

POSTER SESSIONS / SESSION A

MONDAY, OCTOBER 18TH

17:00 a 18:30

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| <p>REMEX0201 <i>Metagenomic characterization of water and sediment samples from Chichonal volcano (Chiapas).</i>
 Alexis Ricardo Becerril Cuevas</p> | <p>REMEX053176 <i>Production of biopolymers from actinobacteria</i>
 Ivan Arroyo Herrera</p> |
| <p>REMEX0222 <i>Evaluation of a Rhodotorula yeast strain as electron donor microorganism in a single chamber microbial fuel cell</i>
 Luis Felipe Cuesta Zedeño</p> | <p>REMEX051226 <i>Searching for extracellular hydrolytic enzymes of halotolerant strains isolated from saline environments of State of Sonora</i>
 Jose Fausto Rodriguez Lopez</p> |
| <p>REMEX0225 <i>Transcriptomic analysis of Colletotrichum gloeosporioides infecting Physcomitrium patens</i>
 Adriana Otero Blanca</p> | <p>REMEX055629 <i>Exploring the extremophile microbial diversity in the Baja California Coast: Marine hydrocarbonoclastic bacteria toward pyrene</i>
 Cynthia Lizzeth Araujo Palomares</p> |
| <p>REMEX030538 <i>"Transcriptomic analysis of Aspergillus atacamensis under halophilic conditions"</i>
 Gisell Valdes Muñoz</p> | <p>REMEX056117 <i>Study of possible metals and metalloids resistance mechanisms in Chryseobacterium sp. Ezn1</i>
 Ana Laura Resendiz Martinez</p> |
| <p>REMEX036773 <i>Psychrophile and psychrotolerant yeasts present in glaciers: potential pathogens.</i>
 Wayra Castillo Guerrero</p> | <p>REMEX059863 <i>Qualitative and quantitative analysis of the biosurfactant activity of halophilic microorganisms using olive oil and glycerol as substrates</i>
 Jose Ricard Rendon de Anda</p> |
| <p>REMEX037361 <i>Novel Extremophile Microbiomes for The Degradation Of Xenobiotics Under Extreme Conditions</i>
 Raziel Airy Montor Arriaga</p> | <p>REMEX053112 <i>Characterization of the interaction of Physcomitrium patens with extremophilic fungi</i>
 Omar Hernandez Maruri</p> |
| <p>REMEX037336 <i>Isolation and characterization of fungi from volcano crater "Chichonal" in Chiapas and their role in growth promoter of aromatic plants.</i>
 Sebastian Gadu Obregon Ramos</p> | <p>REMEX061386 <i>Tracking gene expression, metabolic profiles, and biochemical analysis in the halotolerant basidiomycetous yeast Rhodotorula mucilaginosa EXF-1630 during benzo[a]pyrene and phenanthrene biodegradation under hypersaline conditions</i>
 Liliana Martinez Avila</p> |
| <p>REMEX040388 <i>Role of microRNAs in the regulation of salt stress tolerance mechanisms by NaCl in the halophilic fungus Aspergillus sydowii.</i>
 Michel Alexander Wilson Hernandez</p> | <p>REMEX062299 <i>Searching for halophilic bacteria producing exopolysaccharides isolated from saline environments in State of Sonora and the former Lake of Texcoco</i>
 Mayra Alejandra Sosa Flores</p> |
| <p>REMEX041220 <i>Fungi as halite endolytic microbes in Atacama Desert: a metagenomic analysis</i>
 Daniela Denisse Ramirez Escamilla</p> | <p>REMEX063848 <i>Aromas and flavors produced by microbial consortia in the fermentation of artisanal mezcal in Oaxaca</i>
 Claudia Lopez Sanchez</p> |
| <p>REMEX042252 <i>Use of desert-derived fungi for biological control of Peronospora belbahrii, the causal agent of basil mildew (Ocimum basilicum).</i>
 Jesus Ferrer Gonzalez</p> | |

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- REMEX064456** Preliminary studies about the characterization of *Halomonas titanicae* HC19, a halophilic bacterium with hydrocarbonoclastic potential
Jose Jaime Verdugo Valenzuela
- REMEX065261** Characterization of an Extremophilic Yeast Collection for the Degradation of Xenobiotic Compounds in Extreme Conditions
Kevin Yair Mendez Dominguez
- REMEX068914** 3D in silico molecular structure prediction of the extremozyme β -galactosidase from *Alicyclobacillus* sp. Pa2
Carlos Ignacio Lopez Velazquez
- REMEX069422** Mitochondrial function analysis in the halotolerant basidiomycetous yeast *Rhodotorula mucilaginosa* EXF-1630 during benzo [a] pyrene and phenanthrene biodegradation under hypersaline conditions
Nilda del Carmen Sanchez Castellanos
- REMEX073091** Tolerance to ethanol of two strains of *Saccharomyces* isolated from mezcal fermentation must, from San Pedro Teozacoalco, Oaxaca.
Rosa Mireya Castillo Marquez
- REMEX075292** Phenotypic, phylogenomic and morphological analysis of extremotolerant *Exophiala dermatitidis* strains
Lyselle Ruiz de Leon
- REMEX079724** Evaluation of the role of *Swo1* of *Trichoderma atroviride* in the interaction with plants of chile variety Mirasol
Ricardo Sanchez Cruz
- REMEX082294** Identification of hydrolytic enzymes by in silico analysis of the metagenome of the "Los Humeros" Geothermal field
Alejandra Emelina Ruz Baez
- REMEX083669** Biochemical and kinetic comparing between native and recombinant α -amylase (*AmyJ33-ABC*) from *B. siamensis* JJC33M
Sarahi del Carmen Hernandez Heredia
- REMEX084026** Geothermal field "Los Humeros" source of new industrial enzymes
Rocio Solis Palacios
- REMEX085224** Design of measurement equipments based on free hardware and software for the real-time monitoring of physicochemical parameters in a microbial fuel cell using extremophilic yeasts.
Alain Serrano Roque
- REMEX086449** Cloning, expression and characterization of a thermophilic lipase from *Bacillus licheniformis* UVAB01
Deny de Jesus Velasco Vique
- REMEX087561** Genomic analysis of the bacterial consortium associated with two yeast strains *Kluyveromyces marxianus* (Hansen 1888) showing metabolic diversity.
Katia Jamileth Gonzalez Lozano
- REMEX087858** Induction of polyhydroxybutyrate production on *Bacillus* spp in extreme conditions.
Alvaro Rios Sosa
- REMEX098117** Community-level interactions support CH₄ oxidation in Saanich Inlet O₂-deficient water column
Monica Torres Beltran
- REMEX101046** Genomic analysis of extremotolerant strains isolated from oil-contaminated sites.
Martín Romualdo Ide Perez
- REMEX103552** *Kocuria* sp. NE2TTS12: A new species with heavy metals resistance.
Salvador Del Valle Balbuena

POSTER SESSIONS / SESSION B

TUESDAY, OCTOBER 19TH

17:00 a 18:30

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| <p>REMEX106553 <i>K. marxianus</i> and nitrogen active fixation under extreme growth conditions for the aromatic compounds production
 c.Dr. Felipe de Jesus Mares Rodriguez</p> | <p>REMEX120316 Dynamical behavior of FLP recombinases: from mesophiles to extremophiles.
 Marco Antonio Ramirez Martinez</p> |
| <p>REMEX109522 Extraction, purification and quantification of metabolites from mutants of <i>Ustilago maydis</i> (stevenson and jonhson 1944) (Ustilaginales, Ustilaginacea)
 Gabriela Sanchez Castillo</p> | <p>REMEX120627 Unraveling the methanogenic communities with low abundances in hypersaline microbial mats from Guerrero Negro, Baja California Sur, Mexico.
 Santiago Cadena Rodriguez</p> |
| <p>REMEX112651 Differential modulation of alkaline and osmotic stress for <i>Trichoderma</i> strains from the arid zone of Mina, Nuevo León, Mexico.
 Juan Pablo Cabral Miramontes</p> | <p>REMEX129162 Identification of halophilic archaea capable of capturing Na⁺ in vitro
 Diana Nancy Cruz Luna</p> |
| <p>REMEX113616 Comparison of electrostatic interactions at the active site of Phenylalanine Hydroxylase in psychrophilic organisms.
 Laura Beatriz Salazar Nieva</p> | <p>REMEX133166 In silico prediction of physicochemical and structural properties of lipase isolated from an oligotrophic strain
 Lourdes Yaret Ortiz Cortés</p> |
| <p>REMEX114408 Effect of culture medium composition on carotenoids production by the halophilic archae on <i>Halobacterium</i> sp. NRC-1
 Alejandra Aragon Leon</p> | <p>REMEX143266 <i>Bacillus paralicheniformis</i>, halotolerant species with potential to degrade diclofenac
 Ninfa Ramirez Durán</p> |
| <p>REMEX115401 Taxonomic and functional diversity of the halophilic community present in the Isabel Island's crater lake and presence of CRISPR arrays on its metagenome.
 Luis Mario Hernandez Soto</p> | <p>REMEX143818 Biofertilizers Based on Extremotolerant Microorganisms Isolated from Chichón Volcano: A Sustainable Alternative for Agroecosystems with Heat Stress Conditions
 Claribel Orquidea Zenteno Alegria</p> |
| <p>REMEX118206 Detection of purple and green sulfur bacteria in water samples from the Golfo de México using a liquid culture medium
 María Teresa Nuñez</p> | <p>REMEX146133 Viral communities and genes in thermal springs from Mexico
 Sonia Davila Ramos</p> |
| <p>REMEX079724 Evaluation of the role of <i>Swo1</i> of <i>Trichoderma atroviride</i> in the interaction whith plants of chile variety Mirasol
 Ricardo Sanchez Cruz Cardona</p> | <p>REMEX150668 <i>Periconia citlaltepeltensis</i> sp. nov. (Periconiaceae, Pleosporales): A psychrotolerant fungus from high elevation volcanic glacier (Mexico)
 Rosa Paulina Calvillo Medina</p> |
| <p>REMEX119661 Computational study for the molecular characteristics of the β (1-4) endoxylanase of <i>Alicyclobacillus</i> sp Pa2
 Peggy Elizabeth Alvarez Gutierrez</p> | <p>REMEX151175 Identification of halophilic archaea capable of capturing Na⁺ in vitro
 Alfonso Vásquez Lopez</p> |
| | <p>REMEX152661 Towards the Mexican Agenda of Antarctic Studies
 Anidia Blanco Jarvio</p> |

POSTER SESSIONS / SESSION B

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| <p>REMEX153163 <i>Mexican Microbial Mats: a way for their conservation</i>
 Diana Lilia Brito Jaime</p> <p>REMEX154717 <i>Assessing Antarctic Yeasts as Cellular Factories for Lipid Production</i>
 James Enrique Gonzalez Flores</p> <p>REMEX157736 <i>Identification of VOC degrading bacterial strain isolated from a hydrocarbon contaminated surface</i>
 Daniela Soto Montes</p> <p>REMEX160366 <i>Advance of the antiproliferative activity of oils extracted from seeds of endemic plants of the Annona genus of the Dominican flora</i>
 Claudia Reyes Gutierrez</p> <p>REMEX161272 <i>Detection of toxigenic cyanobacteria strains in marine and freshwater ecosystems of the Dominican Republic.</i>
 Alfaniris W. Vargas Fernandez</p> <p>REMEX162888 <i>Potential Cytotoxic Effect of Cyanobacterial Extracts from Extremophilic Dominican Environments. Essay on the microcrustacean Artemia salina</i>
 Gislane I Caraballo Ramirez</p> <p>REMEX166815 <i>Biological identity of desertic bacterial strains able to grow on VOC from Ciudad Juárez, Chihuahua</i>
 Andres Sandoval Villa</p> <p>REMEX167877 <i>Kocuria turfanensis HO-9042T and Kocuria sediminis FCS-11T: an in silico analysis revealed genes involved in abiotic stress.</i>
 Alan Mendoza Ocampo</p> <p>REMEX168175 <i>Shared incidence of dodecamers in halophile lifestyles as an attempt to understand DNA-Ion interactions in early Earth</i>
 Hector Gilberto Vazquez Lopez</p> <p>REMEX170263 <i>Changes in the ruminal environment due to the use of Moringa oleifera as a new natural alternative in animal feeding</i>
 Perla Lucia Ordoñez Baquera</p> | <p>REMEX171491 <i>Transcriptional regulation of osmotic and ionic stress responses in the halophile model Aspergillus sydowii</i>
 Yordanis Perez Llano</p> <p>REMEX172313 <i>Preliminary studies about the characterization of Halomonas titanicae HC19, a halophilic bacterium with hydrocarbonoclastic potential</i>
 Dr Dimitris Georgellis</p> <p>REMEX175264 <i>Antibiotrophs at the North of Mexico</i>
 Maria Cecilia Ishida Gutiérrez</p> <p>REMEX179114 <i>Feasibility evaluation of metal bioleaching from an ore by Acidithiobacillus thiooxidans DSM 26636</i>
 Jose Daniel Aguilar Loa</p> <p>REMEX132622 <i>Cellular response of moderate halophile A. sydowii to hypo- and hyper-osmotic stress</i>
 Maria del Rayo Sanchez Carbente</p> <p>REMEX184454 <i>"Microbial influence on the acidification of the waters of the Arroyo Colorado, Monseñor Nouel, Rep. Dom. (September 2019- January 2020)"</i>
 Patri Isamir Ramirez Ramirez</p> <p>REMEX185776 <i>Effect of the Cellulase Cel 7A from the thermophilic fungus Thielavia terrestris in the hydrolysis of agroindustrial waste</i>
 Maria Eugenia Hidalgo Lara</p> <p>REMEX186000 <i>Identification and characterization of halotolerant and thermotolerant bacteria in natural monument dunas de las calderas, bani, peravia province, Dominican Republic</i>
 Edian F. Franco</p> <p>REMEX186002 <i>Cianobacterias de ambientes costeros y extremos de México: una colección de la Facultad de Ciencias, UNAM</i>
 Hilda Leon Tejera</p> <p>REMEX087646 <i>Salt-Dependent Dynamics of an Expansin from a Halophilic and a Mesophilic Fungus</i>
 Carmen Nina Pastor Colon</p> |
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