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| **SEPTEMBER 3** |
| 15:00-18:00 | LobbyRegistration |
|
| 18:00-18:30 | Main RoomOpening Session |
|
| 18:30-19:30 | Plenary Lecture |
| **KALIDAS SHETTY** |
| NORTH DAKOTA STATE UNIVERSITY |
| Chair: Fatima Grossi de Sá |
| 19:30-21:00 | Socio-Cultural event |

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| **SEPTEMBER 4** |
| 9:00-10:00 | Plenary Lecture |
| **MARCO RITO PALOMARES** |
| TECNOLOGICO DE MONTEREY |
| Chair: Lorenzo Pastrana |
| PLACE -> | **ROOM 1** | **ROOM 2**Human Health & Biotechnology | **ROOM 3**Biocatalysis & Biotransformation |
| Bioenergy & Biorefinery |
|
|  | Chair: Arely Prado | Chair: Juan Buenrostro | Chair: Luis Rodríguez |
| 10:00-10:30 | Keynote lecture | Keynote lecture | Keynote lecture |
| **Héctor Ruiz** | **Octávio Luiz Franco** | **Martha Guerrero**  |
| Universidad Autónoma de Coahuila | Universidade Catolica de Brasilia | Universidad Autónoma de Nuevo León |
|
| **MEXICO** | **BRAZIL** | **MEXICO** |
| 10:30-11:00 | Keynote lecture | Keynote lecture | Keynote lecture |
| **Martín López**  | **Virginia Nevárez** | **Manuel Rendueles** |
| Consejo Superior de Investigaciones Científicas | Universidad Autónoma de Chihuahua | Universidad de Oviedo |
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| **SPAIN** | **MEXICO** | **SPAIN** |
| 11:00-11:15 | Coffee Break |
| 11:15-11:30 | **Short OralCarrales-Briones, J.R.Universidad Autónoma de CoahuilaMéxico** | ***Short Oral Gomes Araújo, R. Universidad Autónoma de Coahuila México***  | ***Short Oral Alonso-Estrada, D. Universidad Autónoma de Coahuila México*** |
| 11:30-11:45 | ***Shor Oral Pérez-Carrillo, E. Tecnológico de Monterrey México*** | **Short Oral Ana Sofia Sousa Universidad Católica de Portuguesa Portugal**  | ***Short Oral López-Rodríguez, V. Universidad Autónoma de Coahuila México*** |
| 11:45-12:00 |  ***Short Oral Ruiz, D. Universidad Nacional Autónoma de México México*** | ***Short Oral Vertti Cervantes B. CIBA-IPN México*** | ***Short Oral Teymennet-Ramírez, K.V. CIATEJ México*** |
| 12:00-12:20 | Technical LectureBiosignature-GreenCorpDra. Berenice Alvarez | Technical LectureISASADr. Filippo Bedani | ***Short Oral Adekanmi, D. G. Universidad Autónoma de Coahuila México*** |
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|
| 12:20-14:30 | Lunch Time |
| 14:30-16:00 | Poster session |
| 16:00-17:30 | Round Table -Sesion Chair / Dra. Liliana Flores López  |
| Sustainable Agriculture and Biocontrol |
| 17:30-18:00 | Cultural event |

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| **SEPTEMBER 5** |
| 9:00-10:00 | Plenary Lecture |
| **JOSE MARIA LAGARON** |
| CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS |
| Chair: José Mario Díaz |
| PLACE -> | **Room 1**Biosystems & Synthetic Biology | **Room 2** | **Room 3**Bioeconomy & Sustainability | **Main Room**Bioengineering and Bioprocess |
| Industrial Biotechnology |
|
| Chair: Miguel Aguilar | Chair: Miriam Rutiaga | Chair: Pedro Aguilar | Chair: Gabriela Ortiz |
| 10:00-10:30 | Keynote lecture | Keynote lecture | Keynote lecture | Keynote lecture |
| **Lucilia Domingues** | **Mayra de la Torre** | **Maria Elvira Zuñiga** | **Nicolás Oscar Soto Cruz** |
| Universidade do Minho | Centro de Invest. en Alimentación y Desarrollo | Pontifícia Universidad Católica de Valparaíso | Instituto Tecnológico de Durango |
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| **PORTUGAL** | **MEXICO** | **CHILE** | **MEXICO** |
| 10:30-11:00 | Keynote lecture | Keynote lecture | Keynote lecture | Keynote lecture |
| **Antonio Costa** | **María Asunción Longo** | **Liliana Londoño** | **Raquel Aires-Barros** |
| Universidade Federal de Pelotas | Universidad de Vigo | Universidad Nacional Abierta y a Distancia | Universidade de Lisboa |
|
| **BRAZIL** | **SPAIN** | **COLOMBIA** | **PORTUGAL** |
| 11:00-11:15 | Coffee Break |
| 11:15-11:30 | ***Short Oral Iglesias-Mendoza, A.R. Universidad Autónoma de Chihuahua México*** | ***Short Oral Gutiérrez Cossio, A. Universidad del Valle Colombia*** | ***Short Oral Bamikale Micheal B. Universidad Autónoma de Coahuila México***  | ***Short Oral De La Rosa Esteban, A.K. Universidad Autónoma de Coahuila México*** |
| 11:30-11:45 | ***Short Oral Diaz, K. Universidad Autónoma de Chihuahua México*** | ***Short Oral Pichardo Sánchez, M.A. Universidad Autónoma Metropolitana México*** | ***Short Oral Coronado Contreras, S.A. Unversidad Autómoma de Coahuila México*** | ***Short Oral Aguirre Zapata, C. Universidad Nacional Autónoma de México México*** |
| 11:45-12:00 | ***Short Oral Hernández-Guisao, R.E. Instituo Politécnico Nacional México*** | ***Short Oral Vazquez-Vazquez, J.L. CIATEJ México*** | ***Short Oral Navia-Porras, D.P. Universidad de San Buenaventura Colombia*** | ***Short Oral Francisco, M. Universidad de Minho Portugal*** |
| 12:00-12:20 | ***Short Oral Rocha-Mendoza, M. A. Universidad de Guanajuato México*** | **Short Oral Ramírez-Esparza U. CIAD México** | **Short Oral Rodríguez-Martínez L.M. PIIT México** | Technical LectureAMECA A.C.Consejo Directivo de la AMECA  |
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| 12:20-14:30 | Lunch Time |
| 14:30-16:00 | Poster session |
| 16:00-17:30 | Round Table Sesion Chair / Dra. Martha Guerrero  |
| Collaborative Strategies for a Biotechnological Future - Biocluster Nuevo León |
| 17:30-18:00 | Cultural event |

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| **SEPTEMBER 6** |
| 9:00-10:00 | Plenary Lecture |
| **GUSTAVO ADOLFO GONZÁLEZ AGUILAR** |
| CENTRO DE INVESTIGACION EN ALIMENTACION Y DESARROLLO |
| Chair: José Antonio Teixeira |
| PLACE -> | **Room 1**Environmental Biotechnology | **Room 2**Frontiers in Biotechnology | **Room 3**Agricultural and Food Biotechnology |
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| Chair: Mariela Michel | Chair: Rafael Gómes | Chair: Oliverio Rodríguez |
| 10:00-10:30 | Keynote lecture | Keynote lecture | Keynote lecture |
| **Francisco Cervantes** | **Débora Campos** | **Ana Carmela Velázquez** |
| Universidad Nacional Autónoma de México | Universidade Católica Portuguesa | Universidad de Costa Rica |
|
| **MEXICO** | **PORTUGAL** | **COSTA RICA** |
| 10:30-11:00 | Keynote lecture | Keynote lecture | Keynote lecture |
| **Katiushka Arevalo Niño** | **Raúl Rodríguez** | **Anna Iliná** |
| Universidad Autónoma de Nuevo León | Universidad Autónoma de Coahuila | Universidad Autónoma de Coahuila |
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| **MEXICO** | **MEXICO** | **MEXICO** |
| 11:00-11:15 | Coffee Break |
| 11:15-11:30 | ***Short Oral Afonso, T.B. Universidad Católica Portuguesa Portugal*** | ***Short Oral González-Lozano, K.J. Universidad Autónoma de Nuevo León México*** | ***Short Oral Bautista-Hernández, I. Universidad Católica Portuguesa Portugal*** |
| 11:30-11:45 | ***Short Oral Nevárez-Moorillón, G.V. Universidad Autónoma de Chihuahua México*** | ***Short Oral Bamidele, M. O. Universidad Autónoma de Coahuila México***  | ***Short Oral Gómez-García, R. Universidad Católica Portuguesa Portugal*** |
| 11:45-12:00 | ***Short Oral Ramírez-Charles, G.B. Universidad Autónoma de Nuevo León México*** | ***Short Oral Parada-Fabián, J.C. Instituto Politécnico Nacional México*** | ***Short Oral Melo, A. Universidad Católica Portuguesa Portugal*** |
| 12:00-12:30 | Coffee Break |
| 12:30-14:00 | Round Table/ Chair Dr. Cristóbal N. Aguilar |
| Federación Iberoamericana de Biotecnología -Future of Biotechnology |
| 14:00-14:30 | Clossing ceremony |

**SHORT ORAL LECTURES INFORMATION**

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| **SEPTEMBER 4** |
| CODE | ROOM | TIME | AUTHORS | TITLE |
| BIOREF06 | 1 | 11:15-11:30 | *Carrales-Briones, J.R., Ruiz, H.A., Rodríguez-Jasso, R.M* | *Xylooligosaccharides derived from hemicellulose by fractionation of sugarcane bagasse using hydrothermal processing.* |
| BIOREF08 | 1 | 11:30-11:45 | *Pérez-Carrillo, E., Heredia-Olea, E., Vázquez-Rodríguez, B., Alamilla-Morales, A., Perez-Perez, D.A., Serna-Saldívar, S.O*  | *Blasting extrusion pretreatment of sweet sorghum bagasse for saccharification yield enhancement and fermentation using Pichia kudriavzevii for ethanol production.* |
| BIOREF02 | 1 | 11:45-12:00 | *Ruiz, D., Vásquez Gómez, R., Cardona Alzate, C. A., Villafán Vidales, H.I., Longoria, A.* | *Carotenoids and bioenergy co-products extraction from mixed microalgae culture.* |
| HEALTHBIO047 | 2 | 11:15-11:30 | *Gomes Araújo, R., Cordero Cruz, Y.M., Ortiz Cruz, G*  | *Validation of the AccXible screening and monitoring system for depression and anxiety in the community of the Autonomous University of Coahuila.* |
| HEALTHBIO024 | 2 | 11:30-11:45 | *Ana Sofia Sousa, Ezequiel R. Coscueta, Celso A. Reis and Manuela Pintado* | *Phenethyl Isothiocyanate from Watercress By-Products: A Novel Green Extraction and Its Potential Health Benefits.* |
| HEALTHBIO023 | 2 | 11:45-12:00 | *Vertti Cervantes B., Beltrán Perez G., García Juárez M., Delgado Macuil R.J* | *LPFG biosensor for IL-6 detection related to the ischemic process in a murine model.* |
| BB01 | 3 | 11:15-11:30 | *Alonso-Estrada, D.; Ochoa-Viñals N.; Ramos-González R.; Michelena-Álvarez G.; Martínez-Hernández J.L., Iliná A.*  | *Magnetic immobilization of Rhodotorula toruloides and reuse in consecutive fermentation cycles.* |
| BB07 | 3 | 11:30-11:45 | *López-Rodríguez, V., Medina-Morales, M.A., Ríos-González, L.J., Arredondo-Valdes, R., Sánchez-Robles, J.H., Antonio-Bautista, A.* | *Fungal bioprocess in solid state on tarbush (Flourensia cernua) to obtain extracts with bioherbicidal effect on model seeds and weeds.* |
| BB09 | 3 | 11:45-12:00 | *Teymennet-Ramírez, K.V., Barrera-Martínez, IC* | *Enzymatic modification of quercetin and caffeic acid by laccases.* |
| HEALTHBIO039 | 3 | 12:00-12:15 | *Adekanmi, D. G., Ortiz, B. C., Luévano-Martínez, C., González, R. R., Garcia C. R., Lopez-Badillo, C. M* | *Hydrothermal preparation of Selenium-doped carbonated hydroxyapatite with anticancer and antibacterial activity.* |

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| **SEPTEMBER 5** |
| CODE | ROOM | TIME | AUTHORS | TITLE |
| BIOSYS01 | 1 | 11:15-11:30 | *A.R. Iglesias-Mendoza, F.J. Choix, O.A. Palacios* | *Isolation of growth-promoting bacteria for microalgae present in cultures of Scenedesmus sp.* |
| BIOSYS02 | 1 | 11:30-11:45 | *Diaz, K., Contreras, C.A., Choix, F.J., Palacios, O.A.* | *Effect of bacteria ísolated from Scenedesmus sp. cultures on its growth under a biogas atmosphere.* |
| BIOSYS03 | 1 | 11:45-12:00 | *Hernández-Guisao, R.E., Velasco, A., Salgado-Manjarrez, E., Guerra-Blanco, P., García-Peña, E.I.* | *Gene Ontology analysis of the proteome of a natural photoheterotrophic consortium.* |
| INDBIOT04 | 2 | 11:15-11:30 | *Gutierrez Cossio, A., Bolívar Escobar, G. A., Ramírez Toro, C. M* | *Exploration of the potential of Rhizopus oryzae and Saccharomyces cerevisiae in aroma generation from blackberry and strawberry residues using solid fermentation.* |
| INDBIOT03 | 2 | 11:30-11:45 | *Pichardo Sánchez, M.A., Cázares Marinero, J.J., Alatorre Santamaría, S.A., Rodríguez Durán, L.V., Saucedo Castañeda, J.G* | *Effect of the components of the culture medium on the production of rhamnolipids produced by Burkholderia thailandensis.* |
| INDBIOT02 | 2 | 11:45-12:00 | *Vazquez-Vazquez, J.L., Barajas-Martínez, M., Barrera-Martínez, I.* | *Lipase production by Yarrowia lipolytica strain 14v: Optimization and Evaluation.* |
| AFB026 | 2 | 12:00-12:20 | *Ramírez-Esparza, U., Ochoa-Reyes, E., Baeza-Jiménez, R., Ascacio-Valdés, J. A., Buenrostro Figueroa, J. J.* | *Solid-state fermentation with Rhizopus oryzae and the evaluation of its effect on functional characteristics of pigmented corn* |
| BS02 | 3 | 11:15-11:30 | *Bamikale M. B., J. Sandoval-Cortés, J. E. Wong Paz , J. A. Ascacio Valdés, M. L. Chávez González, O. de la Rosa Flores, C. N. Aguilar*  | *Enhancing Procyanidin Extraction Efficiency from Coffee Pulp: A Comparative Investigation of Microwave, Ultrasound, and Hybrid Extraction Techniques.* |
| BS03 | 3 | 11:30-11:45 | *C. Contreras, S. A., Sepúlveda Torre, L., Barrera Martínez, C. L., Rodríguez Herrera, R., Morales Martínez, T. K.* | *Evaluation of bioactive compounds from prickly pear peel for the development of functional packaging in food.* |
| BS04 | 3 | 11:45-12:00 | *Navia-Porras, D.P., Poveda-Perdomo, L.G., Cuervo-Mulet, R.A., Esparza-Estrada, J.1., Hernández- Umaña, J.* | *Cassava starch-based films and rosemary essential oil: Antibacterial activity and physicochemical properties.* |
| HEALTHBIO049 | 3 | 12:00-12:20 | *Rodríguez-Martínez L. M., Chavelas-Reyes J. L., Medina-Ramírez C. F., Rodríguez-González J. G., Verdeja-García R.,Rodríguez-Martínez L. M.* | *Applying genomic biotechnology to molecular epidemiology, bioengineering with a social impact, using zoonosis as a case study.* |
| BIOPROC05 | MAIN | 11:15-11:30 | *De La Rosa Esteban, A.K., Sepúlveda, L., Chávez-González, M.L., Torres León, C., Aguilar, C.N., Ascacio-Valdés, J.A.* | *Valorization of Mexican rambutan eel through the recovery of ellagic acid by solid-state fermentation using a yeast.* |
| BIOPROC01 | MAIN | 11:30-11:45 | *Aguirre Zapata, C., Segura González D., Perez Bernal A., Díaz Barrera, A., Peña Malacara, C.* | *Effect of the absence of PhbP2 and PhbP3 phasins in the bacterial growth, production and molecular weight of P3HB in A. vinelandii.* |
| BIOPROC019 | MAIN | 11:45-12:00 | *Francisco, M., Freitas, L., Moura, C. D., Costa, C.E., Aguiar, T.Q., Domingues, L.* | *Establishing sustainable bioproduction of lactones from metabolic engineering of industrial cell factory systems: Ashbya gossypii.* |
| BIOPROC021 | 1 | 12:00-12:15 | *Rocha-Mendoza, M. A.; Robledo-Olivo, A2; Mares-Mares E.; Pacheco-López, N.; Ozuna C.* | *Standardization of the fermentation process of mesquite pod flour hydrolysates for the xylitol production.* |

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| **SEPTEMBER 6** |
| CODE | ROOM | TIME | AUTHORS | TITLE |
| ENVIRONBIO01 | 1 | 11:15-11:30 | *Afonso, T.B., Bonifácio-Lopes, T., Costa, E. M., Pintado, M.* | *Byproducts as sources of phenolic compounds for functional textiles.* |
| ENVIRONBIO07 | 1 | 11:30-11:45 | *Mesa-Ramos, L., Sardiña-Peña, A.J., Palacios, O.A., Adame-Gallegos, J.R., Chávez-Flores, D., Nevárez-Moorillón, G.V* | *Assessing the antimicrobial potential of actinobacteria isolated from an arid-tropical mangrove environment.* |
| ENVIRONBIO011 | 1 | 11:45-12:00 | *Ramírez-Charles, G.B., San Miguel-González, G.J., Alemán-Huerta, M.E., Martínez-Herrera R.E* | *Study and optimization of microbial bioplastics by a Bacillus strain using Taguchi method.* |
| FRONTBIO02 | 2 | 11:15-11:30 | *González-Lozano, K.J., Rutiaga-Quiñonez, O.M., Contreras-Ramos, S.M., Rodríguez-Campos, J., Aréchiga-Carvajal E.T* | *Endosymbiont engineering: Metabolic, transcriptomic and genomic analysis of aromatic compound production under nitrogen limitation in Kluyveromyces marxianus associated with an endosymbiotic bacterium.* |
| FRONTBIO04 | 2 | 11:30-11:45 | *Martingo, M., Baptista-Silva, S., Cruz, I., Pintado, M* | *The Heparin Revolution: Enzymatic Swine Liver Extraction for Next-Level Hemodialysis. Martingo, M., Baptista-Silva, S., Cruz, I., Pintado, M* |
| FRONTBIO01 | 2 | 11:45-12:00 | *Parada-Fabián, J.C., Méndez-Tenorio, A.* | *Integrating Artificial Intelligence in Protein Modeling: Advancements and Biotechnological Implications in Helicobacter pylori Research.* |
| AFB038 | 3 | 11:15-11:30 | *Bautista-Hernández, I., Gómez-García, R., Martínez-Ávila, G. C.G., Pintado-Estévez, M.M.* | *Unlocking microalgae residues potential: novel substrates for fungal solid-state fermentation towards functional and bioactive compounds development.* |
| AFB039 | 3 | 11:30-11:45 | *Gómez-García, R., Bautista-Hernández, I., Bellouche, D., Estévez-Pintado, M.M.* | *Unfolding the bioactive potential of microalgae biomasses through the development of an integrative processing model.* |
| AFB01 | 3 | 11:45-12:00 | *Melo, A., Sorathiya, K., Rodrigues, C., Paulico, L., Barracosa, R., Pintado, M.* | *Antimicrobial activity of potential essential oils to replace potassium sorbate in fruit preparations.* |

**POSTER SESSIONS INFORMATION**

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| **SEPTEMBER 4** |
| **CODE** | **AUTHORS** | **TITLE** |
| **HEALTHBIO01** | Alfaro-Jiménez, M.A., Medina-Morales, M.A., Ríos-González, L. J., Ascacio-Valdés, J. A., Sierra-Rivera, C.A | Antioxidant and antitumor activity of extract from Parthenium hysterophorus obtained by solid-state fermentation with Aspergillus niger |
| **BS01** | Bamidele, M. A, Cortés, J. S, Torre, L.S, Ascacio J.A, Chávez, M.L, Rosa, O. and Aguilar CN | Ultrasound Assisted Extraction and Characterization of Polyphenolic compounds from Coffee Residues  |
| **BIOREF01** | Barboza-Rodríguez, R., Ruiz, H.A., Rodríguez-Jasso, R.M | Evaluation of S. platensis growth in a pilot-scale open photobioreactor to promote biocompounds of interest |
| **INDBIOT01** | Hernández-Fernández M.E., García- Gutiérrez Karina, Olicón-Hernández R.D., Guerra-Sanchez G | Characterization of extremotolerant filamentous fungi with chitosanolytic activity isolated from arid environment |
| **ENVIRONBIO02** | Alonso, K. A., Palacios, O. A., Nevárez, V. G., Romero, B. E., Ramos, J. R., Choix, F. J | Characterization of the metabolic activity of the microalgae Scenedesmus spp. interacting with the bacterium Azospirillum brasilense Cd under a biogas atmosphere |
| **BIOPROC02** | Ascacio-Valdés, A., Dávila-Medina, M. D, Barrera-Martínez, C. L., Ascacio-Valdés, J. A, Sepúlveda, L | Physicochemical Characterization of Creosote Bush (Larrea tridentata)  |
| **HEALTHBIO02** | Alma Danitza Casas-Rodriguez, Leonardo Sepúlveda-Torre, Liliana Londoño-Hernández, Juan Alberto Ascacio-Valdés, Miriam Desirée Davila-Medina. | Evaluation of solid-state fermentation conditions from pineapple waste (Ananas comosus L.) by Aspergillus niger spp., for the release of polyphenols |
| **AFB02** | Melo, A., Lopes, A. I., Barros, L., Tavaria, F., Pintado, M. | Development and bioactive potential of films from plant residue enriched with eucalyptus extract and oregano essential oil |
| **AFB03** | Agustín-Chávez, M.C., Ochoa-Reyes, E., Tafolla-Arellano, J.C., Buenrostro-Figueroa, J.J. | Solid-State Fermentation with Saccharomyces cerevisiae and Its Effect on Phenolic Content and Antioxidant Capacity of Blue Corn |
| **BIOPROC03** | Dulce Y. Arenas-Olivares, Zuleima Alpizar-Dávila, Jimena V. Moore-García, Karla V. Teymennet-Ramírez, Marisol Bravo-Figarola, Daniel Morales-Guzmán, Miguel Alcalde, Fernando Martínez-Morales, María R. Trejo-Hernández | Study of medium composition for laccase production by yeast surface display  |
| **BB03** | Barrera-Martínez I., Cerón-Camacho R., Ortiz-Cadena R.C | Quercetin modification using a laccase from Trametes sanguineus |
| **HEALTHBIO03** | Berlanga, L.A., Aguayo, H., Tamayo, M., Rodriguez, M., Cobos L. | Analysis of the crosstalk between Nischarin and Insulin in a breast cancer cell model: role of IRS-1 |
| **ENVIRONBIO03** | Valenzuela-Carrizalez, M. G., Casique-Valdés, R., González-Morales, S | Isolation of endophytes and ectomycorrhizal fungi from Pinus cembroides roots |
| **BIOREF03** | Ezekiel O. Faluyi, Rosa M. Rodríguez-Jasso, Héctor A. Ruiz | Impact of autohydrolysis processing on sugarcane bagasse |
| **FRONTBIO03** | González-Lozano, K.J., Hernández-González, J.J., Rutiaga-Quiñonez, O.M., Aréchiga-Carvajal E.T. | Endosymbiont engineering: strategy for detection, description and exploration of endosymbiotic bacteria in yeast |
| **AFB04** | Ballesteros Zúñiga B.A., Parada Fabián J.C.. Alvárez Contreras, A. K., Hernández Robles, M. F., Natividad Bonifacio, I., Quiñones Ramírez E. I., Vazquez Quiñones, C.R. & Vázquez Salinas, C.  | DEVELOPMENT OF AN ASSAY FOR THE DETECTION OF THE BACILLUS CEREUS CEREULIDE TOXIN IN FOOD RICH IN STARCH |
| **HEALTHBIO04** | Bracamontes, F., Muñiz, D., Reyes, A., Cariño, R | Physicochemical characterization and evaluation of the antioxidant potential of tunite extracts (Opuntia cochenillifera) |
| **BB04** | Campos-Valdez A., Sinisterra-Sierra C., Barrera-Martínez I., Robles Machuca M., Casas Godoy L. | Lipase/esterase activity of bacteria isolated from soils contaminated with polypropylene  |
| **BIOPROC04** | Chacón-Hernández, A.V., Choix-Ley, F.J., Palacios-López, O.A., Espinoza-Hicks, J.C | Biomarkers identification of Scendesmus sp. as a response to a biogas atmosphere: a way of biogas bioremediation |
| **ENVIRONBIO04** | Alvarez, L.F., Ramos, J. R., Palacios, O. A., Nevarez, G. V., Choix, F. J. | Optimization of culture conditions for biogas valorization as carbon source by the microalga Chlorella native of río Conchos-Chihuahua |
| **BIOREF04** | Machado-Cepeda, S., Rodríguez-Jasso, R.M., Cid-Ibarra, G, De León-Zapata, M.Á., Lora-Vilchis, C., Murugan, G, Ruiz, H.A | Endemic microalgae from the regions of Coahuila for use within the biorefinery concept |
| **BIOREF05** | Aguilar-Coronado, J., Ruiz, H.A., Rodríguez-Jasso, R.M. | Hydrothermal pretreatment of panicum virgatum to enhance an enzymatic hydrolysis |
| **AFB05** | Becerra-Reyes V., Méndez-González, F., Ochoa-Reyes, E., Aguilar-Zárate, P., Buenrostro Figueroa, J. | Production of Trichoderma harzianum Spores Via Solid-State Culture Using Peanut Shell as Substrate |
| **BB05** | Casas Godoy, L., Sinisterra Sierra, C., Campos Valdez, A., Barrera-Martínez, I., Kirchmayr, M., Robles Machuca, M.M. | Cutinase activity of microorganisms isolated from PET contaminated soils in Mazamitla  |
| **HEALTHBIO05** | Castillo Tobías, I., Cobos Puc, L., Oyervidez Muñoz, E., Claudio Rizo, J. A., Aguayo Morales, H., Rodríguez Salazar M. C. y Silva Belmares S. Y. | Analysis and Assessment of the Biological Activity of the TA-PAsp Polymer |
| **FRONTBIO05** | Castro, M. L., Borges, S., Rosa, A., Almeida, A., Pintado, M. | Alternative high-quality protein ingredients as key nitrogen source for probiotics  |
| **ENVIRONBIO05** | Cordero-Soto, I.N., Terrazas-Luévanos, C.D., Martínez-Herrera R.E., Gallegos-Infante A., González-Herrera S.M., Rutiaga-Quiñones, O.M. | Agave by-products as a source of polyhydroxybutyrate |
| **INDBIOT05** | Hernández-Cárdenas, J., Rivera Gallegos, E.G., Ayala Nieto, S.G., Hernández Alonso, J.U., Pichardo-Sánchez, M.A., Rodríguez-Durán, L.V | Effect of carbon and nitrogen source on the production of polyhydroxyacanoates by Burkholderia thailandensis  |
| **AFB06** | Cano-González, C. N., Soriano-Melgar, L. A. A., Rodríguez-Herrera, R., Contreras-Esquivel, J. C., Aguilar González, C. N, Ascacio-Valdes, J. A., Aguirre-Loredo, R. Y. | Extraction of flavonoids from grape waste with potential antihyperglycemic activity in silico |
| **HEALTHBIO06** | Cedillo Andrade, A.P.,Colmenero Solís, R.,, Alvarez Contreras, A.K. | Antimicrobial effect of Capsicum annum on pathogens causing foodborne diseases |
| **BIOPROC06** | De la Torre-Juárez, N.M., Ochoa-Reyes, E., Alvarado-González, S.M., Buenrostro-Figueroa J.J | Bioprocessing of Caesalpinia coriaria pods to obtain bioactive phenolic compounds |
| **BB06** | Karla A. Luna, Cristóbal N. Aguilar, N. Ramírez-Guzman, H.A. Ruiz, L.M. Hernández., Mónica. L Chávez-González  | Biotransformation of spent coffee grounds waste through optimization of solid-state fermentation to obtain polyphenols |
| **FRONTBIO06** | Valdez-Rodríguez, D.M., González-Lozano, K.J., Rutiaga-Quiñonez, O.M., Aréchiga-Carvajal E.T | Endosymbiont engineering: isolation, sequencing, genomic exploration and biotechnological bioprospecting of a yeast endosymbiotic bacterium |
| **BIOREF07** | Mendoza-Nerio, A.L., Rodríguez Jasso, R.M., Ruíz, H.A., Loredo Treviño, A., Morales Oyervides, L | Evaluation of alternative medium for microalgae growth |
| **AFB07** | Tucuch-Pérez, M.A., Castillo-Manzanares, A., Laredo-Alcalá E.I., Anguiano-Cabello, J.C., Barrera-Martinez, C.L., Anna Iliná, Ledezma-Pérez A.S., Arredondo-Valdes, R. | Herbicidal activity of micro and nano encapsulated microbial metabolites from phytopathogenic organisms and plant extracts on the growth of Sorghum bicolor and Phaseolus vulgaris and their potential in weed control |
| **HEALTHBIO07** | Cordero Cruz, Y.M., Ortiz Cruz, G., Gomes Araújo, R | Vocal Biomarkers for detection and monitoring of emotional state |
| **BIOPROC07** | Hernández-Alonso J.U., Pichardo-Sánchez M.A., Huerta-Ochoa S., Rodríguez-Duran L.V., Prado-Barragán L.A | Impact of co-substrates on the production of poly (3-hydroxybutyrate-co-3-hydroxyvalerate hydroxy valerate) by Burkholderia thailandensis E264 |
| **AFB08** | Cruz-Casas, D.C., Ramos-González, R., Prado-Barragán, L.A., Aguilar, C.N., Rodriguez-Herrera, R., Iliná, A., Flores-Gallegos, A.C | Encapsulation of amaranth protein hydrolysates with ACE-I inhibitory activity: characterization, stability, and influence on bioactive properties |
| **HEALTHBIO08** | Govea Salas, M., Rodríguez Salazar, M. C., Arredondo Valdés, R., Segura Ceniceros, E.P., Iliná, A., Rodríguez Jasso, R.M. , Aguilar González, C.N., Loredo Treviño, A., Dávila Medina, M.D., Gomes Araújo, R | Effect from Mexican avocado peel and seed phenolic extracts on breast cancer cells in vitro |
| **BIOPROC08** | Moleiro, P., Branco, L. C., Pedro, A. Q., Tavares, A. P., Freire, M. G | Sustainable technology for protein extraction from Tenebrio molitor flour |
| **BB08** | Nayra Ochoa Viñals, Dania Alonso Estrada, Rodolfo Ramos González, Rebeca Betancourt Galindo, Anna Ilina | Hyperthermia in Rhodotorula toruloides using manganese ferrite nanoparticles (MnFe2O4) |
| **ENVIRONBIO08** | Romero, Y.G., Pacheco, E., Choix, F.J., Lopez, B.R., Palacios, O.A. | Biogas produces changes in metabolic diversity of bacterial associated to Scenedesmus sp. affecting thus the behavior of microalgal cultures |
| **AFB09** | Banda Cerda, J., Zapata Méndez, J.M., Dávila Medina M.D | Evaluation of Different Carbon Sources on the Growth Kinetics of Bacillus subtilis as a Biofertilizer |
| **HEALTHBIO09** | Hernandez Poblano, J., Cobos Puc, L., Aguayo Morales, H., Tamayo Ordoñez, M., Rodríguez Salazar, M., Silva Belmares, S. | Evaluation of the effect of metformin on learning and long-term memory in type 2 diabetic mice |
| **BIOPROC09** | Ordoñez Cano, A. J., Ochoa-Reyes, E., Alvarado González, S. M., Baeza Jiménez, R., Sepúlveda Torre, L., Buenrostro Figueroa, J | Phenolic content and antioxidant capacity from pistachio green hull subjected to solid-state fermentation |
| **ENVIRONBIO09** | Palmerín Carreño, D. M., Pérez Vega, K.D., Tapia Guerrero J., Leyva Osorio, M. F., Hernández Fernández V., Delgado Macotela, S. E., Méndez Tovar, M | Design and construction of an electrochemical cell: quantification of hydrocarbons in contaminated soils |
| **BIOREF09** | Vargas Navarro, L. Y., Ruiz Leza, H., Rodríguez Jasso, R | Enzymatic Hydrolysis using Populous Grandidentata as a Biomass to Produce Fermentable Sugars |
| **AFB010** | De Jesús-Hernández, A.C., Delgado-Macuil, R.J., Ruiz-Espinosa, H., Amador-Espejo, G.G | Monitoring cis configurations in canola oil (Brassica napus L.) when bleached using high-power ultrasound |
| **HEALTHBIO010** | Lárraga M.A., Reyes M.A., Wong J.E., Ascasio J.A. | Phytochemical and antioxidant determination of bioactive compounds present in purple maguey leaves (Rhoeo discolor)  |
| **BIOPROC010** | Palmerín Carreño, D. M., López Martínez F. J., García Gasca, T., Valle Pacheco M | Economical production of Pichia pastoris single cell protein from glycerine at pilot scale |
| **BB010** | Usme Duque, L.K., Claudio Rizo, J.A., Nuncio Esquivel, J.A., Ascacio Valdés, J.A., Ríos González, L.J., Medina Morales, M.A. | Bioactive properties of Flourensia cernua extracts through solid state fermentation by Aspergillus niger, a biotechnological approach |
| **BB011** | Corral Guerrero, I.A., Esparza Perusquia, M.M, Sierra Campos, E, Valdez Solana, M.A, Hernández Beltran, J.U, Luevanos Escareño, M.P, Hernández Almanza, A.Y, Balagurusamy, N | Spatial variations of β-etherase and phloroglucinol pathway enzymes in a lagoon type anaerobic biodigester fed with cattle manure |
| **AFB011** | Abril del Razo Enriquez, Cristóbal N. Aguilar, Olga Berenice Alvarez, Juan Alberto Ascacio Valdés, Roberto Arredondo, Mayela Govea, José G. Ontiveros, Miguel Ángel Aguilar | Insecticidal Effect of Pseudomonas entomophila on the Model Insect Galleria mellonella (Order: Lepidoptera) |
| **HEALTHBIO011** | Alejandra Nicolás Cruz, Mirna Estarrón Espinosa, Jesús Carlos Ruiz Suárez, Estefania Lazcano Díaz | In vitro biological evaluation of Syzygium aromaticum essential oil and their major compounds against Trypanosoma cruzi epimastigotes |
| **BIOPROC011** | Pérez Bernal, A, Peña, C, Díaz-Barrera, A | Influence of agitation rate on the 3HV composition of poly (3–hydroxybutyrate–co–3–hydroxyvalerate) copolymer in continuous cultures of Azotobacter vinelandii OP |
| **AFB012** | González Martínez, D.W., Sepúlveda Torre, L., Ascacio Valdés, J.A., Flores Gallegos, A.C., Flores Naveda, A | Extraction of Bioactive Compounds Present in Black Beans (Phaseolus vulgaris L.) Using Solid-state Fermentation |
| **HEALTHBIO012** | Loaeza Cruz B.S., Quiñones Ramírez E.I., Álvarez Contreras A.K., Parada Fabián J.C., Natividad Bonifacio I., Hernández Robles M.F., Vázquez Salinas C. y Vázquez Quiñones C.R | Assessment of Bacillus cereus from food samples: Prevalence, Toxigenic Profile and Antibiotic resistance response |
| **BIOPROC012** | Ponce, B., Díaz-Barrera, A | Alginate production and transcription levels of alginate lyases to different agitation rates in Azotobacter vinelandii cultures |
| **ENVIRONBIO012** | Romero Rodríguez, S. A. | Screening of epibiont and endobiont bacteria and fungi producers of ACC desaminases and potassium solubilizing associated with Ulva lactuca of the Colombian Caribbean |
| **AFB013** | Gonzalez-Urquizo, V., Leopoldo-Ríos L. J., Barrera-Martínez C. L., Cabrera-Munguía D. A.; Anguiano-Cabello, J. C., Laredo-Alcalá E. I., Arredondo-Valdés R. | Isolation and Identification of IAA-Producing Microorganisms from Coahuila for Sustainable Agriculture |
| **AFB014** | Hernández Espinosa, Álvarez Contreras, Natividad Bonifacio, Vázquez Salinas, Quiñones Ramírez | Antimicrobial properties and microbial dynamics of kombucha |
| **HEALTHBIO013** | Macías Martín, D. A., Barrera Martínez I. C., Flores Hernández F. Y., Cerón Camacho R., García García M. R | In vitro anticancer activity of enzymatically modified quercetin on HeLa and MCF7 human cancer cells. |
| **BIOPROC013** | Ramírez-Esparza, U., Méndez-González, F., Ascacio-Valdés, J. A., Buenrostro Figueroa, J. J. | Respirometric analysis of solid-state fermentation with Rhizopus oryzae using pigmented corn as substrate in tray bioreactor |
| **ENVIRONBIO013** | Rosas-Galván, NS., Trejo-Hernández, MR., Martínez-Morales, F | Characterization of a marine bacterial lytic polysaccharide monooxygenase (LPMO) |
| **HEALTHBIO014** | Marcos Francisco Hernández-Robles, Elsa Irma Quiñones-Ramírez, Carlos Vázquez-Salinas | Evaluation of the Loop-amplification method using bentonite-activated carbon to improve the detection of Vibrio mimicus in oyster samples |
| **BIOPROC014** | Brianda Andrea Rivera-Rivero, Moisés Couder-García, Gerardo A. Gómez-Ramos, Arely Prado Barragán, Sergio Huerta-Ochoa, Carlos O. Castillo-Araiza (COCA) | Sensitivity analysis to evaluate transport phenomena of a solid-state fermentation packed bed bioreactor for protease production using agro-industrial wastes. |
| **ENVIRONBIO014** | Sánchez-Escareño F., Reyes A.G., Velázquez-Lizarraga A.E., Médina-Morales M.A | Temporal Interplay of Microbial Diversity and Phytochemical Accumulation in Agave lechuguilla guishe Juice |
| **BIOPROC015** | Avila López, M.A, Hernández Terán, F., Ramírez Guzmán, K.N., Balagurusamy, N. and Hernández Almanza A. Y | Isolation and molecular identification of fatty acids-producing microorganisms |
| **HEALTHBIO015** | Neftiti Carolina Cerda-Alvarez, Sendar Daniel Nery-Flores, Lizeth Guadalupe Campos Muzquiz, Lissethe Palomo Ligas, Mayela Govea Salas, Sonia Yesenia Silva Belmares, Adriana Carolina Flores Gallegos, Raúl Rodríguez Herrera | Physicochemical and proximate characterization of aguamiel from the species Agave salmiana and Agave atrovirens for the subsequent evaluation of its hypoglycemic effect in a type 2 diabetes-induced murine model |
| **AFB015** | Luiz-Santos, N., Morales-Landa, J. L., Lazcano-Díaz, E., Escamilla-García E., Pérez-De la Rosa, A. G. | Metabolism of prebiotic bacterial on different sugar |
| **ENVIRONBIO015** | Gárate-Osuna, A.J.; Valdez-Ortiz, A.; Font-Segura, X. ; Barrena, R. ; Abo Markeb A.M.A. Santos-Ballardo, D.U. | Potential of Nannochloropsis oculata biomass for obtention of nanomaterials: comparison of residual defatted biomass grown at different temperatures |
| **BIOPROC016** | Aguilar González M. A, Aguilar C. N, Zaldivar Cadena A.A | New methodologies for the characterization of materials from bioengineering and/or bioprocesses |
| **AFB016** | Castro, L.M.G., Silva, Sara, Ema, Dias, Pintado, M | Breakfast Cereals: Insights into Market Variety and Potential Innovation |
| **HEALTHBIO016** | Onofre Rentería, K., Cobos Puc, L. E., Zugasti Cruz, A., Enríquez Medrano, F. J., Silva Belmares, S. Y., Oyervides Muñoz, E | Anticancer and Antibacterial Properties of Novel Xanthan gum Derivatives |
| **ENVIRONBIO016** | Gárate-Osuna, A.J.; Valdez-Ortiz, A.; Font-Segura, X.; Barrena, R.; Abo Markeb A.M.A; Santos-Ballardo, D.U. | Dunaliella tertiolecta biomass as resource for iron and silver nanoparticles synthesis |
| **BIOPROC017** | Cervantes-Lavín, L.N., Ceballos-Medina, J., Rocha-Pizaña. M.R., Mata-Gómez, M. A | Production and purification of a protein fragment A from recombinant E. coli as a potential ligand for the purification of monoclonal antibodies  |
| **ENVIRONBIO017** | Antonio-Reyes, M.C., Ruíz-Velasco, R.J., Torres-Martínez, J.J., Lafuente-Rincón, D.F | Assessment of arsenic removal in water treatment using Pediastrum boryanum microalgae |
| **AFB017** | Mares Ledesma, S., Araujo-Meza, M.M., Acosta-García, G., Medina, H.R | Characterization of genes involved in development and response to abiotic factors in Capsicum annuum |
| **HEALTHBIO017** | Rodríguez Amaya Tania Milena, Cobos Puc Luis Enrique, Silva Belmares Sonia Yesenia, Zugasti Cruz Alejandro, Enríquez Medrano Francisco Javier, Oyervides Muñoz Ernesto | Modification of nopal pectin to give it antibacterial, anticancer and biocompatibility properties |
| **BIOPROC018** | Cervantes-Lavín, L.N.1\*, Ceballos-Medina, J.1, Rocha-Pizaña. M.R. 1, Mata-Gómez, M. A | Production of a recombinant protein A fragment as a potential ligand for affinity chromatography  |
| **ENVIRONBIO018** | González Rodríguez, C., Morales Martínez, T.K., Ríos González, L.J., Contreras-Esquivel, J.C., Morales-Medina, M.A. | Physicochemical characterization of Agave lechuguilla: guishe and cogollo |
| **AFB018** | Marquez Montes, R., Ramos Montejo O, Castellanos Marquez M. A | Aplicación de técnicas de conservación a alimentos no convencionales, una alternativa para la alimentación |
| **HEALTHBIO018** | Solís Arévalo, K. K., Galán Wong, L. J., Solís Rojas, C., Arévalo Niño, K. | Gentamicin-loaded electrospun membranes based on Kefiran and Schizophyllan for application in biomedicine |
| **HEALTHBIO019** | García–Soto C. J., Chavelas-Reyes J. L., Medina-Ramírez C. F., Verdeja-García R., Rodríguez–González J.G. Rodríguez–Martínez L.M. | From nature to the laboratory: meta-analysis of spider silk as a biomaterial with potential for high societal impact resulting from synthetic biology and bioprocess engineering |
| **AFB019** | Estrella Rodríguez, D. M., Tovar Castro, L. M. Z., Martínez Ruiz, J. A | Production of invertase with Neurospora crassa FGS#9717 by solid state culture without inducers |
| **HEALTHBIO036** | Julián Flores A., Michel Michel, M.R., Martínez Ávila, G.C.G., Rojas Molina, R., Perales Rosas, D., Chávez González, M.L., Aguilar Zárate P.  | Inhibition of α-Amylase Activity by Polyphenols Obtained from Mexican Medicinal Plants |
| **ENVIRONBIO019** | Adame-Martínez, A. E., Gutiérrez-Zacarías, T. M., Martínez-Hernández, D., Amezquita-Garcia, H. J., Valenzuela-Reyes,E. I., Rios-Del Toro, E. Emilia  | Bioprospecting of Chemolithotrophic Microorganisms in Baños San Ignacio Natural Reserve |
| **ENVIRONBIO07** | Contreras, C.A.1, Palacios, O.A.1\*, de-Bashan, L.E.2, Choix, F.J | Enriched PHB *Azospirillum brasilense* cells improve their maintenance and growth promoting effect on *Chlorella sorokiniana* cultures growing under biogas atmosphere |

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| **SEPTEMBER 5** |
| **CODE** | **AUTHORS** | **TITLE** |
| **BIOPROC020** | Lemus-García, B.A., Butrón-García, A.P., Lafuente-Rincón, D.F., Torres-Martinez,J.J | Enhancing C. vulgaris biomass production via spend coffe grounds hydrolisates |
| **ENVIRONBIO020** | Benavides-García, P., Martínez-Olivas, M.A., Correa-Oviedo, C.D., Cruz-Alvizo E., De la Torre-Zavala, S | Genomic characterization of some polyextremotolerant Actinomycetal isolates from Cuatro Ciénegas basin, Coahuila |
| **AFB020** | Molina Valdés, G.B., Parada Fabián, J.C., Vázquez Quiñones, C.R, Quiñones Ramírez, E.I., Natividad Bonifacio, I., Hernández Robles M.F, Vázquez Salina, C., Alvarez Contreras, A.K | Isolation of microorganisms with probiotic potential and evaluation of the antimicrobial activity of Mother of Vinegar against pathogens causing ATE |
| **HEALTHBIO020** | Torres-Lomas, P.1, García-Ortega, LF., García-Hernandez, A., Galván-Tejada, CE., Celaya-Padilla, JM., Mauricio-González, A | A Machine Learning Approach For Predicting Antibiotic Resistance in Escherichia coli  |
| **AFB021** | V. Navarro-Macias, O. B. Alvarez-Pérez, E. Laredo-Alcalá, R. Arredondo-Valdés | Herbicide potential of compounds produced by P. putida in a liquid culture system |
| **ENVIRONBIO021** | Andrea G. Valero-Mendoza, Alberto Nuncio, Marisol Cruz-Requena, Leopoldo J. Ríos-González, Juan A. Ascacio-Valdés, Miguel A. Medina-Morales | Valorization of tarbush leaves (Flourensia cernua) for the accumulation of biomolecules through ultrasound-assisted extraction and its antioxidant activity |
| **HEALTHBIO021** | Vázquez-Quiñones C. R., Natividad-Bonifacio I., Hernández-Robles M. F., Álvarez-Contreras A. K., Parada-Fabian J. C., Quiñones-Ramírez E. I., and Vázquez-Salinas C | Presence of Salmonella sp in foodstuffs of popular consumption in mexico city |
| **AFB022** | Pérez Turcio, I., Ortiz Deleón, A.M., Vernon Carter, E.J., Román Guerrero, A | Influence of ultrasound on the physicochemical properties of coacervates complexes isolated pea protein-citrus pectin |
| **ENVIRONBIO022** | Páez Maldonado, A. K., González Rojas, J.I., Guzmán Velazco, A., Loredo Tovias, M., Rico Rodriguez, M., Sepulveda Saa, R., Puente Luna, L.I., Arce Martínez, M. D | Genotoxicidad producida por Al, Mn, Fe, Zn, Br y Sr procedentes de la contaminación industrial depositados en árboles de encino (quercus ssp.)  |
| **BIOPROC022** | Rodríguez Hernández, M. R., Reyes Acosta, A. V., Corona Reyes, K. K., Reyes Acosta, Y. K | Formation of a PLA biofilm by adding pecan shell previously treated with cold plasma |
| **HEALTHBIO022** | Vázquez-Quiñones C. R., Hernández-Robles M. F., Álvarez-Contreras A. K., Parada-Fabian J. C., Natividad-Bonifacio I., Quiñones-Ramírez E. I., and Vázquez-Salinas C | Microbiological quality on ready-to-eat salads in Mexico city |
| **ENVIRONBIO023** | Gracia-Rodríguez, C., Lopez-Ortiz, C., Nimmakayala, P., Reddy, U. Luévanos, M., Hernández, A., Hernández, U., Balagurusamy, N | Regulatory mechanisms of ASRF gene in the mitigation of arsenic stress in Arabidopsis thaliana. |
| **AFB023** | Salgado-Castillo, S.N., Juarez-Ramírez, A., Perez-Cruz, J.A., Soriano-Santos, J | Comparative Study of Melanins Obtained from Banana Peel and Pulp |
| **ENVIRONBIO024** | Ana Karen Hernández González, Erika Flores Loyola, David Francisco Lafuente Rincón , Agustina Ramírez Moreno, Javier Ulises Hernández Beltrán, Magdalena Galindo Guzmán  | Peroxidase from agroindustrial waste for biosensor used in the detection of phenolic compounds |
| **AFB024** | Juarez-Ramírez, A., Salgado-Castillo, S.N., Perez-Cruz, J.A., Soriano-Santos, J | Comparative Study of the Antioxidant Activity of Melanins Obtained from Edible Mushrooms |
| **HEALTHBIO025** | Rendón-Benjumea, A. E., Belmares R. E., Ruiz-Leza H.A., Rodríguez-Jasso R. M., Loredo-Treviño A., Cruz-Hernández M. A. | Evaluation of the Adhesion of Levillactobacillus brevis and Lactiplatilbacillus rhamnosus to Caco-2 Cells: Probiotic Potential and Future Study in Murine Models of Depression |
| **AFB025** | Ramírez Valdespino, C.A., García Mireles, E., Vázquez Ramírez, A., Roman Aguirre, M., Quijano Arteaga M.J., Sánchez Domínguez, M | Role of TiO2 nanoparticles on the biocontrol activity of Trichoderma species |
| **HEALTHBIO026** | Bracamontes, F., Muñiz, D., Reyes, A., Cariño, R | Physicochemical characterization and evaluation of the antioxidant potential of tunite extracts (Opuntia cochenillifera) |
| **HEALTHBIO027** | Cárdenas Hernández, E., Chávez González, M. L., Matos Ximenes, R., Torres León, C., Ascacio Valdes, J. A., Martínez Hernández, J. L., Aguilar González, C. N. | Mexican mango seed: Research for its use as a nutraceutical. |
| **AFB027** | Rendón-Benjumea, A. E., Belmares R. E., Ruiz-Leza H.A., Rodríguez-Jasso R. M., Loredo-Treviño A., Cruz-Hernández M. A. | Utilization of high-impact agro-industrial residues nationwide for cultivating lion's mane mushroom (Hericium erinaceus) with nutraceutical properties |
| **HEALTHBIO028** | Mejía-Nuñez, P.G., Charles-Rodríguez, A.V., Dávila-Rangel, I. E., Flores-López M.L., Robledo-Olivo A. | Antimicrobial potential of Eysenshartia texana: a medicinal plant from arid zone of Mexico |
| **AFB028** | Rojo-Gutiérrez, E., López-Martínez, L.X., Tirado-Gallegos, J.M., Buenrostro-Figueroa, J.J., Baeza-Jiménez, R. | Fortification of blue maize tortilla with ayocote and quelite: Exploring underutilized vegetables potential for enhanced nutritional value and health benefits |
| **HEALTHBIO029** | Chavarria Bencomo I. V., De Luna Santillan E. J., Espino Solís G. P., Adame Gallegos J. A., Nevárez Moorillón G. V. | Prospective study of tick-borne bacteria of clinical interest in locations of Chihuahua, Mexico. |
| **AFB029** | Romo, J., Belmares, R.E., Chávez, M.L., Rodríguez, R.M., Lozano, S., Govea, M., Loredo, A. | The effects of bioactive compounds extracted from Cucumis melo var. cantalupensis seeds and pulp on metabolic disorders |
| **AFB030** | Brian Picazo, Roberto Arredondo-Valdés, Olga Berenice Álvarez-Pérez, Juan Alberto Ascacio-Valdés, Anna Iliná | Carbon source increases Bacillus amyloliquefaciens antifungal activity against postharvest phytopathogenic fungi |
| **HEALTHBIO030** | Correa Oviedo, C. D., Corona García, J. M., De la Torre Zavala, S | Biosynthetic Potential of Extreme-Tolerant Actinobacteria from Cuatro Ciénegas, Coahuila for Antimicrobial Compounds against Drug-Resistant Clinical Isolates |
| **HEALTHBIO031** | Luiz-Santos, N., Morales-Landa, J.L., Pérez-De la Rosa A.G., García-Fajardo, J.A., Escamilla-García, E | Stimulation in the growth of Lactobacillus reuteri by enriching the MRS culture medium with different prebiotic substrates |
| **AFB031** | Sifuentes Martínez, O., Laredo Alcalá, E. I., Tucuch Pérez, M. A., Nery Flores, S. D., Barrera Martínez, C. L., Govea Salas, M., Anguiano Cabello, J. C., Arredondo Valdés, R. | Evaluation of the in vivo antagonistic activity of secondary metabolites of Trichoderma spp. against Fusarium oxysporum f. sp. lycopersici in tomato (Solanum lycopersicum) plants. |
| **HEALTHBIO032** | Bosede Ruth Faleye, Adriana Carolina F. Gallegos, Juan Alberto Ascacio Valdes, Sonia Yesenia S. Belmares, Sendar Daniel N. Flores, Sandra Cecilia E. González, Lizeth Guadalupe C. Muzquiz, Raúl Rodríguez Herrera | Nutritional and techno-functional properties of Ferocactus Pilosus inflorescence |
| **AFB032** | Soto-Maldonado, C., Fuentes – Viveros, L., Olivares-Miralles, A., Cárdenas-Fehrenberg, F., Rojas-Hidalgo, F., Aracibia-Antichivichi, B., Zúñiga – Hansen, M.E  | Nutritional and functional characteristics of beer bagasse as a potential food ingredient  |
| **HEALTHBIO033** | Julián Flores, A., Aguilar Zárate P., Aguilar González, C. N., Michel Michel, M.R., Sepúlveda Torre, L., Torres León, C., Chávez González, M.L | Medicinal plants from the Mexican semi-desert that promote intestinal health: proximal and phytochemical characterization |
| **AFB033** | Torres-Valdez, A. Y., Ledezma-Pérez A. S., Martínez-Barrera C. L., Arredondo-Valdés R., Laredo-Alcalá E. I. | Biopolymeric micro-nano systems loaded with phytohormones of microbial origin to control water stress. |
| **HEALTHBIO034** | Márquez-Rangel, I., Cruz, M., Ruiz-Leza, H.A., Loredo-Treviño, A., Rodríguez-Jasso, R.M., Belmares, R | Prebiotic and antioxidant potential of Agave salmiana waste |
| **AFB034** | Flores Pacheco, C. E., Martínez Ruiz, J. A., Tovar Castro, L. M. Z | Invertase production by Aspergillus brasiliensis ATCC 9642 in solid-state culture with stout beer residues |
| **HEALTHBIO035** | Martha I. Mayorga-Flores, Jorge E. Wong-Paz, Teresinha Goncalves da Silva, Jose Rivaldo da Lima, Juan A. Ascacio-Valdes, Leonardo Sepulveda, Jose Sandoval and Cristobal N. Aguilar | Anticancer activity of fermented lychee peel |
| **AFB035** | Quiroz Godínez, R., Martínez Ruiz, J. A., Tovar Castro, L. M. Z | Invertase production by Aspergillus brasiliensis with lager beer residues in solid state fermentation |
| **AFB036** | Ur-Mora. D., Bárzana-García. E., Hernández-Meléndez. O | Use of High Moisture Extrusion Cooking (HMEC) technology to obtain plant-based protein meat analogues |
| **HEALTHBIO037** | Moreno Bello, L.T., Molina Valdéz, G.B., Loaeza Cruz, B.S., Parada Fabian, J.C., Álvarez Contreras, A.K | Enumeration of total and fecal coliforms in beverages marketed in Miguel Hidalgo (Mexico City) and the susceptibility of Escherichia coli to the antimicrobial activity of Kombucha tea |
| **AFB037** | Ruelas-Chacón, X., Rebolloso-Padilla, O. N., Flores-Naveda, A., Camposeco-Montejo, N., García-López, J.I., Alvarez-Vazquez, P | Valorization of Stenocereus thurberi and Rubus idaeus to obtain wine and its quality analyses |
| **HEALTHBIO038** | Moreno Bello, L.T., Molina Valdéz, G.B., Loaeza Cruz, B.S., Parada Fabian, J.C., Álvarez Contreras, A.K | Enumeration of total and faecal coliforms in beverages marketed in Casco de Santo Tomás (Mexico City) and the susceptibility of Escherichia coli to the antimicrobial activity of Kombucha tea |
| **AFB040** | Belmares A., Álvarez-Pérez Olga B., Sandoval J., Aguilar-Gonzàlez Miguel A., Belmares R & Aguilar C.N | In vitro antifungal evaluation of lactic acid bacteria culture extracts of against Colletotrichum gleosporioides and Fusarium oxysporum |
| **HEALTHBIO040** | Faiz Ul Haq, Monica L. Chavez Gonzalez, Teresinha Gonçalves da Silva, Cristian Torres León, Leonardo Sepúlveda Torre, Juan Alberto Ascacio Valdés, Cristóbal N. Aguilar | Phytochemical screening and antioxidant activity of Fluorensia cernua: A chemical based analysis. |
| **AFB041** | Alimi, A.A., Reyes-Acosta, K.Y., Ascacio-Valdés, J.A., Aguilar, C.N., Reyes-Acosta, A.V., Contreras-Esquivel, J.C. | A comparative investigation on microwave-assisted extraction of pectins from Tiliacora sp. leaf and Beta vulgaris pulp |
| **HEALTHBIO041** | Martínez-Hernández R.M., Belmares R., Loredo-Treviño A., Rodríguez-Jasso R.M., Ruiz-Leza H.A., Cruz M | Evaluation of a baked product with fermented cassava dough |
| **AFB042** | Alvarado Chacón, M., Rodríguez Martínez, E. S., Sáenz Hidalgo, H.K., Guigón López, C., Muñoz Castellanos, L. N., Alvarado González, S. M | Fungal cell wall degrading enzymes from Trichoderma strains isolated from the central-southern region of the State of Chihuahua |
| **HEALTHBIO042** | Peña-Alvarado, M., Ibarra-Herrera, C.C. | Exploring the antioxidant potential of Sphenarium purpurascens grasshopper protein extracts |
| **AFB043** | Zaida M. Aranda, Mónica L. Chávez-González, Cristian Torres-León, José Luis Martínez Hernández, Mayela Goveza Salas | Extraction of bioactive compounds from plants of the mexican semidesert and their application in the food industry  |
| **HEALTHBIO043** | Reyes Vasquez, D. E., Sandoval-Cortés, J., Cano González, C. N. A., Cárdenas Hernández, E., Aguilar, C. N. | In silico screening of the antiviral activity of Mexican oregano (Lippia origanoides) against the Hepatitis B virus |
| **HEALTHBIO044** | Alves, S.N., Silva, K.A., Moraes, E.R., Fialho, S.N., Silva, M.A., Teles, C.B.G | Formulation of topical application containing chloroquine as a therapeutic alternative for cutaneous Leishmaniasis  |
| **AFB044** | Aranda-Ledesma, N.E., Rutiaga-Quiñones, O.M., Martínez-Ávila, G.C.G | Encapsulation and Evaluation of Physicochemical Properties of Bioactive Compounds from Citrus sinensis and Vitis vinifera by-products |
| **AFB045** | Brassesco, M.E., Paupério, A.I., Pereira, C.D., Ferreira, J.P., Pintado, M. | Optimizing brewer's yeast by-products: integrated processing for sustainable waste management in the agri-food sector  |
| **HEALTHBIO045** |  Nupo A.O., González Tovar J., Garza Sánchez R., Hernandez A | Nutritional Status And Obesity Perception Of Parents With School Age Children In Saltillo |
| **AFB046** | Cedillo Andrade, A.P.,1\*,Colmenero Solís, R.,2, Alvarez Contreras, A.K | Antimicrobial effect of Capsicum annum on pathogens causing foodborne diseases |
| **HEALTHBIO046** | Nupo S.S, Viridiana MTZ, Ortiz-Cruz G, Cortés-Hernandéz J L, Aguilar CN, Sandoval-Cortés J. | Cardiometabolic Risk Factors and Dietary Diversity Score of female workers in Health sector Saltillo Coahuila  |
| **AFB047** | Cervantes-Cornona, D.G, Charles-Rodríguez, A.V, Flores-López M.L, Robledo-Olivo A, Lopez-Guarin, G | Bioactive compounds and antioxidant activity of Mytrillocactus geometrizans extracts in postharvest quality of berries |
| **HEALTHBIO048** | Chavelas-Reyes J. L., Medina-Ramírez C. F., Rodríguez-González J. G., Verdeja-García R., Rodríguez-Pérez M. A., Rodríguez-Martínez L. M | Rational design of antigens as molecular tools in the epidemiological control of zoonotic diseases |
| **AFB048** | Solis-Ramos A, Chávez-González Mónica L., Iliná Anna, Martínez-Hernández José Luis , Ruiz Héctor A, Aguilar Cristóbal N | Production of single-cell protein from agroindustrial wastes  |
| **AFB049** | Corona Reyes, K., Montañez Saenz, J. C., Reyes Acosta, Y. K., Villegas Mendez, M. A., Morales Oyervides, L, Reyes Acosta, A,V, Rodriguez Hernandez, M. R | Impact of Cold Plasma Treatment on the Physical Properties of Grapefruit Juice |
| **AFB050** | Díaz-Herrera, R., Reyes-Acosta, Y. K., Alvarez-Pérez, O. B., Arredondo-Valdés, R., Ventura-Sobrevilla, J | Cold frequency plasma pretreatment for tomato (Solanum lycopersicum L.) seed germination  |
| **HEALTHBIO050** | Medina-Ramírez C. F., Chavelas-Reyes J. L., Rodríguez-González J. G., Verdeja-García R., Rodríguez-Pérez M. A., Rodríguez-Martínez L. M | Antigenic determinants for developing structural biology perspectives for developing vaccines and new generation diagnostic systems |
| **AFB051** | Ruffo, G.C., Morgante, C.V., Lourenço-Tessutti, I.T., Macedo, L.L.P., Arraes, F.B., Grossi de Sá, M.F. | DNA-Free Genome Editing in Soybean using CRISPR/Cas9 Ribonucleoprotein Delivery |
| **HEALTHBIO051** | Chacón Quiñones A., Marcos Morales A., Ordaz Carrera V., Pérez Chavero M. F., Simpson y Reyes A. M., Velázquez Galván Y., Rivas-Arreola M. J. | Obtaining decellularized plant structures with possible biomedical applications |
| **AFB052** | Hernández, L.A.; Aguirre-Joya, J.; Aguillón-Gutiérrez, D.; Angulo-López, J. E.; Vargas-González, G.; Ramírez-Guzmán, N.; Torres-León, C. | Preparation of a bio-compostable packing based on pectin extracted from orange peel waste and its application on a prebiotic functional food |
| **AFB053** | Herrera-Estrada, M. L., Cano González, C. N., García Pérez, A. L., Aguilar González, C.N., Ascacio Valdés, J.A., Contreras Esquivel J. C. | Corn glucurono-arabinoxylan co-induces exo-glycosidases production by submerged fermentation of Aspergillus niger GH1 |
| **AFB054** | Raya Morquecho, E. M., Aguilar Zarate, P., Leonardo Sepúlveda, Mariela R. Michel, Anna Iliná, Aguilar González, C. N. & Ascacio Valdés, J.A. | Ultrasound-Assisted Extraction and Flash Fractionation of Polyphenolic Compounds from Punica granatum |
| **AFB055** | Chávez Cortés Mariana Aitana, Rivera Guerrero Javier, Ruiz Jaimes Andrea, Rivera Noriega Alicia | Application of pigment extracted from Hibiscus sabdariffa (hibiscus flower) in chocolate cookies |
| **AFB056** | Rocha González, A., Muñoz Olvera, J. N., Cano Gómez, C. I., Reyes Munguía A., Wong Paz, J. E., Muñiz Márquez, D. B. | Ultrasound extraction of bioactive compounds from mandarin peel |
| **AFB057** | José Raúl Rodríguez-Corral, Hilda Karina Sáenz Hidalgo, Alfonso Antero Gardea Béjar, José Juan Buenrostro Figueroa, Cesar Guigon-López, Sandra Mónica Alvarado-González  | Identificación y cuantificación de compuestos orgánicos volátiles (COVs) producidos por Trichoderma harzianum A15 |
| **AFB058** | Hernández-Rivera, Diana Itzel; Cortes-Rodríguez, Andrea Penélope; Cruz-Veliz, Yoselin Edelmira; Rodríguez-González, Elda Mireya | Isolation and identification of microorganisms present in agricultural soils of the Valles de Jalisco region, Mexico |
| **AFB059** | C. Sánchez-Ramirez, A. Reyes-Munguía, B. Alvarado-Sánchez y P. Aguilar-Zarate | Caracterización de análisis proximal, fitoquímica y antioxidante del jacube (Acanthocereus tetragonus (L) Hummelinck) |
| **AFB060** | Santiago Santiago, R.M., Michel Michel, M.R., Rodríguez Herrera R., Aguilar Zárate P., Ascacio Valdés J.A., Flores Gallegos, A.C. | Proximal analysis and conservation of the jobo fruit (Spondias mombin) from the Huasteca Potosina |
| **AFB061** | Schvartzman C., Murchio S., Castro A., Miranda P., Pardo H., Dalla Rizza M. | Chitosan-double-stranded RNA nanocomplexes for enhanced Piezodorus guildinii pest control  |
| **AFB062** | Estefanía Duque Reyes, Mariela R. Michel, Mayra Aguilar-Zárate, Romeo Rojas, Guillermo Cristian G. Martínez-Ávila, Pedro Aguilar-Zárate | Oxidation inhibition of canola oil by ellagitannins encapsulated in ethylcellulose: application in a frying process |
| **AFB063** | Axel A. Barrón-Limón, Rosa M. Rodríguez-Jasso, K.D. Gonzalez-Gloria, David Rogelio García-Segura, Ana Mendoza, Héctor A. Ruiz  | Development of a Microbial Consortium for Lactic Acid Production Using Sugarcane Bagasse |
| **AFB064** | Cumilaf, J., Millao, S., Rubilar, M. | Hemp Protein Isolate: Evaluation of its potential applicability in food matrices through functional characterization and in vitro digestion |
| **AFB065** | De Oliveira Sena, L., Ruiz, H.A., Rodríguez-Jasso, R.M., Neves Silva, F., Franco, M | Evaluation of the Hydrothermal Procesisng on Wheat Straw for Xylooligosaccharides Production |
| **AFB066** | De Oliveira Sena, L., Neves Silva, F., Sena da Mota, M., Franco, M., Ruiz, H.A., Rodríguez-Jasso, R.M | Influence of Different NaCl Concentrations on β-Mannanase Activity. |
| **AFB067** | Delgado Hernandez, E.J., Dávila Medina, M.D., Flores Treviño, S.M., Ríos González, L.J., Cruz Requena M., Medina Morales, M.A. | Effect of polyphenols extracted by maceration of Larrea tridentata and walnut shell (Carya illinoinensis) against Alternaria solani. |
| **AFB068** | García Segura D. R., Rodriguez Jasso R. M., Ruiz Leza H. A. | Comparative Analysis of Sugarcane Bagasse Delignification via Organosolv and Combined Autohydrolysis-Organosolv Methods |
| **AFB069** |  Marquez Montes, R., Cruz López B. L. | Base para DIP elaborada de Malanga (Colocasia esculenta)  |
| **AFB070** | Mireles-Torres, S.P., Hernández-González, J.J., González-Lozano, K.J., Aréchiga-Carvajal E.T. | Characterization and Evaluation of Bacteria from Volcanic Soil as Potential Plant Growth Promoters and Biocontrol Agents. |
| **AFB071** |  Siller-Sánchez A, Chávez-González ML, Aguilar CN, Gomez-Garcia R, Pintado M | Impact of in vitro gastrointestinal digestion on fermented grape pomace extract: antioxidant activity behavior |
| **AFB072** | Rostro-Alanis, M.de J., Mancera-Andrade E.I., Rodríguez-Valencia G.S., Rodríguez-Rodríguez, J., Robledo-Padilla, F.deJ., Serna-Saldívar, S.O., Parra-Saldívar, R., Pérez-Carrillo, E. | Revalorization of byproduct of nixtamalized maize flour industry: Optimization of lacasse bleaching conditions by Taguchi DOE Methodology |
| **AFB073** | Guardado Gutiérrez, F. N., Tovar Castro, L. M. Z., Martínez Ruiz, J. A. | Production of invertase with Neurospora crassa FGS#9717 by solid state culture |
| **AFB074** | Ana Daniela Garcia Jiménez, Erika Flores Loyola, Agustina Ramírez moreno, María Guadalupe Pineda Escareño, Jolanta Marszalek, David Pedroza Escobar, Julio Cesar Montañez Sáenz | Trapping of zinc nanoparticles and lactobacillus sp. in bacterial nanocellulose |
| **AFB075** | Jonathan Serrano-Febles, Ariel García-Cruz, Jesús Luis-Orozco, Julio Ariel Dueñas, Maylín L. Leon, Zaidiris Herrera | Mathematical models to study the influence of imbibition temperature on the sugar extraction at sugar mill factory |
| **HEALTHBIO052** |  Nupo S.S, Viridiana MTZ, Ortiz-Cruz G, Cortés-Hernandéz J L, Aguilar CN, Sandoval-Cortés .J | Anthropometric Indices and Mental Health of workers in health sector in Saltillo Coahuila |
| **ENVIRONBIO011** | Rodríguez-Rodríguez, M.A.1\*, Mélendez-Rentería, N.P.2, Palacios-López, O.A.1, Choix-Ley, F.J.1, Névarez-Moorillón, G.V. | Environmental assessment of anthropogenic activities in The Cuatro Ciénegas Basin, Coahuila, using microbial indicators |