sorghum cultivars
BBB-32P	58006	Influence of calcium carbonate in the production of propionic acid in milk acid serum by pure culture of <i>Propionibacterium freudenreichii</i> ATCC 6207

Nº	Nº Galoá	Título
BBB-33P	58709	Evaluation of chlorella minutissima growth in presence of inorganic and organic carbon source
BBB-34P	58739	Production of the recombinant expansin BSEXLX1 in <i>K. pastoris</i> using glucose as carbon source
BBB-35P	58807	Production of volatile organic compounds with industrial application from <i>Phormidium autumnale</i>
BBB-36P	58813	Use of WLN medium as a screening tool to electrophoretic karyotyping for industrial bioethanol yeast strains
BBB-37P	58814	The feasibility of biodiesel production by microalgae using tannery wastewater
BBB-38P	58859	Experimental design to reduce media components and increase clostridium carboxidivorans cell concentration
BBB-39P	58998	Evaluation of biogas energy potential and method avoided estimation of methane from sewage treatment station
BBB-40P	59009	Carotenoids extraction from microalgae
BBB-41P	55405	Enzymatic biodiesel production from waste cooking oil
BBB-42P	59038	Opportunities for integration of high-value nonocellulose and food additives as co-products into a biofuel-driven biorefinery
BBB-43P	59038	Opportunities for integration of high-value nonocellulose and food additives as co-products into a biofuel-driven biorefinery
BBB-44P	58800	Extraction of pigments from <i>Chlorella sorokiniana</i> with ethanol
BBB-45P	56572	Culture of spirulina as raw material to bioethanol production using semicontinuous process with medium recycling
BBB-46P	56492	The effect of p-coumaric acid on the physiology of industrial yeast strains
BBB-47P	56408	Sustainability analyses of the production of bioenergy and biochemicals: the importance of an early assessment
BBB-48P	56372	Evaluation of corn sugar juice fermentation under brazilian sugarcane industry conditions
BBB-49P	56054	Building block itaconic acid from left -over biomass
BBB-50P	55486	Bioethanol production by <i>saccharomyces cerevisiae</i> and <i>pachysolen tannophilus</i> in series tank fermentation process

Seção de Pôster – 5 de setembro de 2017

Horário: 18:00 às 19:30

Local: 2º Piso – Biblioteca Jacinto Uchôa

Coordenador: Dra. Rebeca Yndira Cabrera Padilla (Universidade Tiradentes)

Dr. Igor Adriano Oliveira Reis (Instituto Federal de Sergipe)

## 1- Biologia Molecular e Biologia de Sistemas Aplicadas a Bioprocessos

Nº	Nº Galoá	Título
BMS-1P	56120	Heterologous expression of <i>Acremonium strictum</i> in <i>Saccharomyces cerevisiae</i> aiming to second generation bioethanol production
BMS-2P	56201	Evaluation of the culture medium supplementation in the biosurfactant production, considering the decrease on superficial tension
BMS-3P	56535	Evaluation of plasmid stability in <i>E. coli</i> cultivation in high cell density
BMS-4P	56582	First-generation fermentation metabolomics by GC-MS: establishment of analysis methodology
BMS-5P	58355	Strategy for the construction of <i>Saccharomyces cerevisiae</i> strains able to assimilate xylose
BMS-6P	58823	Comparison of lactic acid secretion in <i>Pichia pastoris</i> strains producing different ldhs
BMS-7P	58924	Polylactic acid production in recombinant <i>Pichia pastoris</i> strains
BMS-8P	59035	Metabolic flux analysis in <i>Escherichia coli</i> BL21DE3 growth under balanced conditions
BMS-8P	58869	Proposal of a computational platform for modeling biological systems based on metabolic networks
BMS-10P	60345	Metabolic engineering of new <i>Streptomyces</i> sp. from extreme environments for novel antibiotics and anticancer drugs
BMS-11P	58762	Development of a computational tool for 13C- metabolic flux analysis
BMS-12P	56398	Production of recombinant $\beta$ -galactosidase in bioreactors by fed batch culture using do-stat and linear control

## 2- Biotecnologia na Produção de Fármacos

Nº	Nº Galoá	Título
BPF-1P	55490	Production of the recombinant human granulocyte colony-stimulating factor in <i>Escherichia coli</i> using a new vector
BPF-2P	55728	Production of recombinant fragment of pneumococcal surface protein a by <i>Escherichia coli</i> under different induction conditions



Nº	Nº Galoá	Título
BPF-3P	56197	Study of the organic solvent for liquid-liquid extraction of <i>Tacrolimus</i> in fermented broth from <i>Streptomyces tsukubaensis</i>
BPF-4P	56198	Analytical method for quantifying tacrolimus in fermentation broth of <i>Streptomyces tsukubaensis</i>
BPF-5P	56213	Rigid molecular linker increases pneumococcal hybrid protein stability and antibody production in mice
BPF-6P	56371	Influence of agitation on the periplasmic L-asparaginase production by <i>Rhodotorula glutinis</i> and <i>Issatchenkia orientalis</i>
BPF-7P	56378	Evaluation of angiotensin I-converting enzyme (ACE) inhibitory activity from extracts of <i>Chlorella vulgaris</i>
BPF-8P	56553	Yield of the aqueous extract of <i>Artemisia annua</i> analyzed in different parameters
BPF-9P	58624	Production of L-asparaginase: a bibliometric study
BPF-10P	58710	Novel use for clarisolve® depth filters substituting classical centrifugation in protein purification by selective precipitation
BPF-11P	58751	Nanofibers containing bioactive compound from microalgae
BPF-12P	58755	Scaffolds poly (lactic acid) added by <i>Phycocyanin</i>
BPF-13P	58789	Synthesis and characterization of chitosan and chitosan/PEG nanoparticles to entrapment of anti-cancer pro-drug indole-3-acetic acid
BPF-14P	58791	Entrapment of anti-cancer agent indole-3-carbinol on chitosan and chitosan/peg nanoparticles
BPF-15P	58819	Esterification of (R,S) ketoprofen by enzymatic route
BPF-16P	58913	Effect of different prebiotics carbohydrates on growth of five probiotic lactobacilli strains
BPF-17P	58950	Evaluation of L-asparaginase production by microorganisms
BPF-18P	58954	Antimicrobial action of chitosan oligomers
BPF-19P	58958	Hepatitis b vaccine recombinant <i>Pichia angusta</i> : optimization of the seed train
BPF-20P	58968	Analysis of the biotransformation of (-) - cubebin in (-) - hinokinin by <i>Aspergillus niger</i>
BPF-21P	58984	Application of kinetic models for in vitro drug release adsorbed onto magnetic nanoparticles
BPF-22P	58973	Production e characterization of mucoadhesive membranes of collagen and chitosan incorporating red propolis extract (Alagoas/Brazil) with antimicrobial activity.
BPF-23P	58856	Heterologous Production of Hyaluronic Acid in <i>Kluyveromyces lactis</i>



#### 4- Modelagem Instrumentação e Controle de Bioprocessos

Nº	Nº Galoá	Título
MIC-20P	57658	Kinetic modeling of monomeric sugars formation during the enzymatic hydrolysis of the residue generated in the carrageenan production from algal biomass
MIC-21P	56488	Infrared spectroscopy for the monitoring of activity of Horseradish peroxidase
MIC-22P	56369	A comparison between distinct mechanisms to represent sulfamethazine degradation in an horizontal-flow anaerobic immobilized biomass reactor
MIC-23P	56209	Monitoring the phenolics compounds of the 2g ethanol process
MIC-24P	55995	Control and automation strategies applied to fermentation processes: advances and trends
MIC-25P	55527	Linear models applied to the purification of protein produced by <i>Escherichia coli</i>

#### 5- Processos Microbiológicos – Parte I

Nº	Nº Galoá	Título
PMO-1P	55381	Influence of recycling in phosphorus biossolubilization from rock phosphate concentrate in air-lift bioreactor
PMO-2P	55465	Production of fungal cellulases by submerged fermentation
PMO-3P	55507	Influência de condições de sistema no crescimento de <i>Acidithiobacillus thiooxidans</i> visando sua aplicação em biossensor potenciométrico
PMO-4P	55526	Metabolic kinetics of <i>Saccharomyces cerevisiae</i> under white and ultraviolet light for bioethanol production
PMO-5P	55530	Use of air-lift acid medium to provide soluble phosphorus by <i>Aspergillus niger</i> and <i>Trichoderma harzianum</i>
PMO-6P	55539	Fungal isolates with potential in the control of weeds
PMO-7P	55557	Protein production in <i>Spirulina platensis</i> biomass using supplemented culture media
PMO-8P	55865	Assessment of the mixed culture potential in the process of anaerobic treatment of effluents contaminated with biodiesel
PMO-9P	55875	Carbon and nitrogen removal from vinasse by filamentous <i>Cyanobacterium geitlerinema</i> sp.

Nº	Nº Galoá	Título
PMO-10P	55876	Bioactive isoflavones produced by lactic acid bacteria in fermented soymilk
PMO-11P	55880	Citric acid production by microbial consortium from sugarcane bagasse: effect of ethanol and vinasse in moisturizing solution
PMO-12P	55890	Identifying wild yeast strains robust to sugarcane lignocellulosic hydrolysate
PMO-13P	55891	Fermentation of sugarcane bagasse hydrolysate using wild yeast strains isolated from Brazilian mills
PMO-14P	55977	Evaluation of culture media formulation for enhancing expression of the 503 antigen of <i>Leishmania i. chagasi</i> using <i>Escherichia coli</i> M15
PMO-15P	55998	Study of ferúlic acid degradation by <i>Stenotrophomonas acidaminiphila</i>
PMO-16P	56008	Application of biosurfactant on the enzymatic hydrolysis of lignocellulosic material
PMO-17P	56072	Extractive batch ethanol fermentation: a comparative study of ethanol stripping with CO <sub>2</sub> and N <sub>2</sub>
PMO-18P	56080	Prospect for metal-contaminated wastewater treatment by microalgae
PMO-19P	56107	Overexpression of acetyl-coa synthetase in <i>Salmonella typhimurium</i> : a potential strategy to reduce acetate accumulation
PMO-20P	56157	Bacterial leaching of primary nickel ore using <i>Chemolithotrophic acidithiobacillus ferrooxidans</i> LR
PMO-21P	56158	Characterization of <i>Botryosphaeria rhodina</i> MAMB-05 mycelium for use as biosorbent of lanthanides
PMO-22P	56168	Study of <i>Scheffersomyces stipitis</i> and <i>Spathaspora passalidarum</i> behaviour in different hemicellulosic hydrolyzate inhibitors
PMO-23P	56169	Ethanol and citric acid co-production by <i>Trichoderma reesei</i> and <i>Saccharomyces cerevisiae</i> from sugarcane bagasse and vinasse
PMO-24P	56186	Soybean molasses as substrate and prebiotic source for growth of probiotic <i>Saccharomyces boulardii</i>
PMO-25P	56214	Production of biosurfactant using <i>P. aeruginosa</i> ATCC 10145
PMO-26P	56234	Development of a low-cost growth medium formulation to cellulase production by <i>Bacillus</i> sp SMIA-2
PMO-27P	56237	Performance of crude cellulase from <i>Thermophilic bacillus</i> sp SMIA-2 to cellulose hydrolysis
PMO-28P	56242	Analysis of metabolic heat released during recombinant <i>Escherichia coli</i> cultures under different temperatures and inducers

Nº	Nº Galoá	Título
PMO-29P	56243	Growth of immobilized <i>Desmodesmus subspicatus</i> in alginate beads and its potential to potassium removal from vinasse
PMO-30P	56257	Potential of four different microalgae in the production of biomass and synthesis of pigments
PMO-31P	56262	Experimental design in the improvement of lipase production by <i>Aspergillus tubingensis</i> using grape oil as inducer.
PMO-32P	56275	Spray-drying microencapsulation of <i>Trichoderma asperellum</i>
PMO-33P	56276	Characterization of encapsulating agents and production of microcapsules of <i>Trichoderma asperellum</i>
PMO-34P	56284	Red pigment production by <i>Talaromyces minioluteus</i> / <i>Penicillium minioluteum</i> in different culture media
PMO-35P	56314	Biosynthesis of selenium nanoparticles using <i>Saccharomyces cerevisiae</i> isolated from sugarcane culture microbiote.
PMO-36P	56319	Effect of oxygen transfer rate in the clavulanic acid production in the conventional bioreactors
PMO-37P	56321	Temperature influence and concentration of ammonium in the clavulanic acid production by <i>Streptomyces clavuligerus</i>
PMO-38P	56376	Central composite design optimization of NPK concentration in a mineral media for green algae biomass yield
PMO-39P	56397	Improvement of antioxidant activity of jussara pulp after fermentation process
PMO-40P	56399	Determination of products after bioconversion of anthocyanins from jussara pulp
PMO-41P	56439	Xanthan gum production by semisolid and submerged processes using potato peel as substrate
PMO-42P	56444	Extractive ethanol batch fermentation with organic solvent in a drop column bioreactor
PMO-43P	56454	Microencapsulation of <i>Bacillus subtilis</i> by spray drying
PMO-44P	56459	Biosynthesis of xanthan gum from pectin deriving from passion fruit peel extraction
PMO-45P	56476	Production of a recombinant protein of zika virus in e. coli under different conditions
PMO-46P	56478	Biodegradation of anionic surfactants from commercial detergents
PMO-47P	56494	Physico-chemical conditions for carotenoids production by <i>Flavobacterium</i> sp.
PMO-48P	56495	Influence of process variables in ethanol production from whey permeate
PMO-48P	56495	Influence of process variables in ethanol production from whey permeate

Nº	Nº Galoá	Título
PMO-49P	56512	Evaluation of biosolubilization of phosphorus from phosphate rock concentrate by solid and submerge fermentation using <i>Trichoderma asperellum</i>
PMO-50P	56522	Phosphate rock concentrate solubilization using <i>Bacillus megaterium</i> and <i>Pseudomonas fluorescens</i> in modified nutrient broth medium.
PMO-51P	56601	Isolation and identification of microorganisms with biotechnological interest from the digestive system of the fish <i>Prochilodus lineatus</i>
PMO-52P	56604	Effect of medium composition for crude glycerol fermentation by <i>Enterobacter</i> sp.
PMO-53P	56625	Natural pigment production in different medium by <i>Aspergillus terreus</i> S9 and S22 for industrial applications
PMO-54P	56629	Biotechnological potential of the use of green coconut bagasse in the production of lacase by <i>Lentinus crinitus</i> CCIBT2611
PMO-55P	56641	<i>Trichoderma harzianum</i> cellulolytic enzyme production: first steps for process scale-up
PMO-56P	56655	Antimicrobial potential of <i>Aspergillus terreus</i> S9 against multidrug-resistant bacteria
PMO-57P	56661	Influence of solids loading on the productivity of hydrolases by <i>Penicillium funiculosum</i>
PMO-58P	56750	Influence of shear on spore production in solid cultivation of <i>Metarhizium anisopliae</i> in rice particles in rotating drum bioreactor
PMO-59P	56783	Phycocyanin production by <i>Aphanothece microscopica</i> Nägeli from mixotrophic growth with sugarcane vinasse
PMO-60P	57283	Ethanol production by a newly isolated <i>Kluyveromyces marxianus</i> : the effect of temperature
PMO-61P	57310	Prospection of cellulase from isolated fungi from the semiarid caatinga of paraíba
PMO-62P	57321	Production of beta-cyclodextrin glycosyltransferase (beta-cgtase) by endophytic bacteria by submerged fermentation
PMO-63P	57359	Evaluation of glycerol as carbon source for <i>Salmonella typhimurium</i> cultures in chemostats
PMO-64P	58339	Evaluation of methylocystis hirsuta growth on supplemented mineral media using methane as carbon source
PMO-65P	58489	Production of phenolic and flavonoids compounds by solid-state fermentation of tamarind residues ( <i>Tamarindus indica</i> )

## 9- Biotecnologia Ambiental

Nº	Nº Galoá	Título
BAM-1P	55483	Enzyme bioprospecting in endophytic fungi strains isolated from <i>Annona crassiflora</i>
BAM-2P	55498	Treated wastewater from biodiesel generation and its toxicity evaluation by <i>Raphidocelis subcapitata</i>
BAM-3P	55540	Fungal isolates with potential in the control of aquatic macrophytes
BAM-4P	55549	Influence of fungal metabolite, 3-hydroxyanthranilic acid, in the decolorization of a dye mixture by fenton processes
BAM-5P	55935	Effect of light color on <i>Spirulina platensis</i> growth on dairy wastewater treatment
BAM-6P	55936	Prospecting fungic strains for lipase production
BAM-7P	55941	Magnetic field effect in alcoholic fermentation with alternative cultivation medium
BAM-8P	56076	Production and identification of biosurfactant produced through agro-industrial waste
BAM-10P	56273	Application of biosurfactant obtained from unconventional carbon source in the process of paint removal
BAM-11P	56277	Textile dyes decolorization capacity of white rot fungus <i>Ceriporiopsis subvermispora</i>
BAM-12P	56330	Solubilization of phosphate rock by organic acids
BAM-13P	56368	Influence of chromium in anaerobic co-digestion of tannery solid wastes
BAM-14P	56429	Fouling mechanism in nanofiltration membrane using a solution contaminated with Cr (VI)
BAM-15P	56443	Estimation of mass transfer parameters of extraction of mangaba ( <i>Hancornia speciosa</i> gomes) seed oil using supercritical carbon dioxide
BAM-16P	56445	Statistical experimental design for the industrial biodiesel effluent biotreatment in brazil northeast – part 2: evaluation of cod removal with lipase extract.
BAM-17P	56452	Hydrometallurgical process for the recovery of li and co metals from li-ion batteries
BAM-18P	56479	Evaluation of pressure and temperature effects on enzymatic transesterification of ethyl esters.
BAM-19P	56496	Production and use of <i>Cystofilo basidium</i> biosurfactant in removal of manganese
BAM-20P	56513	Isolation of nickel resistant microorganisms for biosorption processes
BAM-21P	56584	Cell-wall disruption of chlorella vulgaris by microwave and ultrasonic methods for biodiesel production

Nº	Nº Galoá	Título
BAM-22P	56587	Experimental study using hair fibers as natural sorvents of petroleums from the basin of campos and sergipe
BAM-23P	56658	Synthesis and characterization of activated coal obtained from the cajá seed ( <i>Spondias mombin</i> ) for removal of royal Dianix CC blue textile dye
BAM-24P	56660	Palm heart-pupunha ( <i>bactris gasipaes</i> ) waste - lignocellulosic material used as precursor for synthesis of activated carbon
BAM-25P	56665	Evaluation of natural coagulant <i>Moringa oleifera</i> Lam. in sintetic dairy wasteater treatment
BAM-26P	56777	Selection and characterization of bacterial cellulose in agro industrial residues
BAM-27P	57769	Evaluation of adsorvent capacity of pseudofruit of japanese grape in different concentrations of methylene blue
BAM-28P	58498	Evaluation of magnetic field application in microbial mixed culture for chromium biorremotion
BAM-29P	58578	Use of c-phyococyanin extracted from <i>Spirulina</i> sp. LEB 18 in formulation of paint
BAM-30P	58611	Indigo carmine treatment for indigenus filamental fungi
BAM-31P	58613	Biosurfactant production from <i>Bacillus</i> sp. UCp 1615 in bioreactor and evaluation of its stability
BAM-32P	58646	Small-scale system development for selection and cultivation of CO <sub>2</sub> tolerant microalgae for gas upgrading
BAM-33P	58661	Comparative study of biodigester gas production using different substrates and beds
BAM-34P	58735	Bioelectrochemical treatment of sugar cane vinasse
BAM-35P	58772	Bioaugmentation for TPH removal from soil
BAM-36P	58775	Biodegradation of linear alkyl benzene sulfonate (las) by filamentous fungi
BAM-37P	58778	Biotechnological production of enzymatic extract with celulolytical activity from agroindustry residues
BAM-38P	58792	Effects of vinasse on germination of lettuce seeds ( <i>Lactuca sativa</i> L.)
BAM-39P	58802	Heterotrophic cultivation of microalgae for the production of the third-generation biodiesel (3G): a life cycle assessment perspective
BAM-40P	58804	Performance assessment of <i>Phormidium autumnale</i> submitted to blood load shocks in microalgal heterotrophic bioreactors
BAM-41P	58826	Biodegradation of pulp-wash by <i>Pleurotus sajor-caju</i> and ecotoxicological evaluation

Nº	Nº Galoá	Título
BAM-42P	58829	Evaluation of magnetic field contact time in mixed culture to different process conditions at total chromium removal
BAM-43P	58836	Anaerobic digestion of food waste in different feed compositions applied in laboratorial and pilot scale
BAM-44P	58838	Analysis of the potential of biogas production from university cafeteria food wastes
BAM-45P	58849	Biosurfactant production through a vegetable extract selection
BAM-46P	58862	Biosurfactant application in the decontamination of petroderivative in soils
BAM-47P	58866	Evaluation of the kinetic parameters of growth of <i>Chlorella fusca</i> LEB 111 cultivated with addition of pentoses and luminous intensity variation
BAM-48P	58867	Effects xilose and arabinose and lighth intensity in protein profile of <i>Chlorella minutissima</i> growth in raceway photobioreactors
BAM-49P	58874	Effect of the amino acid cysteine in the decolorization of dyes by fenton processes
BAM-50P	58879	Production of nanofibers with functional particles by electrospinning for CO <sub>2</sub> adsorption
BAM-51P	58883	Application of a biosurfactant from <i>Candida tropicalis</i> UCP 0996 for hydrophobic compound biodegradation improving in seawater
BAM-52P	58888	Effects of temperature and light variations on the cell growth of <i>Dunaliella tertiolecta</i>
BAM-53P	58892	Effect of the polymer molar mass in aqueous two-phase systems applied for metal ion recovery
BAM-54P	58917	Selection of vinasse-degrading microorganisms
BAM-55P	58923	Biochemical methane potential production from <i>Heterochlorella luteoviridis</i> biomass

## 11- Pré-tratamento e Fracionamento de Lignocelulósicos

Nº	Nº Galoá	Título
PFL-1P	55467	Detoxification of lignocellulosic hydrolyzate via adsorption with activated carbon and stripping using dried air
PFL-2P	55697	Diluted acid hydrolysis of rice wastes for fermentable sugars production
PFL-3P	56304	Effects of moisture and ozonolysis on sugarcane bagasse pretreatment



Nº	Nº Galoá	Título
PFL-4P	56307	Optimization of dilute acid hydrolysis of malt bagasse aiming for the production of fermentable sugars
PFL-5P	56385	Green coconut husk dilute acid pretreatment assisted by tween 80
PFL-6P	56388	Application of chemical methods to the pre-treatment (acid-base and fenton) of sisal bagasse
PFL-7P	56524	Characterization and acid pretreatment of sisal fiber ( <i>Agave sisalana</i> )
PFL-8P	57332	Potential of orange bagasse for bioethanol production
PFL-9P	58479	Analysis of pre-treatment of pineapple waste with hydrogen peroxide in the obtination of total reducing sugars
PFL-10P	58844	Biomass acid pretreatment: sugarcane straw plus bagasse
PFL-11P	58845	Optimization of pretreatment of sugarcane straw with sulfuric acid for obtaining fermentable sugars
PFL-12P	58851	Conditioning of hydrothermically pretreated sugarcane bagasse: kinetics of removal of soluble lignin
PFL-13P	58858	Response surface approach for alkaline pretreatment of coffee husk for eficiente fermentable sugars recovery
PFL-14P	58899	Use of choline-based eutectic solvents in sugar cane straw pretreatment
PFL-15P	58900	Comparison of treatment conditions for chemical input reduction in the arabinoxylan extraction
PFL-16P	58956	Characterization of residuo from pamonha for production bioethanol
PFL-17P	58957	Study of the reutilization of solid waste of the cocoa industry.
PFL-18P	58986	Extraction, characterization and application of lignin from cashew apple fiber pretreated with alkaline hydrogen peroxide
PFL-20P	59033	Extraction of hemicellulose as prebiotic xylo-oligosaccharide in the process of obtaining nanocellulose from sugarcane bagasse
PFL-21P	59036	Enzymatic and molecular characterization of transformants of <i>Trichoderma harzianum</i> CFAM-422 aiming the identification of genes involved in the deconstruction of polysaccharides
PFL-22P	56307	Optimization of dilute acid hydrolysis of malt bagasse aiming for the production of fermentable sugars
PFL-23P	56224	<i>Laccase</i> pretreatment improves the saccharification of sugar cane bagasse and eucalyptus sawdust



Nº	Nº Galoá	Título
PFL-24P	56057	Prediction of lignin content extracted from sugarcane bagasse via hydrogen peroxide using Artificial Neural Networks (ANN)
PFL-25P	55697	Diluted acid hydrolysis of rice wastes for fermentable sugars production
PFL-26P	55538	<i>Alkaline peroxide</i> as an alternative for the pretreatment of corn stalk
PFL-27P	55537	Acid pretreatment of corn stalk for biogas and ethanol production
PFL-28P	55469	Hydrothermal pretreatment evaluation using severity factor
PFL-29P	55389	What is the influence of recycling the liquid fraction of pretreatment with alkaline hydrogen peroxide in the corn stover biomass? – Part 1

## 12- Processos de hidrolise enzimática de biomassa

Nº	Nº Galoá	Título
PHB-1P	58898	Amylases in protein secretome profile from <i>Aspergillus</i> sp with potential to deconstruct integral starch.
PHB-2P	55497	Enzymatic hydrolysis of malt bagasse to obtain fermentable sugars
PHB-3P	55532	The potential of cassava residue to produce ethanol
PHB-4P	55541	Malt bagasse as a source of fermentable sugar for bioethanol production: a study using ultrasound technology
PHB-5P	56469	Bioreactor operational policy for the enzymatic hydrolysis of sugarcane straw: fed-batch of substrate and enzymes
PHB-6P	56526	Ethanol production from sugarcane bagasse, corn cob and corn straw using holocellulolytic extract produced by <i>Aspergillus tubingensis</i> AN1257
PHB-7P	56569	Chemical composition and enzymatic hydrolysis of sugarcane biomass after pretreatments using ionic liquids and diluted acid
PHB-8P	56632	Optimization of xylanase production by <i>Trichoderma stromaticum</i> in solid state fermentation

Nº	Nº Galoá	Título
PHB-9P	57269	Comparing performance of <i>Saccharomyces cerevisiae</i> and <i>Kluyveromyces marxianus</i> on ssf process using hydrothermally pretreated sugarcane straw
PHB-10P	58662	Studies on enzymatic hydrolysis of corn residues to produce second generation ethanol
PHB-11P	58834	Effect of pretreatments on the enzymatic hydrolysis of sugarcane bagasse
PHB-12P	58852	Comparision of endoglucanase production by isolated wood fungus grown in synthetic medium and in medium containing coffee husk as only carbon source
PHB-13P	58896	Study of the enzymatic hydrolysis of the starch extracted from a typical Brazilian cerrado fruit.
PHB-14P	58907	Enzymatic cocktail produced by <i>Fusarium</i> sp with potential to deconstruct crude cassava starch ( <i>Manihot esculenta</i> crantz).
PHB-15P	59019	Enhancement of <i>Trichoderma harzianum</i> CFAM-422 for cellulase and hemicellulase production by deletion of the carbon catabolite repressor gene cre1
PHB-16P	59029	Endophytic fungi of <i>Paullinia cupana</i> and <i>Rhizophora mangle</i> and their potential for lignocellulolytic enzymes production
PHB-18P	55404	Enzymatic saccharification of waste paper
PHB-19P	55485	Evaluation of the enzymatic hydrolysis of different enzymatic extracts containing cellulases on the residue generated in the carrageenan processing from <i>Kappaphycus alvarezii</i>
PHB-20P	55491	Endophytic actinomycetes as potential producers of hemicellulases and related enzymes for plant biomass degradation

Seção de Pôster – 6 de setembro de 2017

Horário: 16:45 às 18:15

Local: 2º Piso – Biblioteca Jacinto Uchôa

Coordenador: Dr. Luiz Fernando Romanholo Ferreira (Universidade Tiradentes)

Dr. Roberto Rodrigues de Souza (Universidade Federal de Sergipe)

## 5- Processos Microbiológicos – Parte II

Nº	Nº Galoá	Título
PMO-66P	58521	Growth and poly(3-hydroxybutyrate) production by <i>Cupriavidus necator</i> using glycerol and glucose
PMO-67P	58568	Biodegradation of vegetable tannins by filamentous fungi
PMO-68P	58665	Alginate beads as protective shield to enhance xylose engineered yeast performance in presence of acetic acid
PMO-69P	58673	Biodegradation of linear surfactant alkylbenzene sodium sulfonate using filamental fungi <i>Penicillium chrysogenum</i> and <i>Penicillium crustosum</i> in a synthetic effluent containing urea as a source of nitrogen
PMO-70P	58675	Antimicrobial activity of cellular extracts obtained by two different species of microalgae
PMO-71P	58687	Lipases production by filamentous fungi isolated from restinga da Marambaia (RJ) and its biotechnological potential
PMO-72P	58695	Influence of <i>Clostridium butyricum</i> inoculum age on glycerine fermentation
PMO-73P	58698	Esterases production by <i>Yarrowia lipolytica</i> via solid-state fermentation
PMO-74P	58701	Optimization of biodegradation of linear alkylbenzene sulfonate surfactant using filamentous fungus
PMO-75P	58703	Viability of biogas production from organic waste
PMO-76P	58711	Characterization of <i>Escherichia coli</i> adapted to the crude glycerol by evolutive engineering
PMO-77P	58715	Growth inhibition of phytopathogenic fungi in tomatoes using chitosan
PMO-78P	58759	Preliminary characterization of <i>Yarrowia lipolytica</i> lipase produced in soybean meal by solid-state fermentation using different detergents and its substrate specificity
PMO-79P	58760	Isolation of yeasts able to ferment glucose associated to termite <i>Nasutitermes macrocephalus</i>
PMO-80P	58767	Spore production of <i>Metarhizium anisopliae</i> fungus with solid-state fermentation in plastic packages, bioreactor tray, packed bed and rotary drum bioreactors.

Nº	Nº Galoá	Título
PMO-81P	58769	Study of the production of amylase and protease enzymes by <i>Metarhizium anisopliae</i> fungus using long-grain rice as substrate
PMO-82P	58771	Cellulase production by filamentous fungi isolated from tropical forest soil
PMO-83P	58786	Optimization of the coagulant activity (rennin) production by <i>Thermomucor indicae-seudaticae</i> N31 in submerged fermentation
PMO-84P	58788	In vitro resistance of free <i>Lactobacillus rhamnosus</i> LR-32 in front of digestive enzymes.
PMO-85P	58794	Modeling of carotenoids production by <i>Rhodotorula glutinis</i> using cassava wastewater by substrate
PMO-86P	58795	Bioproducts produced by bacterial conversion of crude glycerol from biodiesel industry
PMO-87P	58817	Screening of fungi strains for the polyols production from glycerin obtained from palm and soybean biodiesel
PMO-88P	58820	Grape residue extracts: characterization and antimicrobial potential
PMO-89P	58824	Bioproduction of polyesters in shake flask cultivations using different bacterial strains and soybean as substrate
PMO-90P	58827	Deployment of cellulose pulp as an alternative substrate for xanthan gum production
PMO-91P	58832	<i>Staphylococcus warneri</i> EX17 lipase cloning and expression
PMO-92P	58842	Xanthan gum produced by <i>Xanthomonas campestris</i> CCT 0083 and CCT 5268 from the fermentation of the juice waste as a substrate
PMO-93P	58848	Modeling the growth of lactic acid bacteria natural microbiota under non-isothermal conditions in vacuum-packed sliced ham
PMO-94P	58870	Yeast selection for biotechnological processes using cassava wastewater as substrate
PMO-95P	58873	Evaluation of the antimicrobial activity of eugenyl acetate nanoemulsion
PMO-96P	58876	Study of production of polyhydroxialcanoates with different strains of <i>Cupriavidus necator</i> and <i>Burkholderia cepacia</i> from sugarcane molasses
PMO-97P	58878	Antimicrobial activity of eugenyl isobutyrate in pathogenic microorganism
PMO-98P	58887	Biosynthesis of iron nanoparticles by <i>Rhodococcus erythropolis</i> ATCC 4277

Nº	Nº Galoá	Título
PMO-99P	58891	Study of the use of <i>Fusarium oxysporum</i> in the biosynthesis of silver nanoparticles
PMO-100P	58902	Lipases production using residues from palm oil agro-industry
PMO-101P	58904	Semicontinuos production of <i>Spirulina</i> LEB-18 biomass in Brazilian northeast
PMO-102P	58906	Influence of nitrate availability in growth and chlorophyll content during the cultivation of microalga <i>Chlorella minutissima</i>
PMO-103P	58914	Lipase production by <i>Yarrowia lipolytica</i> from the mango fibrous tegument ( <i>Mangifera Indica</i> L. Var Ubá) with nitrogen supplementation
PMO-104P	58922	Bioherbicide production from secondaries metabolites produced by submerged fermentation of <i>Phoma</i> sp.
PMO-105P	58933	Antimicrobial action of propolis from Brazil and Argentina on yeasts from the ethanolic fermentation
PMO-106P	58934	Kinetic parameters analysis of growth and xanthan gum production by <i>Xanthomonas campestris mangiferaeindicae</i> 2013 from crude glycerol
PMO-107P	58935	Molecular mass and thermal properties of glycerol-based polyhydroxyalkanoate obtained by <i>Cupriavidus necator</i>
PMO-108P	58936	Extraction procedures of carotenoids and ficobilines from microalga <i>Selenastrum</i> sp. cultures
PMO-109P	58938	Induced resistance to anthracnose in bean by the <i>Trichoderma harzianum</i>
PMO-110P	58939	Analysis of the metabolic profile of industrial yeasts <i>Saccharomyces cerevisiae</i> and <i>Dekkera bruxellensis</i> in response to magnesium and copper supplementation in industrial environments
PMO-111P	58955	Production of indolacetic acid by microalga <i>Desmodesmus subspicatus</i>
PMO-112P	58959	Monitoring of <i>Xanthomonas campestris</i> pv. <i>Mangiferaeindicae</i> in different preservation conditions
PMO-113P	58964	Evaluation of the production of biosurfactant from different carbon sources by <i>Candida guilliermondii</i>
PMO-114P	58965	Butanol production by clostridium <i>Pasteurianum</i> NRRL B-598 using corn steep liquor as nutrient source
PMO-115P	58966	Cell growth and xanthan gum production from the fermentation of glucose and sucrose by <i>Xanthomonas campestris</i> pv. <i>Mangiferaeindicae</i> 645
PMO-116P	58981	The influence of vitamins in the cultivation of <i>Chlorella vulgaris</i>

Nº	Nº Galoá	Título
PMO-117P	58985	Production of biosurfactants by <i>Bacillus triplexicola</i> and <i>Candida cylindracea</i> SJL6 using agroindustrial residues as substrate
PMO-118P	58989	Production by <i>Escherichia coli</i> in bioreactor of VHH type antibody fragments against <i>Bothrops jararacussu</i> (jararaca) toxins
PMO-119P	58995	Selection and evaluation of amylases production by filamentous fungi using agroindustrial wastes in submerged fermentation
PMO-120P	58997	Production of gamma-aminobutyric acid by <i>Lactobacillus</i> isolated from açai fruits
PMO-121P	59003	Evaluation of <i>Bacillus subtilis</i> growth and biosurfactant production using wastes as substrate
PMO-122P	59005	Production of biosurfactant using soybean molasses
PMO-123P	59008	Influence of different carbon sources on biomass growth of <i>Yarrowia lipolytica</i> in submerged fermentation
PMO-124P	59010	Green coconut husk as an alternative substrate for xanthan gum production
PMO-125P	59013	Production of gibberellic acid using rice bran and malt residue mixture from <i>Gibberella fujikuroi</i> by solid state fermentation
PMO-126P	59014	Optimization of biosurfactant production in air lift bench reactor
PMO-127P	59023	Production of xanthan gum by strain ATCC 13951 of <i>Xanthomonas campestris</i> from fresh and hydrolyzed whey
PMO-128P	58967	Submerged cultivation of <i>Rhizopus stolonifer</i> (CBMAI) in an airlift bioreactor
PMO-129P	58953	Analysis of bacterial strains for bioprecipitation of carbonate minerals
PMO-130P	58932	Hyaluronic acid production in high cell density culture: balance of C and kinetic model
PMO-131P	58865	Development of equipment using high voltage pulses application to reduce the number of active microorganisms
PMO-132P	58574	Bioprospecting carotenoids production in three Brazilian microalgae species
PMO-133P	57320	Synthetic vinasse treatment and bioenergy generation using microbial fuel cells technique
PMO-134P	56681	Comparison among glucose, pure glycerol and crude glycerol by product of biodiesel synthesis as substrates for the production of 2,3-butanediol by <i>Enterobacter aerogenes</i>
PMO-135P	56646	Crude glycerol impurities enhanced fermentative production of chemicals by <i>Enterobacter cloacae</i> 9R
PMO-136P	56597	Production of two glucan fractions by <i>Lasioidiplodia theobromae</i> MMBJ in a 7-Litre Benchtop Bioreactor

PMO-137P	56563	Marine micogenic synthesis of silver nanoparticles and their antimicrobial and citotoxicity activity on textile fabric
PMO-138P	56529	Hydrodynamic evaluation of a square cross-section split airlift using CFD
PMO-139P	56505	How anaerobic really are our anaerobic cultivations?
PMO-140P	56447	Production of biosurfactant from rhodotorula mucilaginosa using pineapple residues
PMO-141P	56185	<i>Mortierella isabellina</i> for production of polyunsaturated fatty acids in stirred tank bioreactor
PMO-142P	56101	Effect of nitrogen source on talaromyces amestolkiae colorants
PMO-143P	58757	Cell growth and 2,3-butanediol production by <i>Klebsiella oxytoca</i> : influence of glycerol concentration and medium composition

## 6- Processos Enzimáticos – Parte II

Nº	Nº Galoá	Título
PEZ-80P	58733	Combined use of phosphonium-based ionic liquids in silica modification and during immobilization of lipase
PEZ-81P	58740	Characterization of the coffee silverskin and potential bioprocessing of crude oil
PEZ-82P	58799	Partial biochemical characterization of horseradish peroxidase immobilized on chitosan and chitosan/PEG nanoparticles
PEZ-83P	58803	Characterization of in-house produced xylanases action in the xylan hydrolysis
PEZ-84P	58833	<i>Burkholderia cepacia</i> lipase immobilization on multi-wall carbon nanotubes by physical adsorption
PEZ-85P	58880	Influence of methanol in the activity of free lipase NS 40116 in the hydrosterification reaction using abdominal chicken fat as substrate
PEZ-86P	58895	Lipase immobilization on polymeric supports and its application in transesterification reaction
PEZ-87P	58969	3D support based on chitosan: morphological characterization and immobilization of lipase



Nº	Nº Galoá	Título
PEZ-88P	58990	Biotechnological production of enzymatic extract with amilolytic activity from agroindustry residues
PEZ-89P	55471	Evaluation of temperature and pH effects on mycelial fructosyltransferase from <i>Aspergillus oryzae</i> IPT-301
PEZ-90P	55717	Kinetic studies and catalytic properties of <i>Geotrichum candidum</i> lipase for production of concentrated fatty acids
PEZ-91P	56109	B-glucosidase increases bioactive polyphenols in citrus pectin by-product
PEZ-92P	56207	Kinetics growth and L-asparaginase production of fungi isolated from Brazilian cerrado
PEZ-93P	56228	Ultrasonic-assisted enzymatic hydrolysis of tilapia mechanically separated meat
PEZ-94P	56406	Bio-oxidation of isoeugenol catalyzed by horseradish peroxidase immobilized
PEZ-95P	58276	Endoglucanase production in horizontal drum bioreactor for solid cultivation: influence of the aeration method
PEZ-96P	58683	Antioxidant capacity of lentil extracts obtained from germinated grains treated with different enzyme combinations
PEZ-97P	55472	Extracellular microbial fructosyltransferase production from <i>Aspergillus oryzae</i> IPT-301
PEZ-98P	56161	Surface optimization response to soybean oil hydrolysis catalyzed by <i>Penicillium citrinum</i> whole cells
PEZ-99P	56238	Effect of the time on the activity and thermal stability of novo-pro D™ immobilized on glyoxyl agarose support
PEZ-100P	56333	Enzymatic synthesis of isoamyl laurate using different sources of commercial available microbial lipases
PEZ-101P	56477	Production of lactulose by $\beta$ -galactosidase from <i>Kluyveromyces lactis</i> : The effect of the substrate concentration and the temperature
PEZ-102P	58796	Morphological and physicochemical characterizations of hybrids supports modified with aprotic ionic liquids.
PEZ-103P	58835	Comparison between single column and two columns packed bed reactor in the ethyl ester synthesis using <i>Burkholderia cepacia</i> lipase immobilized on silica modified in protic ionic liquid.



Nº	Nº Galoá	Título
PEZ-104P	60472	Purification of fructosyltransferase produced by <i>Aspergillus tamaris</i> UCP 1279 isolated from Caatinga soil
PEZ-105P	55524	Preliminary studies of complex growth media for extracellular fructosyltransferase production from <i>Aspergillus oryzae</i> IPT-301
PEZ-106P	56116	Immobilization of a produced lipase from <i>Geotrichum candidum</i> by different strategies
PEZ-107P	56295	Sorghum bagasse as a feedstock for lipase production by actinobacteria from Restinga da Marambaia (RJ)
PEZ-108P	55398	Cetyl oleate synthesis using immobilized lipase via covalent attachment on activated rice husks as potential biocatalyst
PEZ-109P	55546	Elaboration of biofilms from apple juice pomace using enzymatic extraction
PEZ-110P	56102	Enzymatic synthesis of biodiesel from palm kernel oil mediate by blend of microbial lipases
PEZ-111P	56171	Preparation, characterization and application of immobilized lipase in the synthesis of wax ester
PEZ-112P	56555	Influence of ionic liquid in the ascorbyl oleate enzymatic synthesis
PEZ-113P	56683	Production of xylooligosaccharides by hydrolysis of soybean hulls catalyzed by free endoxylanase under microwave irradiation
PEZ-114P	58752	Maltobionic acid: production from maltose or maltose syrup and purification
PEZ-115P	56014	Crosslinked aggregates of porcine pancreatic lipase for biodiesel production
PEZ-116P	56135	Continuous enzymatic synthesis of eugenyl isobutyrate in solvent-free systems
PEZ-117P	56163	Ultrasound assisted hydrolysis of vegetable oils catalyzed by <i>Penicillium citrinum</i> whole cells
PEZ-118P	56174	Effect of temperature on the synthesis of a wax ester in a solvent system: kinetic and thermodynamic study
PEZ-120P	56365	Study enzymatic stability of microbial protease
PEZ-121P	56380	Immobilization of xylanase novo NS22036 for xylooligosaccharides production
PEZ-122P	56402	Cross-linked enzyme aggregates (CLEAS) of $\beta$ -galactosidase
PEZ-123P	56518	Immobilization of $\beta$ -galactosidase on porous silica activated with glyoxyl groups

Nº	Nº Galoá	Título
PEZ-124P	56755	Evaluation of the conditions for the calcium alginate immobilization of <i>Zymomonas mobilis</i> aiming the production of lactobionic acid and sorbitol in repeated batches
PEZ-125P	57422	Study of the stability and catalytic versatility of the lipase b from <i>Candida antarctica</i> immobilized on immobead-350
PEZ-126P	58630	Characterization of a collagenase from yeast isolated of bee <i>Melipona</i> sp.
PEZ-127P	58798	Immobilization of horseradish peroxidase into chitosan and chitosan/PEG nanoparticles: preparation and spectroscopic characterization
PEZ-128P	58885	Production of gluconic acid from glucose catalyzed by cross-linked aggregates of glucose oxidase and catalase in a bubble column reactor
PEZ-129P	56365	Study enzymatic stability of microbial protease
PEZ-130P	58481	Use of radish peroxidase ( <i>Raphanus sativus</i> L.) in the textile dye degradation
PEZ-131P	56501	Antimicrobial fish protein hydrolysate
PEZ-132P	56215	Effect of structure properties of packed beds bioreactors and airflow rate above the production of enzymes by solid state fermentation

## 7- Processos com Células de Organismos Superiores

Nº	Nº Galoá	Título
PCS-1P	59001	Strategies to modulate microcarrier agglomeration in mesenchymal stromal cells culture in spinner flasks
PCS-2P	56345	Evaluation of pseudoperfusion feeding strategies with basal and concentrated media for the production of a recombinant monoclonal antibody
PCS-3P	58927	Production of anti-CD25 monoclonal antibody through hybridoma culture in spinner flask
PCS-4P	58943	Effect of glutamine fed-batch on a <i>Drosophila melanogaster</i> cell line expressing rabies virus glycoprotein cultivation

Nº	Nº Galoá	Título
PCS-5P	58871	<u>Fast and efficient genetic modification of human cells under suspension serum-free conditions for recombinant protein production: by transient transfection or transduction?</u>

## 8- Recuperação e Purificação de Bioprodutos

Nº	Nº Galoá	Título
RPB-1P	58812	Preparation and characterization of rutin liposomes prepared with phospholipids from buttermilk
RPB-2P	58868	Recovery of phenolic compounds from <i>Arthrospira (spirulina) platensis</i> : an approach on green extraction through innovative alternative techniques for food application
RPB-3P	55962	Effect of dilution rate and flow rate on purification parameters of lysozyme using and affinity cryogel
RPB-4P	58720	Aqueous two-phase systems based on [C <sub>2</sub> min]OAc and organic solvents
RPB-5P	58925	Near-infrared spectroscopy to monitor $\beta$ -carotene adsorption at high pressures
RPB-6P	55394	Industrial solid waste as adsorbent for purification of kernel palm biodiesel obtained by enzymatic catalysis
RPB-7P	55929	Purification of protease from <i>Aspergillus terreus</i> by ethanol and ammonium sulfate precipitation
RPB-8P	56395	Study of polyribosyl-ribitol-phosphate hydrolysis and influence of its molecular weight on its solubility in ethanol-water solutions
RPB-9P	58846	Chemical modification of orange peel and bagasse for use as whey proteins adsorbent
RPB-10P	56394	Scaling up of polysaccharide b separation from <i>Haemophilus influenzae</i> cells through tangential flow microfiltration
RPB-11P	57271	A new approach for the recovery of polyphenols from <i>Arthrospira platensis</i> : advancement of green process through high pressure/temperature extraction
RPB-12P	58353	Thin palladium composite membrane for hydrogen purification
RPB-13P	58946	Aqueous two phase systems based on protic ionic liquids and acetonitrile

Nº	Nº Galoá	Título
RPB-14P	55518	<i>E. Coli</i> M15 cell disruption to recover <i>Leishmania i. Chagasi</i> 503 antigen
RPB-15P	56059	Ligani downstream process and methodology development for quality control
RPB-16P	56268	Rutin extraction from acerola waste using methods combined with biphasic aqueous system
RPB-17P	56283	Harvesting of <i>Chlorella vulgaris</i> cells by coagulation-flocculation using biopolymers
RPB-18P	56403	Study of crude glycerol purification by adsorption
RPB-19P	56413	Assessment of winery residue (cabernet sauvignon's bagasse) for $\beta$ -carotene extraction
RPB-20P	56672	Effects of sodium chloride on ethanol precipitation of hyaluronic acid produced by fermentation
RPB-21P	58706	Extraction of fatty acids from <i>Mortierella isabellina</i> using ultrasound
RPB-22P	58983	Recovery of beta-carotene from hybrid palm oil using polymeric resin Diaion HP-20
RPB-23P	55476	Ethanol concentration of lipase from a newly isolated <i>Aspergillus niger</i>
RPB-24P	58787	Purification of cgtase produced by <i>Paenibacillus campinasensis</i> H69-3
RPB-25P	55492	Extraction and chemical characterization from lupinus albus root extracts
RPB-26P	56255	Effect of ionic liquids as adjuvants in the partition of amino acids in polymer-based aqueous biphasic systems
RPB-27P	56286	Partition of l (+) - lactic acid using polyethylene glycol/sodium citrate aqueous two-phase systems
RPB-28P	56384	Purification of a yeast lipase from antarctic environment using ammonium sulfate precipitation
RPB-29P	58354	Effect of centrifugation on soursop ( <i>Ammona muricata</i> ) juice characteristics
RPB-30P	55489	Extraction of lupinus albus stalk using supercritical CO <sub>2</sub> and n-hexane
RPB-31P	56401	Bioherbicide production from secondary metabolites of the fungus <i>Phoma</i> sp.
RPB-32P	56517	Evaluation of solvent performance in the extraction of P(3HB) from gram-positive bacteria <i>Bacillus megaterium</i>
RPB-33P	58872	Extraction of phenolic compounds of jaboticaba peel ( <i>Myrciaria cauliflora</i> ): a comparison study between ultrasound and micro-waves assisted extraction methods
RPB-34P	58877	Effect of metal ions on the purification of igg from human serum by paam-ida cryogel

Nº	Nº Galoá	Título
RPB-35P	55474	Effects of the process parameters in the enzymatic extraction of insoluble dietary fibers from macauba ( <i>Acrocomia aculeata</i> ) kernel bran
RPB-36P	58918	Pigment extraction and purification using aqueous two phase systems
RPB-37P	56391	Analysis of chromatographic techniques for recombinant $\beta$ -galactosidase obtention
RPB-38P	58868	Recovery of phenolic compounds from <i>Arthrospira (spirulina) platensis</i> : an approach on green extraction through innovative alternative techniques for food application
RPB-39P	58868	Recovery of phenolic compounds from arthrospira ( <i>spirulina</i> ) <i>platensis</i> : an approach on green extraction through innovative alternative techniques for food application
RPB-40P	59034	Human IGG adsorption by affinity chromatography using fplc contichrom
RPB-41P	58961	Adsorption of carotenes from palm oil: Mechanisms and isomers identification
RPB-42P	58737	Novel aqueous two-phase system based on protics ionic liquids and acetone
RPB-43P	57305	Deep eutectic solvents based on choline chloride and sugars: a new constituent for aqueous two-phase systems with acetonitrile
RPB-44P	56274	Recovery of bioproducts by gasification of algae and sewage sludge

## 9- Biotecnologia Ambiental

Nº	Nº Galoá	Título
BAM-56P	58944	Isolation, identification and selection of microalgae for wastewater treatment
BAM-57P	58949	Use of citrus effluent for the production of lignocellulolytic enzymes and fungal biomass.
BAM-58P	58971	Sampling and evaluation of physical and chemical characteristics of fine atmospheric particulate matter in the central region of the state of São Paulo
BAM-59P	59018	Evaluation of the removal of organic matter in microbial fuel cells
BAM-60P	59031	Fungi isolation and production of hidrolitic enzymes by solid-state fermentation of <i>Euterpe oleracea</i> RESIDUES
BAM-61P	58996	Natural sorvents in the cleaning of petroleum in marine waters: simulation with the petroleum of the sergipe basin
BAM-62P	58947	Investigation of the capacity of co2 removal through microalgae cultivation
BAM-63P	58886	Chlorella fusca GROWTH IN OPEN RACEWAY PONDS WITH MAGNETIC FIELD
BAM-64P	58638	Conversion of carbon dioxide in photobioreactors and thermal analysis of bio-oxycombustion systems
BAM-65P	58513	Construction and application of a laboratorial dissolved air flotator prototype with biosurfactants as collectors
BAM-66P	58322	Enzymatic pre-treatment of high-fat effluents: evaluation of process variables.

N°	N° Galoá	Título
BAM-67P	56647	Evaluation of electrical potential generation in microbial fuel cells using modified activated charcoal as anode
BAM-68P	56626	Natural sorbents in the cleaning of petroleum in coastal environment: in vitro tests with oil from the campos basin
BAM-69P	56393	Biosorption of Cr(VI) using Agroindustrial Residues
BAM-70P	56390	Processing of crude glycerol in anaerobic fluidized bed reactor mesophilic for methane production
BAM-71P	56387	Processing of crude glycerol in anaerobic fluidized bed reactor mesophilic for production of hydrogen and soluble metabolites using mixed culture
BAM-72P	56359	Thermophilic anaerobic biodigestion of crude glycerol in methanogenic fluidized bed reactors
BAM-73P	56357	Hydrogen production from crude glycerol fermentation in an anaerobic fluidized thermophilic bed reactor
BAM-74P	55956	Spirulina cultivation in different concentrations of CO <sub>2</sub> absorbents
BAM-75P	55932	Immobilization of lipase ns 40116 in polyurethane foam

## Escola de Bioprocess

**Coordenador:** Dr. Álvaro Silva Lima (Universidade Tiradentes)

Dra. Luciana Cristina Lins de Aquino Santana (Universidade Federal de Sergipe)

**Dias:** 04 e 05/09/2017

**Horário:** 8:00 às 12:00

**Local:** Bloco F

<b>Sala</b>	<b>Curso</b>	<b>Professor (Instituição)</b>
03	Molecular Docking: Simulação e Predição para Bioprocessos	Matheus Mendonça Pereira (Universidade de Aveiro)
16	Cultivo de Células Animais	Marta Cristina de Oliveira Souza (Fundação Oswaldo Cruz – BioManguinhos)
18	Biomedicamento: Desenvolvimento e Aplicações	Patrícia Severino (Universidade Tiradentes)
21	Planejamento de Experimentos e Otimização de Processos	Maria Isabel Rodrigues (Universidade Estadual de Campinas)
22	Microencapsulação Aplicada ao Desenvolvimento de Novos Produtos Alimentícios	Rita de Cássia Bergamasco (Universidade Estadual de Maringá)
26	Produção de Bioprodutos a partir de fontes microbianas	Valéria de Carvalho Santos-Ebinuma (Universidade Estadual Paulista – Araraquara)
29	Recuperação e Purificação de Biomoléculas	Ivanildo José da Silva Júnior (Universidade Federal do Ceará)
30	Separação e Purificação de Biomoléculas: Técnicas e Perspectivas	Francislene Hasmann (Faculdade Mauricio de Nassau)
32	Utilização de Líquidos Iônicos como Alternativa Sustentável em Diferentes Bioprocessos	Jorge Fernando Brandão Pereira (Universidade Estadual Paulista – Araraquara)



