



2019 Collaborative Research Grant Awardees

Mayra Álvarez Lemus,
Rosendo López González,
Dora María Frías Márquez,
Hugh Daigle,
David DiCarlo,
Keith Johnston

CO₂ Foams Stabilized Only with
Surface-Modified Silica Nanoparticles
for Enhanced Oil Recovery

Universidad Juárez
Autónoma de Tabasco,
The University of Texas at
Austin

Hatice Asuman Oktaç,
Hamide Dogan

Transitional Points in Constructing
Linear Algebra Concepts

CINVESTAV-IPN,
The University of Texas at
El Paso

Dante Benito Castro
Solano,
Teja Guda

Promoting Technology
Entrepreneurship in Mexico Through
Social Networking Skills Training

ITESM,
The University of Texas at
San Antonio

Lucía Caudillo Ortega,
Tracie Harrison

Disabilities in the Elder Population of
Central Mexico

Universidad de
Guanajuato,
The University of Texas at
Austin

Valentina Glockner Fagetti,
Gabriela Garcia Figueroa,
Nohora Constanza Niño
Vega,
Rebecca Torres

Geographies of Displacement:
Mexican Migrant/Refugee Children
and Youth in the Sonora-Arizona
Borderlands

El Colegio de Sonora,
The University of Texas at
Austin

Daniel Hernández,
Mihai Sirbu

Topics in Modelling and Analysis of
Zero Sum Games without Isaacs
Condition

CIMAT,
The University of Texas at
Austin

Victoria Pando Robles,
Patricia Aguilar

Transmission Dynamics of Mayaro
Virus in Urban and Peridomestic
Mosquitoes

INSP,
The University of Texas
Medical Branch

Yolanda López Cruz,
Manuel G. Alonso,
Maria E. Pérez,
Navid Saleh,
Peter Ward,
Desmond Lawler

Engineering Nano-Enabled Water
Treatment Solutions for Communities
in Oaxaca, MX and Colonias in TX

CIIDIR-IPN,
The University of Texas at
Austin

Aaron Martin,
Majie Fan

Rise of the Sierra Madre Occidental,
Mexico, and its Impact on the North
American Monsoon

IPICYT,
The University of Texas at
Arlington

Helmut Maske,
Zhanfei Liu

Flocculation of Riverine Organic
Matter When Mixed with Seawater

CICESE,
The University of Texas at
Austin

Miguel Méndez Rojas,
Kenneth Balkus Jr.

Metal-Organic Frameworks Coated
on Magnetic Nanoparticles for Cancer
Therapy

Universidad de las
Américas Puebla,
The University of Texas at
Dallas

Arturo Mora Olivo,
Andrew McDonald

Cooperative Database on Biodiversity
in the Endangered and Cross-Border
Tamaulipan Biotic Province

Universidad Autónoma de
Tamaulipas,
The University of Texas
Rio Grande Valley

Ligia Pérez Cruz,
Jaime Urrutia Fucugauchi,
Sean Gulick,
Timothy Meckel,
Gail L. Christeson

3D Imaging of Drill Sites within the
Chicxulub Impact Crater: Seeking
New Insights into the Impact
Hydrothermal System and Recovery
of Life

Universidad Nacional
Autónoma de México,
The University of Texas at
Austin

Sergio Sánchez Peña,
Lawrence Gilbert,
Robert Plowes

Developing Biocontrol Strategies to
Combat an Invasive Cactus-Feeding
Moth

Universidad Autónoma
Agraria Antonio Narro,
The University of Texas at
Austin

Jorge Tiburcio Báez,
Jonathan Sessler

Mechanically Interlocked Molecules
Applied to the Destruction of
Groundwater Pollutants

CINVESTAV-IPN,
The University of Texas at
Austin