

Dr. Joanne Nadia Rampersad-Ammons

The University of Texas Rio Grande Valley
 School of Earth, Environmental, and Marine Sciences
 (956) 665-2097
 Email: joanne.rampersadammons@utrgv.edu

Education

PhD, The University of the West Indies, 2006

Major: Microbiology

MS, The University of Houston, 1988

Major: Biochemical Sciences

BS, The University of the West Indies, 1986

Major: Biochemistry and Zoology

Employment

Assistant Lecturer , The University of the West Indies., (2002 - 2005)

Academic - Administrative Assignments

Academic - Administrative Assignments, Supervisor of the UTRGV Mobile Laboratory Program, (2013 - 2019)

Academic - Administrative Assignments, Director, UTPA/UTRGV Science Education grant funded by the Howard Hughes Medical Institute, UTRGV, (2015 - 2017)

Academic - Administrative Assignments, Discipline Coordinator for Microbiology, UTRGV School of Medicine, (2014 - 2015)

Academic - Administrative Assignments, Program Co-Director, UTPA Science Education grant funded by the Howard Hughes Medical Institute, UTPA, (2012 - 2015)

Academic - Administrative Assignments, Faculty coordinator for Assessment, Title V: Improving Hispanic Student Success through Experiential Learning, UTPA/UTRGV, (2013 - 2015)

Academic - Post-Secondary

Academic - Post-Secondary, Full Professor, The University of Texas Rio Grande Valley, (2018)

Academic - Post-Secondary, Associate Professor, The University of Texas Rio Grande Valley, (2015 - 2018)

Academic - Post-Secondary, Associate Professor, The University of Texas-Pan American, (2012 - 2015)

Academic - Post-Secondary, Assistant Professor, The University of Texas- Pan American, (2006 - 2012)

Academic - Post-Secondary, Lecturer, The University of the West Indies, (2005 - 2006)

Academic - Post-Secondary, Teaching Assistant for Undergraduate Biochemistry Labs, University of Houston, (1987 - 1988)

Publications

Journal Article, Academic Journal

David Ammons and Joanne Rampersad-Ammons. A strategy for encouraging the honey bee (*Apis mellifera*) to build new comb from harvested beeswax.: *Journal of Apicultural Research*.

David Ammons and Joanne Rampersad-Ammons. Using black soldier fly larvae (*Hermetia illucens*) to clean unwanted beeswax from equipment.: *Journal of Apiculture Research*.

David Ammons and Daniel Gonzalez and Ming-Tsan Lu and Joanne Rampersad-Ammons. Assessment of Dermo (*Perkinsus marinus*) in the "southern oyster" from a high salinity environment.: *North American Journal of Aquaculture*. (June)

Sylvia Robles and Joanne Rampersad-Ammons and Noe Vargas Hernandez. High Impact Sustainable Transdisciplinary Collaboration Model for Food Justice. 2201 G St. NW Fungler Hall Suite 315 Washington, DC, 200052 USA: *Journal of the International Council for Small Business*.

<https://icsb.org/jicsb/>

Dora Saavedra and Jennifer Lemanski and Kristine Wirts and Shawn Saladin and Joanne Rampersad-Ammons. Perceptions of Collegial and Uncollegial Behaviors after a University Consolidation: A Quantitative and Qualitative Analysis of How Faculty Viewed Members of their New Academic Units.: *The Journal of Higher Education Management*. (February) 38, : 14-32.

Sharon Schembri and Joanne Rampersad-Ammons. Science Identity and Hispanic students in Science, Technology, Engineering and Mathematics.: *Journal of Women and Minorities Science and Engineering*. (July (3rd Quarter/Summer)) 27, : 1-24.

Jessica Lavariega Monforti and Dora Saavedra and Sarah Stegall and Daniela Kuri and Joanne Rampersad-Ammons. Differentiating Leadership from Management: A Model for Intervention with Hispanic High school and Undergraduate STEM Students.

David Ammons and John Short and Jeffery Bailey and Gabriela Hinojosa and Lourdes Tarez and Martha Salazar and Joanne Rampersad. Anti-cancer Parasporin Toxins are Associated with Different Environments: Discovery of Two Novel Parasporin 5-like Genes.: *Current Microbiology*. (February) 72, : 184-189.

<http://dx.doi.org/10.1007/s00284-015-0934-3>

David Ammons and Graham Toal and Angel Roman and Luz Rojas-Avelizapa and Antonio Ventura-Suárez and Joanne Rampersad. Cry-like genes, in an uncommon gene configuration, produce a crystal that localizes within the exosporium when expressed in an acrySTALLIFEROUS strain of *Bacillus thuringiensis*.: *FEMS Microbiology Letters*. (January (1st Quarter/Winter)): fnw010.

<http://dx.doi.org/10.1093/femsle/fnw010>

David Ammons and Joanne Rampersad. The Use of Polystyrene Beads to Prepare Arrayed Samples of *Bacillus thuringiensis* for Microscopic Examination.: *Current Microbiology*. (September) 71, : 412-414.

<http://dx.doi.org/10.1007/s00284-015-0870-2>

D. Ammons and Reyna Antonio and J. Granados and A. Ventura-Suarez and L. Rojas-Avelizapa and J. Short and Joanne Rampersad. A Novel *Bacillus thuringiensis* Cry-Like Protein from a Rare Filamentous Strain Promotes Crystal Localization within the Exosporium.: *Applied and Environmental Microbiology*. (September) 79, : 5774-5776.

<http://dx.doi.org/10.1128/aem.01206-13>

David Ammons and Joel Manrique and Joanne Rampersad. An apparatus to control and automate the formation of continuous density gradients.: *Analytical Biochemistry*. (August) 427, : 124-126.

<http://dx.doi.org/10.1016/j.ab.2012.05.012>

David Rios and Artem Chebotko and Christine Reilly and Ralph Carlson and Emmett Tomai and Amy Weimer and Nicholas Weimer and Thomas Pearson and Francis Andoh Baidoo and Robert Wrinkle and David Ammons and Joanne Rampersad. Improving STEM Education in Research: Preliminary Report on the Development of a Computer-Assisted Student-Mentor Research Community.: *Creative Education*. (March) 03, : 612-618.

<http://dx.doi.org/10.4236/ce.2012.35090>

Eric Gonzalez and Jose Granados and John Short and David Ammons and Joanne Rampersad. Parasporins from a Caribbean Island: Evidence for a Globally Dispersed *Bacillus thuringiensis* Strain.: *Current Microbiology*. (May) 62, : 1643-1648.

<http://dx.doi.org/10.1007/s00284-011-9905-5>

Antonio Ventura-Suárez and Ramón Cruz-Camarillo and Joanne Rampersad and David Ammons and Edgar López-Villegas and Jorge Ibarra and Luz Rojas-Avelizapa. Characterization of a Novel *Bacillus thuringiensis* Phenotype Possessing Multiple Appendages Attached to a Parasporal Body.: *Current Microbiology*. (January (1st Quarter/Winter)) 62, : 307-312.

<http://dx.doi.org/10.1007/s00284-010-9678-2>

David Ammons and Joanne Rampersad. MicroTracker: a Data Management Tool for Facilitating the Education of Undergraduate Students in Laboratory Research Environments.: *Journal of Microbiology & Biology Education*. (December) 11, : 162-163.

<http://dx.doi.org/10.1128/jmbe.v11i2.180>

David Ammons and Raghuveer Puttagunta and Jose Granados and Georgina de la Garza and George Eyambe and Joanne Rampersad. An Exploratory Study of Methicillin-Resistant *Staphylococcus aureus* and SCCmec Elements Obtained from a Community Setting Along the Texas Border with Mexico.: *Current Microbiology*. (May) 60, : 321-326.

<http://dx.doi.org/10.1007/s00284-009-9544-2>

David Ammons and Antonio Reyna and Jose Granados and Michael Samlal and Joanne Rampersad. An Investigation of *Bacillus thuringiensis* in Rectal-Collected Fecal Samples of Cows.: *Current Microbiology*. (November) 59, : 532-536.

<http://dx.doi.org/10.1007/s00284-009-9472-1>

Zhengdong Zhang and Madhavi Nayar and David Ammons and Joanne Rampersad and George Fox. Rapid in vivo exploration of a 5S rRNA neutral network.: *Journal of Microbiological Methods*. (February) 76, : 181-187.

<http://dx.doi.org/10.1016/j.mimet.2008.10.010>

Joanne Rampersad and Jenelle Johnson and Gabriel Brown and Michael Samlal and David Ammons. Prevalence, Serovar Determination and the Routine Detection of *Salmonella* in the Muscovy Duck (*Cairina moschata*).: *Revista*

- Panamericana de Salud Pública (Pan American Journal of Public Health)*. 23, <http://dx.doi.org/10.1590/s1020-49892008000400006>
- Joanne Rampersad and Xiaohui Wang and Helen Gayadeen and Samuel Ramsewak and David Ammons. A preliminary assessment of an In-House PCR for Chlamydia trachomatis in response to the inaccessibility of commercial tests in Trinidad.: *Revista Panamericana de Salud Pública (Pan American Journal of Public Health)*. 22, : 317-322. <http://dx.doi.org/10.1590/s1020-49892007001000004>
- Antonio Ventura and R Cruz-Camarillo and E López and J Ibarra and D Ammons and Joanne Rampersad and L Rojas-Avelizapa . Morphological Characterization of the Bacterial Isolate Bt1-88, A Presumably Novel Strain of Bacillus Thuringiensis.: *Acta Microscopica* . 16, : 248-249.
- Rohini Roopnarine and David Ammons and Joanne Rampersad and Abiodyun Adesiyun. Occurrence and Characterization of Verocytotoxigenic Escherichia coli (VTEC) Strains from Dairy Farms in Trinidad.: *Zoonoses and Public Health*. 54, : 78-85. <http://dx.doi.org/10.1111/j.1863-2378.2007.01024.x>
- Joanne Rampersad and DAVID AMMONS. VERSATILE BLOOD BAGS FOR LABORATORY FEEDING OF MOSQUITOES.: *Journal of the American Mosquito Control Association*. (June) 23, : 149-152. [http://dx.doi.org/10.2987/8756-971x\(2007\)23\[149:vbbffj\]2.0.co;2](http://dx.doi.org/10.2987/8756-971x(2007)23[149:vbbffj]2.0.co;2)
- Joanne Rampersad and John Watkins and Michael Samlal and Raymond Deonanan and Shalini Ramsubeik and David Ammons. A nested-PCR with an Internal Amplification Control for the detection and differentiation of Bartonella henselae and B. clarridgeiae: An examination of cats in Trinidad.: *BMC Infectious Diseases*. (December) 5, <http://dx.doi.org/10.1186/1471-2334-5-63>
- Joanne Rampersad and David Ammons. A Bacillus thuringiensis isolation method utilizing a novel stain, low selection and high throughput produced atypical results.: *BMC Microbiology*.
- Joanne Rampersad and Ayub Khan and David Ammons. A Bacillus thuringiensis Isolate Possessing a Spore-Associated Filament.: *Current Microbiology*. (October (4th Quarter/Autumn)) 47, : 355-357. <http://dx.doi.org/10.1007/s00284-003-4103-8>
- Joanne Rampersad and Ernest Cesar and Mervin Campbell and Michael Samlal and David Ammons. A field evaluation of PCR for the routine detection of Babesia equi in horses.: *Veterinary Parasitology*. (May) 114, : 81-87. [http://dx.doi.org/10.1016/s0304-4017\(03\)00129-8](http://dx.doi.org/10.1016/s0304-4017(03)00129-8)
- Arlette Wright and Joanne Rampersad and Joseph Ryan and David Ammons. Molecular characterization of rabies virus isolates from Trinidad.: *Veterinary Microbiology*. (June) 87, : 95-102. [http://dx.doi.org/10.1016/s0378-1135\(02\)00045-7](http://dx.doi.org/10.1016/s0378-1135(02)00045-7)
- Joanne Rampersad and Ayub Khan and David Ammons. Usefulness of staining parasporal bodies when screening for Bacillus thuringiensis.: *Journal of Invertebrate Pathology*. (March) 79, : 203-204. [http://dx.doi.org/10.1016/s0022-2011\(02\)00018-6](http://dx.doi.org/10.1016/s0022-2011(02)00018-6)
- D Ammons and Joanne Rampersad and M.A Poli. Evidence for PSP in mussels in Trinidad.: *Toxicon*. (June) 39, : 889-892. [http://dx.doi.org/10.1016/s0041-0101\(00\)00228-2](http://dx.doi.org/10.1016/s0041-0101(00)00228-2)
- David Ammons and Joanne Rampersad. An E. coli 5S rRNA Deletion Mutant Useful for the Study of 5S rRNA Structure/Function Relationships.: *Current Microbiology*. (March) 43, : 89-92. <http://dx.doi.org/10.1007/s002840010266>
- DAVID AMMONS and Joanne Rampersad and CONSTANTIN FLYTZANIS. Intracellular Trafficking of the Nuclear Receptor COUP-TF in Live Sea Urchin Embryos.: *American Zoologist*. (September) 39, : 774-782. <http://dx.doi.org/10.1093/icb/39.4.774>
- D. Ammons and Joanne Rampersad and G. Fox. 5S rRNA gene deletions cause an unexpectedly high fitness loss in Escherichia coli.: *Nucleic Acids Research*. (January (1st Quarter/Winter)) 27, : 637-642. <http://dx.doi.org/10.1093/nar/27.2.637>
- David Ammons and Joanne Rampersad and George Fox. A Genomically Modified Marker Strain of Escherichia coli.: *Current Microbiology*. (November) 37, : 341-346. <http://dx.doi.org/10.1007/s002849900389>
- Kyle Cops and Ron Richman and Laura Lyman and Kimberly Chang and Joanne Rampersad and Mitzi Kuroda. Complex formation by the Drosophila MSL proteins: role of the MSL2 RING finger in protein complex assembly.: *The EMBO Journal*. (September) 17, : 5409-5417. <http://dx.doi.org/10.1093/emboj/17.18.5409>
- Joanne Rampersad and John Agard and David Ammons. Effects of gamete concentration on the in vitro fertilization of manually extracted gametes of the oyster (Crassostrea rhizophorae).: *Aquaculture*. 123, : 153-162.

Joanne Rampersad and David Ammons. Production of *Crassostrea rhizophorae* (Guilding) spat from hatchery-reared larvae.: *Aquaculture*. 106, : 253-260.

Contracts, Grants and Sponsored Research

Engil Pereira and Chu-Lin Cheng and James Kang and Thang Pham and Wendi Williams and Thanh Thuy Vu and Joanne Nadia Rampersad-Ammons and Alejandro Fierro Cabo and Wan-Lin Chang and Debasish Bandyopadhyay and Veerachandra K Yemmireddy and Robin Alan Choudhury. Grant Pathways to NRCS and Academic Careers to Civil Engineering and Agriculture Students (PANACEAS) USDA-NIFA-EWD-REEU Federal , 750000\$ (December 2021 - December 2027)

Noe Vargas Hernandez and Joanne Rampersad. Grant Freshwater Prawn Production: Solving the National Problem of Prawn Postlarvae (Seed) Availability through Engineering and Automation USDA NIFA AFRI Federal , 263585\$ (July 2021 - August 2024)

Joanne Rampersad and Hudson DeYoe and Noe Vargas. Grant Facilitating Sustainable and Profitable Oyster Culture: Promoting Equity of Opportunities for Texas' Lower Laguna Madre. Texas Sea Grant State , 444034\$ (April 2021 - January 2024)

Mark Yul Chu and Dongchul Kim and John P Abraham and Marziehossadat Ayati and Zhixiang Chen and Nikolaos Dimakis and Andrew N S Ernest and Andres Figueroa and Bin Fu and Jungseok Ho and Kye-Hwan Lee and Samir M Iqbal and Evangelia Kotsikorou and Sanjeev Kumar and Michael S Minor and Hiram Moya and Abdoul A Oubeidillah and Joanne Nadia Rampersad-Ammons and Ji Woo Ryou and Robert T Schweller and Jae Sok Son and Emmett R Tomai and Timothy R Wylie and Jasang Yoon and Hongkai Yu and Jingru Zhang and Parwinder Grewal and Soumya Mohanty. Grant MRI: Acquisition of a GPU-Accelerated Cluster, High Performance Rio Grande Valley Cluster (HiRGV) National Science Foundation Federal , 699077\$ (January 2020 - September 2023)

Mark Yul Chu and Parwinder Grewal and Dongchul Kim and Soumya Mohanty and Nikolaos Dimakis and Joanne Rampersad-Ammons. Grant MRI: Acquisition of a GPU-Accelerated Cluster, High Performance Rio Grande Valley Cluster (HiRGV) NSF Federal , 699077\$ (January 2019 - August 2023)

Dongchul Kim and Joanne Nadia Rampersad-Ammons. Grant Applying Computer Vision Technologies To Honey Bee Health And Surveillance: Building Capacity in Agricultural Engineering at a HSI USDA Federal , 330930\$ (June 2018 - August 2022)

John M Trant and Joanne Nadia Rampersad-Ammons and Robert Keith Dearth and Matthew Dana Terry and Hassan Ahmad and Ralph Carlson and Liang Zeng and Robert Wrinkle and David Ammons and Frederick Ernst and Amy Weimer and Emmett R Tomai and Artem Chebotko and Christine Reilly and Steven Tidrow and Jessica Lavariega-Monforti and Sharon Schembri and Dora Elia Saavedra and Thomas Dale Pearson and James Aldridge. Grant UTPA/UTRGV HHMI Leaders in Research Program Howard Hughes Medical Institute Private , 1200000\$ (August 2012 - August 2017)

Dora Elia Saavedra and Shawn P Saladin and Joanne Nadia Rampersad-Ammons and Kristine Marie Wirts. Grant Faculty Collegiality and a Healthy Workplace: A Baseline Study of Campus Climates (2014) Faculty Research Council The University of Texas Rio Grande Valley (July 2014 - December 2015)

Joanne Nadia Rampersad-Ammons. Fellowship Geosciences Ideas Lab National Science Foundation Federal , 1500\$ (January 2014 - March 2014)

Joanne Nadia Rampersad-Ammons and Jeffery Bailey. Grant Parasporins against Cancer cells UTPA Undergraduate Research Initiative Other , 2000\$ (September 2012 - August 2013)

Hassan Ahmad and Kristine Lowe and Joanne Nadia Rampersad-Ammons. Grant HHMI grant renewal Student Research and Broadening access to Science Howard Hughes Medical Institute Private , 1200000\$ (February 2008 - August 2012)

Joanne Nadia Rampersad-Ammons and John Short and David Ammons. Grant Addressing healthcare disparities through the development of affordable anticancer therapeutics' NIH via the South Texas Border Health Disparities Center Federal , 14804\$ (December 2010 - December 2011)

Joanne Nadia Rampersad-Ammons. Grant Genomic sequencing and analysis of two novel *Bacillus thuringiensis* isolates with potential agricultural applications' UTPA Faculty Research Council The University of Texas Rio Grande Valley , 4644\$ (December 2010 - December 2011)

Joanne Nadia Rampersad-Ammons and George Eyambe and David Ammons and Xiaohui Wang. Grant An investigation of *Staphylococcus aureus* (MRSA) in the Middle RGV NIH EARDA program Federal , 21600\$ (December 2007 - December 2010)

Joanne Nadia Rampersad-Ammons and Luz Avelizapas-Roja and Antonio Ventura-Suarez. Grant CONACyT-Extramural support (Government of Mexico) Fellowship grant for Antonio Ventura Suarez to visit my lab as part of his doctoral thesis work Other , 19200\$ (December 2007 - December 2009)

Joanne Nadia Rampersad-Ammons. Grant Identification of Proteins Comprising a Novel Crystal/Filament Structure in the Bacterium *Bacillus thuringiensis* UTPA Faculty Research Council Local , 4102\$ (December 2007 - August 2009)

Joanne Nadia Rampersad-Ammons. Grant Characterization of the Surface chemistry of selected Bt strains, National Institutes of Standards and Technology NIST Summer Undergraduate Internship Program Federal , 7815\$ (April 2008 - August 2008)

Joanne Nadia Rampersad-Ammons. Grant GCAT Microarray Workshop National Science Foundation Federal , 660\$ (October 2007 - November 2007)

Joanne Nadia Rampersad-Ammons. Grant Characterization of Bt isolates with encapsulated crystal proteins: their ultrastructure and genetic characterization UTPA Faculty Research Council Local , 2898\$ (September 2006 - October 2007)

Awards and Honors

Mentoring

Best Mentoring award Nolminee. UTRGV (2015)

Scholarship/Research

E. Kika de la Garza Fellow. United States Department of Agriculture (USDA) (May 2017)

Biology Scholars. American Society for Microbiology (2011)

Service, University

UTPA Nominee for Best Supervisor of the Year Award (2014-2015). UTPA (March 2015)

Teaching

Regents Teaching Award Nominee. UT System (2016)

UTPA Nominee for UT Regent's Outstanding Teaching Award . University of Texas-Pan American (2011)

Presentations

Alyssa Alvarado and Joanne Nadia Rampersad-Ammons."Concentrating microalgae using a freshwater overlays".UT LSAMP Conference, UT El Paso, El Paso, Texas. (August 1, 2023)

Sylvia A Robles and Joanne N. Rampersad-Ammons and Noe Vargas Hernandez."High Impact Sustainable (HIS) Transdisciplinary Model for Food Security".67th ICSB International Council Small Business World Congress, ICSB-International Council Small Business , Jinju & Gwangju, South Korea. (July 13, 2023)

Alyssa Alvarado and Joanne Nadia Rampersad-Ammons."Development of a low-cost method for concentrating microalgae using a freshwater overlay".UTRGV College of Sciences Research Symposium, UTRGV, Brownsville, Texas. (April 28, 2023)

Alan Urteaga and Joshua Banda and Allan Vazquez and Cesar Villanueva and Lawrence Cano and Noe Vargas Hernandez and Joanne Nadia Rampersad-Ammons."Shallow-water Oyster Farms with PVC post and line systems".115th Annual Meeting of the National Shellfisheries Association, National Shellfisheries Association, Baltimore, Maryland. (March 30, 2023)

David Bazan and Joanne Nadia Rampersad-Ammons."Potential Pitfalls of Texas COM (Cultivated Oyster Mariculture) Legislation to the future Lower Laguna Madre Oyster Farmers".115th Annual Meeting of the National Shellfisheries Association, National Shellfisheries Association, Baltimore, Maryland. (March 28, 2023)

Sylvia Robles and Noe Vargas and Joanne N Rampersad-Ammons."Food Security at the Intersection of Entrepreneurship, Engineering, and Agriculture".OPEN 2023 VentureWell Conference-Ignite Session and Poster Presentation, VentureWell, Alexandria, VA. (March 23, 2023)

Noe Vargas and Sylvia Robles and Joanne N Rampersad-Ammons."Food Security: at the Intersection of Entrepreneurship, Engineering, and Agriculture".2023 6th STEM Education Annual Conference, The Office of Engaged Scholarship & Learning , South Padre Island, TX. (February 17, 2023)

Alyssa Alvarado and Joanne Nadia Rampersad-Ammons."How to Prepare Black Soldier Fly as an Alternative Feed for Oysters".77th Annual Meeting of the Subtropical Agriculture and Environments Society, Subtropical Agriculture and Environments Society, South Padre Island. (February 10, 2023)

Joanne Nadia Rampersad-Ammons."Strategies to support online asynchronous student engagement for better student outcomes,".5th Annual Stem-Ed Conference, UTRGV, South Padre Island. (February2022)

Joanne Nadia Rampersad-Ammons."Oysters and Marine Science".4th Texas Hispanic Farmer and Rancher Conference, UTRGV, Online. (January 13, 2022)

Roberto Cabello and Farhia Ahmad and Clarissa Garcia and Jack Summers and Kamalaksha Sarkar and Joanne Rampersad-Ammons."Mechanized Oyster (Crassostrea virginica) setting using the Sea Cradle".Aquaculture America 2021 , World Aquaculture Society, San Antonio, Texas. (August2021)

Arnold Amador and Joanne Nadia Rampersad-Ammons and Amy Weimer and James Aldridge and Thomas Pearson and Sarah Stegall-Rodriguez."Moral Development Amongst Latinx College Students in Borderlands Region".Southwestern Psychological Association, Southwestern Psychological Association, Albuquerque New Mexico. (April2019)

- Joanne Nadia Rampersad-Ammons."The unique Lower Laguna Madre oyster *Crassostrea virginica* and its potential for offshore culture".World Aquaculture Society, World Aquaculture Society, New Orleans. (March2019)
- Daniela De La Cruz and Joanne Nadia Rampersad-Ammons."Bacterial Assassins: An Approach to Combating Bacterial Diseases in Shrimp,".American Society for Microbiology, Corpus Christi, Texas. (November2018)
- Daniela De la Cruz and Joanne Nadia Rampersad-Ammons."Bacterial Assassins- The Future in Combating Bacterial Diseases in Shrimp ".LSAMP Summer Research Academy Student Presentations, UTRGV LSAMP Program, Edinburg, Texas. (July 31, 2018)
- Sonal Jha and Joanne Nadia Rampersad-Ammons."Viability of the API ammonium testing kit for measuring ammonium concentrations".UTRGV College of Science Annual Research Conference, UTRGV, Edinburg, Texas. (April 13, 2018)
- Daniel Gonzalez and David Ammons and Kai Ammons and Joanne Nadia Rampersad-Ammons."Dermo Presence in Lower Laguna Madre Oysters and Clams".Texas Academy of Science , Texas Academy of Science , Midland, Texas. (March 3, 2018)
- Gilberto Vento and Joanne Nadia Rampersad-Ammons."Identifying Potential *Bacillus thuringiensis* Candidates to Control *Aethina tumida*".Texas Academy of Science , Texas Academy of Science , Midland, Texas. (March 3, 2018)
- Joanne Nadia Rampersad-Ammons."Aquaponics".Grow Local South Texas 3rd Conference, Grow Local South Texas, Corpus Christi, Texas. (January 25, 2018)
- Daniel Gonzalez and David Ammons and Kai Ammons and Joanne Nadia Rampersad-Ammons."Dermo Presence in Lower Laguna Madre Oysters and Clams".School of Medicine Inaugural Research Symposium, UTRGV, (August 12, 2017)
- Joanne Nadia Rampersad-Ammons."UTPA/UTRGV Leaders in Science Synthesis".HHMI Synthesis Meeting, Howard Hughes Medical Institute, Chevy Chase, Maryland. (April 20, 2017)
- Daniel Gonzalez and David Ammons and Joanne Nadia Rampersad-Ammons."Dermo Presence in Lower Laguna Madre Oysters".Undergraduate Research Conference Engaged Scholar Symposium ES2, UTRGV, Edinburg, Texas, USA. (April 19, 2017)
- Gilberto Vento and Joanne Nadia Rampersad-Ammons."Development of a Deterrent Response Assay to Test the Effect of Neonicotinoids".Undergraduate Research Conference Engaged Scholar Symposium ES2, UTRGV, Edinburg, Texas, USA. (April 19, 2017)
- Dora Saavedra and Jessica Lavariega Monforti and Joanne Nadia Rampersad-Ammons."Building Young Hispanic Leaders in Science Technology Engineering and Mathematics (STEM). ".International Research Conference, National Association of Hispanic and Latino Studies, Oct 24-26, 2016 , International Research Conference, National Association of Hispanic and Latino Studies, South Padre Island, Texas. (October2016)
- Arnoldo Amador Amador and Francisco Sierra and Deanna Pollard and Yuridia Munoz and Luis Perez and Linda Torres and Krystal Garza and Amy Weimer and Joanne Nadia Rampersad-Ammons."Parental Predictors of Latinxs College Students' Acculturation".International Research Conference, National Association of Hispanic and Latino Studies, Oct 24-26, 2016 , International Research Conference, National Association of Hispanic and Latino Studies, South Padre Island, Texas. . (October2016)
- Sharon Schembri and Joanne Nadia Rampersad-Ammons."The hard truth about soft skills in STEM student development: Investigating the Hispanic scientific self".National Association of Hispanic and Latino Studies conference, South Padre Island. (October2016)
- Chelsey Faris and David Ammons and Joanne Nadia Rampersad-Ammons."Increasing honey production and using an Eco-safe toxin in recycled wax to prevent beehive destruction".HHMI/UTRGV Science Education Grant Program. July 29, 2016 , HHMI/UTRGV, Edinburg Texas, USA. (July2016)
- Jose Garces and Angel Roman and Joanne Nadia Rampersad-Ammons and ."Cloning and expression of Parasporins in *Bacillus thuringiensis*".Undergraduate Research Conference , UTRGV, Edinburg, Texas, USA. (April 23, 2016)
- Jose Garces and Angel Roman and Joanne Nadia Rampersad-Ammons."Cloning and expression of Parasporins in *Bacillus thuringiensis* ".WCBSUR 2016, at Point Loma Nazarene University, , Point Loma Nazarene University, San Diego USA. (April 9, 2016)
- Jacqueline Moctezuma and David Ammons and Joanne Nadia Rampersad-Ammons."Development of an Assay to Determine Bacterial Retention on Leaf Surfaces".HHMI/UTPA Science Education Grant Program. July 31, 2015 , HHMI/UTPA, Edinburg Texas, USA. (July2015)
- Sharon Schembri and Joanne Nadia Rampersad-Ammons."Applying Marketing Research to Investigate Undergraduate Science Student Needs".HHMI Constellation Studio A Meeting June 8-10, 2015,, Howard Hughes Medical Institute, Chevy Chase, Maryland.. (June 8, 2015)
- James Aldridge and Mark Winkel and Thomas Pearson and Joanne Nadia Rampersad-Ammons and Amy Weimer and Sarah Stegall and Arnold Amador."Ethical Principles of Science Students".International Organization of Social

Sciences and Behavioral Research meeting, October 13-14, 2014,, International Organization of Social Sciences and Behavioral Research meeting, Las Vegas, Nevada.. (October2014)

Jordy Tello and Jeffery Bailey and David Ammons and Joanne Nadia Rampersad-Ammons and ."Searching for Parasporins in samples from Lebanon".HHMI/UTPA Science Education Grant Program. August 1, 2014 , HHMI/UTPA, Edinburg Texas, USA. (August2014)

Courtney Galle and Joanne Nadia Rampersad-Ammons and Liang Zeng and Amy Weimer and Dan Plas Plas and Ralph Carlson and Tim Sears and Jessica Lavariega Monforti and Christina Villalobos and Moyra Ruiz."Determining the Impact of Mobile Laboratory Visits on Student Learning.".Mobile Laboratory Coalition Meeting June 24-27 2014, , Mobile Laboratory Coalition , Modesto, California. (June2014)

Angel Roman and David Ammons and Joanne Nadia Rampersad-Ammons and ."Initial characterization of a novel Bacillus thuringiensis.".PACE Biomedical Ethics Conference March 26-29 2014, , UTPA/PACE, Edinburg, Texas, USA. (March2014)

Monica Montiel and Sarah Stegall and Joanne Nadia Rampersad-Ammons."It can wait: Unemployed and employed students' procrastination and motivated strategies for learning".PACE Biomedical Ethics Conference March 26-29 2014, , UTPA/PACE, Edinburg, Texas, USA. (March2014)

Christopher Gonzalez and Emmett Tomai and Joanne Nadia Rampersad-Ammons."Student Research Organizer".PACE Biomedical Ethics Conference March 26-29 2014, , UTPA/PACE, Edinburg, Texas, USA. (March2014)

Bailey Jeffrey and David Ammons and Joanne Nadia Rampersad-Ammons."Isolation and Cytotoxicity Assay Testing of Novel PS5 Genes In Bacillus thuringiensis ".Undergraduate Research Conference November 26 2013, , UTPA, Edinburg, Texas, USA. (November2013)

Monica Garcia and Tzasnan Olmedo and David Ammons and Joanne Nadia Rampersad-Ammons."A novel structure in Bacillus thuringiensis Strain 2-56".HHMI/UTPA Science Education Grant Program 2013 High School Summer Program. August 2, 2013 , HHMI/UTPA, Edinburg Texas, USA . (August2013)

Guadalupe Medina Jr. and Moyra Ruiz and Hassan Ahmad and Joanne Nadia Rampersad-Ammons."10,000 Miles of Biotechnology Education".Mobile Laboratory Coalition Meeting, St. Cloud State Universtiy, St. Cloud, Minnesota. (June 24, 2013)

Joanne Nadia Rampersad-Ammons."Use of Technology to Facilitate Undergraduate Research in the Teaching Laboratory: Building a Student-Mentor Research Community"".Sam Houston State University, (November 15, 2012)

Ralph Carlson Carlson and Amy Weimer and Edna Alfaro and Liang Zeng and Jessica Raley and Emmett Tomai and David Rios and Artem Chebotko and Christine Reilly and Robert Winkle and Nicholas Weimer and Thomas Pearson and Francis Andoh-Baidoo and Frederick Ernst and Robert Dearth and David Ammons and Joanne Nadia Rampersad-Ammons."Development of a computer-assisted student-mentor research community dubbed 'SRO' to address "Persistence of all students"".HHMI Program Directors and Professors meeting October 8-11, 2012, Chevy Chase, Maryland, Howard Hughes Medical Institute, Chevy Chase, Maryland. (October2012)

Alexandra Seas and Hafsa Shamim and Jeffery Bailey and David Ammons and Joanne Nadia Rampersad-Ammons."Bacillus thuringiensis: Finding genes associated with interesting phenotypes of a novel Bt strain ".HESTEC Science Symposium, September 24-29 2012, , UTPA, Edinburg, Texas, USA. (September2012)

Amy Weimer and Ralph Carlson and Emmett Tomai and David Rios and Artem Chebotko and Christine Reilly and Nicholas Weimer and Thomas Pearson and Robert Wrinkle and Francis Andoh-Baidoo and Frederick Ernst and Robert Dearth and David Ammons and Joanne Nadia Rampersad-Ammons."Improving STEM education in research: Preliminary report on the development of a computer-assisted student-mentor research community".PUI Research Conference, July 26-28, 2012, , NSF and Cal State Fullerton, California State University, Fullerton, California, USA. (July2012)

Joanne Rampersad and Michael Lehker and Kristin Gosselink ."Innovative Teaching Strategies".A PRIME TIME: Innovative Strategies for Medical Education Conference , A PRIME Consortium, South Padre Island, Texas . (July 9, 2012)

Joanne Rampersad."Developing a Student Mentor Research Community".Genome Solver Workshop, J. Craig Venter Institute and Georgetown University, Gaithersberg, Maryland . (June 8, 2012)

Amy Weimer Weimer and Thomas Pearson and Nick Weimer and Ralph Carlson and Joanne Nadia Rampersad-Ammons."Developing Ethical Research Communities".PACE Biomedical Ethics Conference March 21-23, 2012, , UTPA PACE, Edinburg, Texas, USA. (March2012)

Anna Gonzales and Joanne Nadia Rampersad-Ammons."Comparison of Two Spectroscopic methods to Differentiate Strains of Bacillus thuringiensis".Annual Biomedical Research Conference for Minority Students, November 9-12 2011 , American Society for Microbiology, St. Louis, Missouri, USA. (November2011)

Ashish Mamachen and Adarsh Mamachen and David Ammons and Joanne Nadia Rampersad-Ammons."Characterization and Analysis of SCCmec elements found in the genus Staphylococcus".HESTEC Science Symposium, September 26- Oct 1 2011, , UTPA, Edinburg, Texas, USA. (October2011)

Martha Salazar and Joel Manrique and David Ammons and Jose Granados and John Short and Joanne Nadia Rampersad-Ammons."Cloning and expression of Parasporin 6".HESTEC Science Symposium, September 26- Oct 1 2011, , UTPA, Edinburg, Texas, USA.. (September2011)

Auriole Tamegnon and David Ammons and Joanne Nadia Rampersad-Ammons."Development in an Assay to screen for Antibacterial activity of Bacillus thuringiensis".HESTEC Science Symposium, September 26- Oct 1 2011, , UTPA, Edinburg, Texas, USA. (September2011)

Desiree Shelton and Maria Reyna and David Ammons and Joanne Nadia Rampersad-Ammons."Preliminary Data Analysis of Antibiotic Resistance in Staphylococci from Hospital samples".HESTEC Science Symposium, September 26- Oct 1 2011, , UTPA, Edinburg, Texas, USA.. (September2011)

Jeffery Bailey and Martha Salazar and David Ammons and Jose Granados and Joanne Nadia Rampersad-Ammons and John Short."Identification of Parasporin proteins that increase Mammalian Cell Membrane Permeability".University of Texas Health Science Center Summer Undergraduate Research Program 2011, , University of Texas Health Science Center, Edinburg, Texas, USA. (August2011)

Joanne Nadia Rampersad-Ammons and David Ammons and Ralph Carlson ."Assessing Undergraduate Laboratory Research Education via A Virtual Research Community-based Platform: A preliminary look at student views on Remuneration".American Society for Microbiology Conference for Undergraduate Educators, July 2-5 2011, , American Society for Microbiology, Baltimore, Maryland, USA. (July2011)

Gabriela Hinojosa and Martha Salazar and Jeffery Bailey and Lourdes Tavares and David Ammons and Joanne Nadia Rampersad-Ammons."A new twist to an old toxin".UTPA Chemistry Symposium 2011, , UTPA, Edinburg, Texas, USA. (April2011)

Joel Manrique and Joanne Nadia Rampersad-Ammons."A Stab in the Dark: A selective screening for Bacillus thuringiensis present in the biofilm of the Rio Grande Valley's Irrigation Network".UTPA Chemistry Symposium 2011, , UTPA, Edinburg, Texas, USA. (April2011)

Ashley Gonzalez and Anna Gonzales and Benjamin Mendez and Benjamin Guzman and Joanne Nadia Rampersad-Ammons and and ."A Survey of Bacteria found in irrigation systems in the Rio Grande Valley".UTPA Chemistry Symposium 2011,, UTPA, Edinburg, Texas, USA.. (April2011)

Anna Gonzales and Joanne Nadia Rampersad-Ammons."Bt fingerprinting using the EDAX".UTPA Chemistry Symposium 2011, , UTPA, Edinburg, Texas, USA. (April2011)

Irwin Mendoza and Veronica Leal and Alonzo Gonzalez and Joel Manrique and Joanne Nadia Rampersad-Ammons and ."Man's New Best Friend...BT? A look into the BT Found in the RGV's Irrigation System".UTPA Chemistry Symposium 2011, , UTPA, Edinburg, Texas, USA. (April2011)

Trevino Diana and Ammons David and Joanne Nadia Rampersad-Ammons."Characterization and Antibiotic Resistance Profile of Staphylococci in the Lower Rio Grande Valley".PACE Biomedical Ethics Conference March 23-25 2011, , UTPA, Edinburg, Texas, USA. (March2011)

Adarsh Mamachen and Ashish Mamachen and David Ammons and Joanne Nadia Rampersad-Ammons."Environmental Prevalence Of mecA Gene in genus Staphylococcus in the Rio Grande Valley".PACE Biomedical Ethics Conference March 23-25 2011, , Edinburg, Texas, USA. (March2011)

Gabriela Hinojosa and Martha Salazar and Jeffery Bailey and Lourdes Tavares and David Ammons and Joanne Nadia Rampersad-Ammons."Screening Bacillus thuringiensis Libraries for Anticancer Activity".PACE Biomedical Ethics Conference March 23-25 2011, , UTPA, Edinburg, Texas, USA. (March2011)

Anna Gonzales and Joanne Nadia Rampersad-Ammons and ."The Identification of strains of Bacillus thuringiensis using the EDAX".PACE Biomedical Ethics Conference March 23-25 2011,, UTPA, Edinburg, Texas, USA. (March2011)

Diana Trevino and David Ammons and Joanne Nadia Rampersad-Ammons."Initial Characterization and Antibiotic Resistance Profile of Staphylococci in the Middle Rio Grande Valley".HESTEC Science Symposium, UTPA, Edinburg, Texas, USA. (September 27, 2010)

Adarsh Mamachen and Ashish Mamachen and David Ammons and Joanne Nadia Rampersad-Ammons."Prevalence Of MecA Gene in genus Staphylococcus in the Rio Grande Valley".HESTEC Science Symposium, UTPA, Edinburg, Texas, USA. (September 27, 2010)

Anna Gonzales and Joanne Nadia Rampersad-Ammons."Raman Spectroscopic Fingerprints for Bacillus thuringiensis Crystals".HESTEC Science Symposium, UTPA, Edinburg, Texas, USA. (September 27, 2010)

Martha Salazar and Jeffery Bailey and Sherley Edinborough and Gabriela Hinojosa and Joanne Nadia Rampersad-Ammons."Improving protein isolation efficiency in Bacillus thuringiensis without loosing parasporal activity".HESTEC Science Symposium, September 27-Oct2 2010, Edinburg, Texas, USA.. (September 27, 2010)

Joanne Nadia Rampersad-Ammons."Integrating research into clinical practice at Student Health Services-how both may benefit".Student Health Services Annual Retreat, UTPA, Edinburg, Texas, USA. (August2010)

Diana Trevino and Raghuvver Puttagunta and David Ammons and Joanne Nadia Rampersad-Ammons."Initial Characterization and Antibiotic Resistance Profile of Staphylococci in the Middle Rio Grande ".University of Texas Galveston Medical Branch Student poster presentations, University of Texas Galveston, Galveston, Texas. (August 12, 2010)

Raghuvver Puttagunta and Diana Trevino and David Ammons and Joanne Nadia Rampersad-Ammons."Community and Environmental Profile of Staphylococci in the Middle Rio Grande Valley".Biomedical Ethics , UTPA, Edinburg, Texas, USA. (April 13, 2010)

Raghuvver Puttagunta and Jose Granados and David Ammons and Joanne Nadia Rampersad-Ammons."Development of a High Throughput Micro Array-Compatible Method to Identify Bacillus thuringiensis (Bt) in the Environment".Biomedical Ethics Conference , Edinburg, Texas, USA. (April 13, 2010)

Eric Gonzalez and Chris Granados and David Ammons and John Short and Joanne Nadia Rampersad-Ammons."In Vitro Proteolysis Coupled With A High-Throughput Assay to Identify Novel Bacillus thuringiensis Crystal Proteins That Are Cytotoxic Against Liver Cancer Cells".PACE Biomedical Ethics Conference April 13-16 2010, , Edinburg, Texas, USA. (April 13, 2010)

Nita Thomas and Joanne Nadia Rampersad-Ammons."Antibiotic Resistance in 7 MRSA isolates found in the Middle Rio Grande Valley".HESTEC Science Symposium, UTPA, Edinburg, Texas, USA. (April 10, 2010)

Raghuvver Puttagunta and Jose Granados and Georgina De La Garza and David Ammons and Joanne Nadia Rampersad-Ammons."An Investigation of Methicillin Resistant Staphylococcus aureus (MRSA) Strains from UTPA students in the Middle Rio Grande Valley".HESTEC Science Symposium, UTPA, Edinburg, Texas, USA. (September 22, 2009)

Raghuvver Puttagunta and Jose Granados and Kristopher Koch and David Ammons and Joanne Nadia Rampersad-Ammons."Development of a High Throughput Array-Compatible Staining Method to Screen for Bacillus thuringiensis (BT) in the Environment".HESTEC Science Symposium, UTPA, Edinburg, Texas, USA. (September 22, 2009)

Jose Granados and Raghuvver Puttagunta and Georgina De La Garza and David Ammons and Joanne Nadia Rampersad-Ammons."Characterization of Methicillin Resistant Staphylococcus aureus (MRSA) Strains from UTPA students in the Middle Rio Grande Valley".American College Health Association, 2009 Annual Meeting, San Fransisco, California, . (May 26, 2009)

Pooja Koolwal and David Ammons and Joanne Nadia Rampersad-Ammons."Development of a RT-PCR, Double NAAT Test for Detection of Chlamydia trachomatis in Urine. ".American Chemical Society, Southwest Regional meeting,, ACS, Little Rock, Arkansas, USA. . (October 1, 2008)

Chris Granados and Antono Reyna and Tom Eubanks and David Ammons and Joanne Nadia Rampersad-Ammons."Transposon Tagged Mutagenesis as a tool for gene discovery in novel Bt strains".HESTEC Science Symposium, UTPA, Edinburg, Texas, USA. (September 22, 2008)

Antonio Ventura and Ramon Cruz and Edgar Lopez and David Ammons and Joanne Nadia Rampersad-Ammons and Luz Rojas Avelizapa."Morphological characterization of the bacterial isolate Bt1-88, a preumptively novel strain of Bacillus thuringiensis.".9th Inter-American Congress of Electron Microscopy, Cusco, Perú. (September 23, 2007)

Andrea Ochoa and Oliver Nuique and Joanne Nadia Rampersad-Ammons."Screening for Bacillus thuringiensis (BT) in the Rio Grande Valley of Texas. ".HESTEC Science Symposium,, UTPA, Edinburg, Texas, USA. (September 23, 2007)

Antonio Ventura and Ramon Cruz and David Ammons and Joanne Nadia Rampersad-Ammons and Edgar Oliver López and Luz Rojas Avelizapa."Caracterización y estudio ultramicroscópico de la cepa Bt1-88".IV Congreso Internacional de Ingeniería Bioquímica y XV Congreso Nacional de Ingeniería Bioquímica, Morelia, Mich. México. . (April2006)

Antonio Ventura and Ramon Cruz and David Ammons and Joanne Nadia Rampersad-Ammons and Luz Rojas Avelizapa."Caracterización de la cepa Bt1-88 de Bacillus thuringiensis".35 Congreso Nacional de Microbiología., Oaxtepec, Morelos. México. . (April 3, 2006)

Joanne Nadia Rampersad-Ammons."Utility of Molecular Diagnostics in Field Applications for Developing Countries".Caribbean Veterinary Association Meeting, University of the West Indies, Mt. Hope, Trinidad, West Indies. (November2004)

Joanne Nadia Rampersad-Ammons."Use of Molecular Diagnostic Techniques in disease diagnosis and genomic characterization".Workshop on Tropical Medicine, The University of the West Indies School of Veterinary Medicine, Mt. Hope, Trinidad, West Indies. (January2004)

Teaching

Teaching Experience

CHEM 1101, General Chemistry Lab I, 2 Course(s)

CHEM 1301, General Chemistry I, 12 Course(s)

CHEM 1311, General Chemistry I, 26 Course(s)

CHEM 3103, Biochemistry I Lab, 4 Course(s)
 CHEM 3103, Biochemistry Lab, 8 Course(s)
 CHEM 3206, Advanced Chem Research I, 4 Course(s)
 CHEM 3303, Biochemistry, 14 Course(s)
 CHEM 3303, Biochemistry I, 16 Course(s)
 CHEM 4201, Chemistry Problems I, 1 Course(s)
 CHEM 4203, Advanced Biochem Lab, 4 Course(s)
 EEMS 6385, Graduate Research, 3 Course(s)
 EEMS 7100, Continuing Thesis, 3 Course(s)
 EEMS 7300, Thesis I, 2 Course(s)
 EEMS 7301, Thesis II, 1 Course(s)
 MARS 3350, General Aquaculture, 7 Course(s)
 UNIV 4000, Directed Research, 4 Course(s)

Non-Credit Instruction

- Other, UTRGV, 15. (June 2016 - July 2017)
- Guest Lecture, UTRGV, 10. (September 2015 - September 30, 2015)
- Other, UTRGV, 100. (September 1, 2012 - September 1, 2013)

Directed Student Learning

Undergraduate Capstone/Senior Project,Alonso Fernandez and Eduardo Miranda and Nicolas Ramos. Creation of an amphibious vehicle to aid oyster research, Department of Mechanical Engineering. (January 2023)

Undergraduate Capstone/Senior Project,Christopher Victorino and Hector Saldana and Ahmed Jalil and Jacob Leal. Creation of a Prawn Mixer, Department of Mechanical Engineering. (January 2023)

Undergraduate Capstone/Senior Project,Jerry Covarrubias and Raquel Elizondo and Suzette Zenteno and Luis Alvarez. Creation of a honeybee swarm trap, Department of Mechanical Engineering. (January 2023)

Master's Thesis Committee Chair,David Bazan. Oyster Culture in the Lower Laguna Madre, School of Earth, Environmental, and Marine Sciences. (January 2022)

Master's Thesis Committee Chair,Jerad Fueling. GROWTH RATES AND MORPHOLOGY ASSESSMENT OF THE SOUTHERN POPULATION OF CRASSOSTREA VIRGINICA IN THE LOWER LAGUNA MADRE USING OFF-BOTTOM GROW-OUT METHODS, School of Earth, Environmental, and Marine Sciences. (September 2019)

Undergraduate Capstone/Senior Project,Joshua Banda and Allan Vazquez and Alan Urteaga and Cesar Villanueva. Anchoring system for horizontal longline oyster culture, Department of Mechanical Engineering. (January 2022 - December 2023)

Internship Advisor,Suzette Zenteno and Luis Alvarez. Creation of a timed feeder and oyster support clips, Department of Mechanical Engineering. (May 2023 - August 2023)

Undergraduate Supervised Research,Alyssa Alvarez. Use of Soldier Fly larvae as aquaculture feedstock, School of Earth, Environmental, and Marine Sciences. (June 2022 - February 2023)

Undergraduate Capstone/Senior Project,Brien Sifuentes and Adrian Vargas and Luis Gerardo and Thomas Courtney. Device for harvesting mesquite beans using high wind velocity, Department of Mechanical Engineering. (January 2022 - December 2022)

Undergraduate Capstone/Senior Project,Miguel Martinez and Benjamin Huerta and Paul Silva and Joshua Sanchez. Mesquite bean harvester, Department of Mechanical Engineering. (January 2021 - December 2021)

Undergraduate Capstone/Senior Project,Reyes Mendoza and Israel Falcon and Sabrina Dogerty and Jacob Gil and Alejandro Garcia. Bee Scale, Department of Mechanical Engineering. (January 2021 - December 2021)

Undergraduate Capstone/Senior Project,Roberto Cabello and Farhia Ahmad and Jack Summers and Clarissa Garcia. Sea cradle for mechanized oyster setting, Department of Mechanical Engineering. (September 2020 - May 2021)

Supervised Teaching Activity,Hameem Gorabi and Hugo Candia and Jose Montoya and Osvaldo Erdmenger. Aquaculture sensors for Sustainable Agriculture, Department of Mechanical Engineering. (September 2020 - December 2020)

Undergraduate Capstone/Senior Project,Alexandra Salinas and Stephanie Ramos and Carlos Guzman and Victoria Garza. Harvesting Mesquite Beans, Department of Mechanical Engineering. (January 2020 - December 2020)

Undergraduate Capstone/Senior Project,Odalys Rodriguez and Laura Escobar and Luis Guzman and Osvaldo Ramirez. Oyster grow out, Department of Mechanical Engineering. (January 2020 - December 2020)

Master's Thesis Committee Member,Ricardo Ramirez Garcia-Rojas . School of Earth, Environmental, and Marine Sciences. (March 2019 - August 2020)

Master's Thesis Committee Member,Ashley Bowers. School of Earth, Environmental, and Marine Sciences. (May 2019 - May 2020)

Master's Thesis Committee Member,August Planam. School of Earth, Environmental, and Marine Sciences. (May 2019 - May 2020)

Master's Thesis Committee Member,Daisy Mendez. Department of Health and Biomedical Sciences. (May 2019 - May 2020)

Undergraduate Directed Individual/Independent Study,Gilberto Vento. Identifying Potential Bacillus thuringiensis Candidates to Control Aethina tumida, (January 2019 - May 2019)

Undergraduate Directed Individual/Independent Study,William Reckley. Water quality sensor development using a smartphone, (September 2018 - May 2019)

Undergraduate Supervised Research,Daniela De La Cruz. Bacterial Assassins- The Future For Combating Bacterial Diseases in Shrimp , Department of Biology. (May 2018 - November 2018)

Undergraduate Supervised Research,Jasminn Del Rio. Biology of a novel green alga for aquaculture applicaiton, Department of Biology. (June 2018 - August 2018)

Undergraduate Supervised Research,Karina Chavez. Growing lettuce for aquaponics systems, Department of Biology. (June 2018 - August 2018)

Undergraduate Supervised Research,Daniel Gonzalez. Dermo in bivalves of the Lower Laguna Madre, Department of Biology. (February 2017 - August 2018)

Internship Advisor,Brittney Jasso. U-TEACH Internship, Department of Biology. (February 2018 - May 2018)

Internship Advisor,Cassandra Garcia. U-TEACH Internship, Department of Biology. (February 2018 - May 2018)

Undergraduate Honors Activities,Melissa Salinas. Isolation of Vibrios from the marine environment, Department of Biology. (February 2018 - May 2018)

Undergraduate Honors Activities,Neida Razo. Isolation of Bdellovibrios from the marine environment, Department of Biology. (February 2018 - May 2018)

Undergraduate Honors Activities,Sonal Jha. Viability of the API ammonium testing kit for measuring ammonium concentrations, Biology (UTPA). (September 2017 - April 13, 2018)

Internship Advisor,Valeria Salinas. U-TEACH Internship, Department of Biology. (September 2017 - December 2017)

Undergraduate Honors Thesis,Louay Baachnak. Isolation of marine Vibrios , Department of Biology. (December 4, 2017)

Undergraduate Supervised Research,Deanna Pollard. (June 2017 - August 2017)

Undergraduate Supervised Research,Adesewa Ewere. (September 2016 - May 2017)

Undergraduate Supervised Research,Ariza Martinez. (February 2016 - December 2016)

Undergraduate Supervised Research,Valeria Sanchez. (February 2016 - December 2016)

Graduate Supervised Research,Daniela Kuri. (October 2015 - August 2016)

Graduate Supervised Research,Arnold Amador. (September 2014 - August 2016)

Undergraduate Honors Activities,Gilberto Vento. (February 2016 - May 2016)

Undergraduate Supervised Research,Lopez Lucila. (September 2015 - May 2016)

Undergraduate Supervised Research,Jose Garces-Cavazos. (February 2014 - May 2016)

Master's Thesis Committee Member,Nilda Camarena. Other (within UTPA). (December 2014)

Undergraduate Supervised Research,Marco Martinez Cruz. (May 2013 - December 2014)

Undergraduate Honors Activities,Monica Monteil. (September 2013 - August 2014)

Undergraduate Supervised Research,Angel Roman. (September 2013 - August 2014)

Graduate Supervised Research,Sarah Stegall. (January 2013 - August 2014)

Undergraduate Supervised Research,Joseph Watson. (January 2013 - August 2014)

Undergraduate Supervised Research,Christopher Gonzalez. (September 2012 - August 2014)

Undergraduate Supervised Research,Jeffrey Bailey. (May 2010 - May 2014)

Undergraduate Supervised Research,Martha Salazar. (May 2010 - December 2013)

Undergraduate Supervised Research,Megan Nelson. (May 2013 - August 2013)

Undergraduate Supervised Research, Alfredo Siller. (February 2013 - August 2013)

Undergraduate Honors Thesis, Edgar Casillas. Other (within UTPA). (April 2013)

Undergraduate Supervised Research, Rogelio Cazares. (September 30, 2012 - December 15, 2012)

Undergraduate Supervised Research, Joel Manrique. (January 2011 - August 2012)

Master's Thesis Committee Chair, Auriole Tamegnon. (May 2012)

Undergraduate Supervised Research, Adarsh Mamachen. (January 2012 - May 2012)

Undergraduate Supervised Research, Zulitharia Hinojosa. (January 2012 - May 2012)

Undergraduate Supervised Research, Amanda Jiminez. (July 2011 - May 2012)

Undergraduate Supervised Research, Mitzy Solis. (June 2011 - May 2012)

Undergraduate Directed Individual/Independent Study, Desiree Shelton. (May 2011 - May 2012)

Undergraduate Supervised Research, Juan Alex Garcia. (May 2011 - May 2012)

Undergraduate Supervised Research, Ashish Mamachen. (January 2010 - May 2012)

Master's Thesis Committee Chair, Diana Trevino. Other (within UTPA). (December 2011)

Undergraduate Directed Individual/Independent Study, Anna Gonzales. (May 2010 - December 2011)

Master's Thesis Committee Member, Brenda Benavides. (May 2011)

Master's Thesis Committee Member, Julian Medrano. (May 2011)

Undergraduate Honors Thesis, Marco Setien. (December 2010)

Master's Thesis Committee Member, Effren Rodriguez. (May 2010)

Undergraduate Honors Thesis, Camilo Gonzalez. (May 2010)

Undergraduate Honors Thesis, Domingo Molina. (May 2010)

Undergraduate Honors Thesis, Winshun Lai. (May 2009)

Master's Thesis Committee Member, Annie Mancha. (May 2008)

Service

Department Service

Attendee, Meeting, Committee to revise Workload policy and align Annual Review with T&P/Post tenure standards (2023 - 2024)

Committee Member, SEEMS Post Tenure Committee (2019 - 2024)

Committee Member, Sustainable Agriculture and Food Systems Undergraduate Program Curriculum Committee (2019 - August 2024)

Faculty Advisor, Advising Science Majors (September 2006 - August 2024)

Faculty Mentor, (September 2018 - May 2024)

Committee Member, SEEMS Tenure and Promotion (2018 - March 2024)

Committee Chair, SEEMS Post Tenure Committee (2020 - 2022)

Committee Chair, Search committee for an Assistant Professor in Environmental and Natural Resources Economics (January 2022 - April 2022)

Committee Member, SEEMS Search Committee for Marine Scientist (November 2018 - April 2020)

Committee Chair, SEEMS Annual Review Committee (September 2018 - February 2020)

Committee Member, Chemistry Tenure and Promotion Committee (September 2012 - August 2018)

Committee Member, Search Committee for Food technology, safety and chemistry cluster hire (November 2017 - May 2018)

Committee Chair, Chemistry Curriculum Committee (September 2017 - May 2018)

Committee Member, Chemistry Teaching Lab committee (September 2017 - May 2018)

Committee Member, Search committee for social-ecological systems (November 2017 - April 2018)

Committee Member, Merit committee (September 2007 - August 2017)

Committee Member, Search Committee for a Soil Conservationist (March 2017 - April 2017)

Committee Chair, Chemistry Curriculum Committee (September 2008 - August 2016)

Committee Member, Standing Committee for General Chemistry (September 2006 - August 2016)

Committee Member, Search committee for 3 year lecturers in the Chemistry Department (May 2015 - June 2015)

Committee Member, Search committee for a Biochemistry faculty position (February 2015 - April 2015)

Committee Member, Research Enhancement Committee (September 2011 - August 2012)

Committee Member, Member of an Ad Hoc Committee for petitioning that a Biochemistry Degree Option be started at UTPA (November 2006 - August 2012)

Committee Member, Graduate Committee (September 2006 - August 2012)

Committee Chair, Tenure Track Committee (September 2009 - August 2010)

Committee Member, Faculty Promotion and Tenure committee to look at revisions to the Departmental Promotion and Tenure document (September 2008 - August 2010)

Committee Member, Search Committee for an Inorganic Chemist (January 2010 - March 2010)

Committee Member, Search Committee for a new chair for the Department of Chemistry (February 2009 - March 2009)

Committee Chair, Master of Science in Interdisciplinary Science in Chemical Education (September 2007 - August 2008)

Committee Member, Chemistry Curriculum Committee (August 2007 - August 2008)

Committee Member, Search Committee for an Assistant Professor in Physical Chemistry (November 2007 - March 2008)

Committee Chair, Member of an Ad Hoc committee for Student Grievances in the Department of Chemistry (May 2007 - May 2007)

Committee Member, Search Committee for an Assistant Professor in Chemical Education (November 2006 - March 2007)

Committee Member, HESTEC, 2006, Student Research Poster Evaluation Committee for the Chemistry Department (September 2006 - September 2006)

College Service

Committee Member, Center for Sustainable Agriculture and Rural Advancement (August 2017)

Committee Member, College Promotion and Tenure Committee (January 2022 - February 2022)

Other, Mobile Laboratory Coordinator Supervisor (September 2016 - 2019)

Committee Chair, Search committee for a new Mobile Laboratory Coordinator (September 2015 - September 2016)

Other, HHMI/UTRGV Science Education Grant Co-Coordinator in charge of outreach, assessment and community building activities (September 2012 - January 2015)

Committee Member, Search committee for a new HHMI/C-STEM Program Coordinator (October 2013 - December 2014)

Committee Member, Search committee for a new Mobile Laboratory Coordinator (September 2013 - October 2013)

Committee Member, Member UTPA A-PRIME-TIME committee (2010 - August 2012)

Committee Member, Member of the committee for writing a new HHMI Science Education Grant proposal (September 2011 - October 2011)

Committee Member, Member of Ad Hoc committee for advertising the HHMI STRIDES (2010 - June 2011)

Committee Member, Member of the Council for the College of Science and Engineering (November 2008 - August 2010)

Committee Member, Member of an Ad Hoc committees for selecting Teachers for the HHMI Scholarship Program (May 2008 - June 2010)

University Service

Committee Member, Women's Faculty Network Tenure Committee (October 2013 - August 2015)

Committee Member, Institutional Review Board (2007 - August 2015)

Program Organizer, Title V Faculty Assessment coordinator (October 2013 - January 2015)

Committee Member, Institutional Radiation and Biosafety Committee (September 1, 2012 - August 31, 2014)

Committee Member, Member of a team to write a Title V proposal to the US Department of Education. (March 2012 - April 2012)

Committee Chair, Chair of the Institutional Radiation and Biosafety Committee at UTPA (September 2008 - August 2010)

Development Activities Attended

- Conference Attendance, "6th Annual Stem-Ed Conference", UTRGV (February 16, 2023 - February 17, 2023)

- Conference Attendance, "5th Annual Stem-Ed Conference", UTRGV (February 10, 2022 - February 12, 2022)
- Tutorial, "COLTT Open House Passport meeting", UTRGV COLTT (November 10, 2017 - November 10, 2017)
- Workshop, "Inaugural RGV STEM Education Symposium ", UTRGV College of Education and P16 Integration (November 10, 2017 - November 10, 2017)
- Workshop/discussion, "Operationalizing Community Engagement- Lunch and Conversation with Diane Doberneck", UTRGV Office of Community Engagement and Assessment (October 11, 2017 - October 11, 2017)
- Workshop, "Implementing Course-Based Research Experiences (CREs) At Scale: Building the Value Proposition", Howard Hughes Medical Institute (November 16, 2016 - November 18, 2016)
- Workshop, "Designing Educational Innovations for Sustained Adoption", (September 2015 - October 2015)
- Conference Attendance, "International Association of Medical Educators conference in San Diego", IAME (June 12, 2015 - June 15, 2015)
- Workshop, "Promoting Persistence and Success: Adapting Promising Practices and Promoting Institutional Change", Howard Hughes Medical Institute (June 8, 2015 - June 10, 2015)
- Conference Attendance, "Mentoring Conference", University of New Mexico (October 20, 2014 - October 24, 2014)
- Workshop, "Enhancing Biological Science Research Opportunities at Primarily Undergraduate Institutions (PUIs): Sustaining and Evolving Research", National Science Foundation (April 17, 2013 - April 18, 2013)
- Conference Attendance, "PUI Research Conference", National Science Foundation (July 26, 2012 - July 28, 2012)
- Conference Attendance, "Innovative Strategies for Medical Education Conference ", A PRIME Consortium (UTPA, UTB, UTMB, UT El Paso, UT Health Science Center Houston) (July 9, 2012 - July 10, 2012)
- Workshop, "Genome Solver Workshop", J. Craig Venter Institute and Georgetown University (June 7, 2012 - June 8, 2012)
- Conference Attendance, "ASM CUE", American Society for Microbiology/NSF (June 2, 2011 - June 5, 2011)
- Faculty Internship, "ASM/NSF Biology Scholars Program Research Residency", American Society for Microbiology/NSF (July 14, 2010 - July 17, 2010)
- Workshop, "HSI Follow-UP ", Quality Education for Minorities Network (December 4, 2009 - December 5, 2009)
- Workshop, "HSI Forum ", Quality Education for Minorities Network (September 25, 2009 - September 26, 2009)
- Workshop, "UK/NIGMS Grant Writing Workshop", University of Kentucky, NIH (May 11, 2009 - May 13, 2009)

Professional Service

- Reviewer, Ad Hoc Reviewer, Texas Sea Grant. (2023 - 2023)
- Program Organizer, UTRGV Professional Development Series to introduce Practicing Ag engineers to engineering students. (2019 - 2023)
- Discussant, UTRGV COLTT National Distance Learning Week Engagement Panel. Edinburg, Texas (November 2020)
- Discussant, Sustainability Series in Engineering titled "Future of food: Sustainable Agriculture, Aquaculture and Apiculture. Edinburg, Texas (October 2020)
- Committee Member, UTRGV STEM Education Consortium Steering Committee. (October 2017 - 2019)
- Guest Speaker, C-STEM. (February 7, 2018 - February 7, 2018)
- Reviewer, Journal Article, (September 2017 - January 2018)
- Discussant, The National Academies of Sciences, Engineering and Medicine . (October 23, 2017 - October 23, 2017)
- Reviewer, Journal Article, Scientific Journal. (August 2012 - September 2017)
- Committee Member, Collegiality issues on the UTPA campus.. (November 2013 - August 2017)
- Other, Chemistry Department Faculty Mentor. (October 2013 - August 2017)
- Other, Mobile Laboratory Coordinator. (September 2013 - August 31, 2017)
- Discussant, Group to get research infrastructure fixed on campus e.g. lab access, IT needs . (December 2016 - June 2017)
- Other, Local area school teachers. (September 2013 - June 2017)
- Judge, UTRGV Geol 4408 Class. Edinburg, (May 3, 2017 - May 3, 2017)
- Grant Proposal Reviewer, External, National Science Foundation . (October 2015 - March 2017)
- Committee Member, Evaluation UTRGV School of Medicine Subcommittee. (September 2015 - January 2017)

Committee Member, Learning Community for Course Based Undergraduate Research. (November 2015 - August 2016)

Other, Chemistry Department Peer Evaluator of Teaching. (March 2013 - December 2015)

Other, UTRGV School of Medicine, Discipline Coordinator, Microbiology. (December 1, 2014 - August 31, 2015)

Other, Visiting Chemistry faculty. (February 27, 2015 - February 27, 2015)

Guest Speaker, Alpha Lambda Delta Honor Society . (November 25, 2014 - November 25, 2014)

Committee Co-Chair, National Institutes of Health (NIH) grant 'BUILD South Texas'. (March 2014 - April 2014)

Reviewer, Ad Hoc Reviewer, American Society for Microbiology MicrobeLibrary . (May 2011 - May 2011)

Other, Bridges student mentor. (2009 - 2010)

Advisory Board Member, Shellfish Sanitation Guidelines for the Republic of Trinidad and Tobago. (1994 - 1995)

Other, Government of Trinidad and Tobago Hospital. (1993 - 1995)

Professional Memberships

American Fisheries Society, (aFS)

American Society for Microbiology, (ASM)

Public Service

Other, Local Aquaculture farmers. (September 2017)

Attendee, Meeting, Ad Hoc Honey Beekeepers meeting. Mission, Texas (December 2016)

Other, Cultivated Oyster Mariculture Workshop. South Padre Island, (August 5, 2021 - August 6, 2021)

Member, Texas Representative Todd Hunter's Texas Mariculture Taskforce . (May 2020)

Other, UTRGV Science Education Program, High School Internship. (May 2011 - July 2016)

Judge, Weslaco ISD Science Fair. Weslaco, (January 2012 - February 2015)

Guest Speaker, Career talks to visiting middle and high school students from local ISDs. (2008 - June 2014)

Discussant, MCAT improvement. (January 2010)