

6ISEBE and IV CNTCA Symposia Program



Instituto Tecnológico de Sonora

Ciudad Obregón, Sonora México

November 5 – 9, 2018

All symposia will take place at Tutorias Room in Campus Nainari, ITSON

Tuesday, November 6, 12:00 – 13:30

Room 1

Risk Assessment and Environmental Impact (08)

Dr. Charles P. Gerba. Conference title to be announced soon. The University of Arizona

M.L Cinco Izquierdo, M.A. Martínez Cinco, M. M. Meza Montenegro, V.M. Ruiz García, R. Alfaro Cuevas-Villanueva, L.N. Rodríguez- Cantú. Health Risk Assessment for the consumption of Arsenic contained in fish in the Lake Communities of Cuitzeo Universidad Michoacana de San Nicolás de Hidalgo.

Cristobal Chaidez Quiroz, PhD. Conference title to be announced soon CIAD, México.

Room 2

Climate Change (11)

Francisco Javier Cervantes Carrillo, PhD. Emission of greenhouse gases from wastewater treatment plants and the way to prevent it. IPICYT, México

Jaime Garatuza Payán, PhD. Impacts of global warming on the wheat crop in the Yaqui Valley, Mexico. ITSON, México

Enrico A. Yépez González, PhD. Long term monitoring of ecosystem functional properties for climate change adaptability. ITSON, México

Room 3

Sustainability and Environmental System Analysis (02)

María Isabel Sastre Conde, PhD. Local soil salinization caused by irrigation of horticultural and fruit crops in Majorca, SEMILLA – INAGEN, Spain.

Nagamani Balagurusany, PhD. Whether seasonal and spatial variations of the microbial communities are linked to the efficiency of a lagoon type biodigester fed with animal manure? Universidad Autónoma de Coahuila, México.

Celia De La Mora-Orozco, Hugo Ernesto Flores-López, Álvaro Agustín Chávez-Durán, Irma Julieta González-Acuña, Juan Napoles-Armenta, Edgardo Martínez-Orozco. Levels and spatial distribution of pollutants in an aquatic ecosystem in western Mexico. Instituto Tecnológico José Mario Molina Pasquel y Henríquez, México.

Room 4

Microbial Ecology and Molecular Biology Applications to Environmental Problems (06)

Sergio de los Santos Villalobos PhD. Perspectives for understanding the microbial action modes involved in plant growth promotion. ITSON, México ITSON, México

P. García-Gonzalo, E. Arroyo, M.M. Gil-Díaz, M.C. Lobo, T. Martínez. Functional diversity of soil microbial communities in response to grazing intensity in a Mediterranean silvopastoral system

Enrique Navarro PhD. Organics Micropollutants in rivers of central high land of Mexico, Universidad Tecnológica de Izúcar de Matamoros, Puebla, México.

Wednesday, November 7, 12:00 – 13:30

Room 1

Wastewater Treatment (07)

Oscar Armando Monroy Hermosillo, PhD. Anaerobic digestion at the core of sustainable cities. Universidad Autónoma Metropolitana, México

María de Lourdes Florencio dos Santos, PhD. Aerobic granular sludge formation and nutrient removal in the treatment of low-strength wastewater under tropical condition. Federal University of Pernambuco, Brazil

Banda Y., Martínez S., Texier A.C. y Cuervo-López F.M. Evaluation of ampicillin mineralization in denitrifying sequencing batch reactors. Universidad Autónoma Metropolitana, México.

Room 2

Environmental Biotechnology (10)

Gerardo R. Buelna Acedo, PhD. Wastewater treatment in rural zones with organic packed biofilters case studies in Mexico and Canada INRS, Canada.

Ulises Durán Hinojosa, PhD. Conference title to be announced soon UNAM, México

Marco Antonio Garzón Zúñiga, PhD. Swine wastewater treatment for small farms by anaerobic-aerobic biofilters packed with volcanic rock and wood chips. CIIDIR-IPN, México

Room 3

Environmental Engineering

Herve Macarie, PhD. Anaerobic treatment of wastewater from chemical and petrochemical industry. Axe IRD, France

S Rodríguez-Valderrama, C. Escamilla-Alvarado, P Rivas-García, M Alcalá-Rodríguez, J-P Magnin. A biorefinery using acid pretreatment, dark fermentation and anaerobic digestion for the production of biohydrogen and biomethane from fruit and vegetables wastes and corn stove. Universidad Autónoma de Nuevo León, México.

J. C. Paredes Rojas, F. J. Martínez Pineda, R. Vázquez Medina, R. A. Romero Merino, PhD. Analysis of pollutants emissions in a diesel engine using biodiesel as fuel. Centro Mexicano para la Producción más Limpia, IPN, México

Room 4

Renewable and Alternative Energies and Biorefineries (01)

Hector Poggi Varaldo, PhD. Conference title to be announced soon **CINVESTAV-IPN México.**

Bichot, A., Delgenès, J.P. , Méchin, V. , Radoiu, M., García-Bernet, D. Potential of microwave treatment in environmental biorefinery. INRA, France.

S. Carlos Hernández, L. Díaz Jiménez. Through a biorefinery concept to revalorize wastes fats, oil and greases. CINVESTAV-IPN-Salttillo, México.

Thursday November 8, 12:00 – 13:30

Room 1

Soil, Sediment, Groundwater and Aquifer Remediation (03)

P. García-Gonzalo, E. Arroyo, M.M. Gil-Díaz, M.C. Lobo, T. Martínez. Assessing long-term impact of zero-valent iron (nZVI) nanoparticles on soil microbial community function, el cual considerado en la modalidad de poster. IMIDRA, Spain.

A.A. Lopez Pacheco, M.V. Escárcega Bobadilla, L. Mondragón Camarillo, A.C. Hayano-Kanashiro, A. Varela-Romero, R. Vílchez-Vargas and K. Calderón. Nitrogen cycle function evaluation of an agricultural soil disturbed with Nickel and Zinc Salphen compounds. UNISON, México.

Room 2

Solid and Hazardous Waste Management and Treatment (05)

Natalia Porzionato, Agustina Ziliani, Celeste Grimolizzi, Ana E. Tufo, Susana Vázquez, Angela Cabezas Da Rosa, Gustavo Curutchet. Microbial diversity and contamination in Reconquista River

sediments: detection of bacteria with potential biotechnological applications. Universidad Nacional de San Martín.

Y. Maiga, S. Roussos, H. Macarie, A.S. Ouattara Isolation and characterization of fungal strains for the detoxification of Jatropha seed cakes by Solid State Fermentation. University of Ouagadougou, Burkina Faso.

K. Calderón, G. Bustamante-Noriega, V.M Reyes-Martínez, R.G Martínez-Meza, F.J Almendariz-Tapia and M.T Certucha-Barragán. Microbial community composition of biofilm developed on a zeolite fixed bed anaerobic bioreactor to treat nickel contaminated water. Departamento de Química e Ingeniería Metalúrgica, UNISON.

Room 3

Green Materials and Biomaterials (04)

Francisco Javier Deive Herva, PhD. Conference title to be announced soon. Universidad de Vigo, Spain.

Prados M.B., Lescano M.I., Barclay J.J., Sica M.P., Curutchet G. Biological production of graphene hydrogels for electrode applications in bioelectrochemical systems. Instituto de Energía y Desarrollo Sustentable, Centro Atómico Bariloche, Comisión Nacional de Energía Atómica, S. C. de Bariloche, Argentina.

Roberto Jorge Candal, PhD. Green and biodegradable materials for everyday applications. Universidad Nacional de San Martín, Argentina.