

APPENDIX XI

List of Publications

The following is a list of publications made by former MIE, SRDC and SUAGM alumni.
(The names of the alumni are represented in **bold**)

2015

1. **Amir M. González-Delgado**, Jamshid Ashigh, Manoj K. Shukla, Russ Perkins (2015). *Mobility of Indaziflam Influenced by Soil Properties in a Semi-Arid Area*. PLoS ONE 10(5): e0126100. doi:10.1371/journal.pone.0126100
2. Malyn May Asuncion Valenzuela, Heather R Ferguson Bennit, Amber Gonda, **Carlos J Diaz Osterman**, Abby Hibma, Salma Khan, Nathan R Wall. *Exosomes Secreted from Human Cancer Cell Lines Contain Inhibitors of Apoptosis (IAP)*. Cancer Microenviron 2015 May 16. Epub 2015 May 16. OI10.1007/s12307-015-0167-9
3. *Asuncion Valenzuela MM, Castro I, Gonda A, **Diaz Osterman CJ**, Jutzy JM, Aspe JR, Khan S, Neidigh JW, Wall NR. Cell death in response to antimetabolites directed at ribonucleotide reductase and thymidylate synthase*. February 2015 Volume 2015:8 Pages 495—507, DOI <http://dx.doi.org/10.2147/OTT.S79647>
4. **Gonzalez, O. I.**, Novaco, R. W., Reger, M. A., & Gahm, G. A. (2015) *Anger Intensification With Combat-Related PTSD and Depression Comorbidity*. Psychological Trauma: Theory, Research, Practice, and Policy. Advance online publication. <http://dx.doi.org/10.1037/tra0000042>
5. **Dalvin D. Méndez-Hernández**, Jason G. Gillmore, Luis A. Montano, Devens Gust, Thomas A. Moore, Ana L. Moore and Vladimiro Mujica. (2015). *Building and testing correlations for the estimation of one-electron reduction potentials of a diverse set of organic molecules*. Journal of Physical Organic Chemistry, Volume 28, Issue 5
6. Daniel Casimir, **Raul Garcia-Sanchez**, Prabhakar Misra *Raman Spectroscopy, Modeling and Simulation Studies of Carbon Nanotubes*, Daniel Casimir, Raul Garcia-Sanchez and Prabhakar Misra, Chapter in "Applied Spectroscopy and the Science of Nanomaterials," Prabhakar Misra (Editor), Progress in Optical Science and Photonics, Vol. 2, Springer, New York, 2015, ISBN 978-981-287-241-8, DOI 10.1007/978-981-287-242-5.
7. **Ruth M. Castellanos-Rivera**, Ellen S Pentz, Eugene Lin, Kenneth W Gross, Silvia Medrano, Jing Yu, Maria Luisa S Sequeira-Lopez, R Ariel Gomez (2015). *Recombination signal binding protein for Ig-κJ region regulates juxtglomerular cell phenotype by activating the myo-endocrine program and suppressing ectopic gene expression*. Journal of the American Society of Nephrology, 5;26(1):67-80. Epub 2014 Jun 5.

2014

8. **Angel A Garcia** and Gregory K Druschel (2014). *Elemental Sulfur Coarsening Kinetics*. Research Article, Geochemical Transactions, 15:11 doi:10.1186/s12932-014-0011-z
9. **Báez-Santos YM**¹, St John SE¹, Mesecar AD². (2014). *The SARS-coronavirus papain-like protease: Structure, function and inhibition by designed antiviral compounds*. Antiviral Research; 115. DOI:10.1016/j.antiviral.
10. Aspe JR, **Diaz Osterman CJ**, Jutzy JMS, Deshields S, Whang S, Wall NR. Enhancement of Gemcitabine sensitivity in pancreatic adenocarcinoma by novel exosome-mediated delivery of the Survivin-T34A mutant. J Extracellular Vesicles, 3: 1-8, 2014.
11. Galloway NR, **Diaz Osterman CJ**, Reiber K, Jutzy JMS, Li F, Sui G, Soto U, Wall NR. Ying Yang 1 regulates the transcriptional repression of Survivin. Biochemical and Biophysical Research Communications, 445(1): 208-213, 2014
12. **Dalvin Mendez-Hernandez**, "Experimental and Computational Studies on The Design of Dyes for Water-splitting Dye-sensitized Photoelectrochemical Tandem Cells". (PhD. Dissertation 2014)
13. Sharon L. Harlan 1,*, Gerardo Chowell 1, Shuo Yang 2, Diana B. Petitti, **Emmanuel J. Morales Butler**, Benjamin L. Ruddell and Darren M. Ruddell (2014). *Heat-Related Deaths in Hot Cities: Estimates of Human Tolerance to High Temperature Thresholds*. International Journal of Environmental Research and Public Health ISSN 1660-4601
14. **Emmanuel Morales-Butler**. "Applications of Nonlinear Systems of Ordinary Differential Equations and Volterra Integral Equations to Infectious Disease Epidemiology". Arizona State University. (PhD. Dissertation 2014)
15. Cabán-Hernández K1, **Gaudier JF**, Ruiz-Jiménez C, Espino AM. (2014). *Development of Two Antibody Detection Enzyme-Linked Immunosorbent Assays for Serodiagnosis of Human Chronic Fascioliasis*. J Clin Microbiol, 52(3):766-72. doi: 10.1128/JCM.02875-13. Epub 2013 Dec 18
16. **Yahira M. Baez-Santos**, Anna M. Mielech, Xufang Deng, Susan Baker, Andrew D. Mesecar (2014). *Catalytic Function and Substrate Specificity of the PLpro Domain of nsp3 from the Middle East Respiratory Syndrome Coronavirus (MERS-CoV)*. Journal of Virology (Impact Factor: 4.65). 08/2014; DOI: 10.1128/JVI.01294-14

17. **Yahira M Baez-Santos**, Scott J Barraza, Michael W Wilson, Michael P. Agius, Anna M Mielech, Nicole M Davis, Susan C Baker, Scott D Larsen, Andrew D Mesecar. (2014). *X-Ray Structural and Biological Evaluation of a Series of Potent and Highly Selective Inhibitors of Human Coronavirus Papain-Like Proteases*. Journal of Medicinal Chemistry 02/2014; 57(6). DOI:10.1021/jm401712t
18. Sharon L Harlan, S, Gerardo Chowell, Shuo Yang, Diana B Petitti, **Emmanuel J Morales Butler**, Benjamin L Ruddell, Darren M Ruddell (2014). *Heat-related deaths in hot cities: Estimates of human tolerance to high temperature thresholds*. International Journal of Environmental Research Public Health
19. Quidgley J, **Cruz N**, Crespo MJ (2014). *Atorvastatin improves systolic function, but does not prevent the development of dilated cardiomyopathy in streptozotocin-induced diabetic rats*. Ther Adv Cardiovasc Dis. 2014 Apr 23;8(4):133-144
20. Bryan A. Wilson, **Nildris Cruz-Diaz**, Allyson Marshall, Nancy T. Pirro, Yixin Su, Tanyan M. Gwathmey, James C. Rose, Mark C. Chappell (2014) *An Angiotensin-(1-7) Endopeptidase in the Kidney Cortex, Proximal Tubules and Human HK-2 Epithelial Cells that is Distinct from Insulin Degrading Enzyme*. American journal of physiology. Renal physiology (Impact Factor: 3.3). 01/2015; 308(6):ajprenal.00609.2014. DOI: 10.1152/ajprenal.00609.2014
21. Jitendra Kumar Jha, **Reinaldo Santos-Ortiz**, Jincheng Du, Nigel D. Shepherd (2014). *Semiconductor to metal transition in degenerate ZnO: Al films and the impact on its carrier scattering mechanisms and bandgap for OLED applications*. Journal of Materials Science: Materials in Electronics, Volume 25, Issue 3, pp 1492-1498
22. **Reinaldo Santos-Ortiz**, Jitendra Kumar Jha, Wei Sun, Gilbert Nyandoto, Jincheng Du and Nigel D Shepherd (2014). *Defect structure and chemical bonding of p-type ZnO:Sb thin films prepared by pulsed laser deposition*. Semicond. Sci. Technol. 29 115019 doi:10.1088/0268-1242/29/11/115019.
23. **Weyshla A Rodríguez-Rodríguez**, Jadiel Colón, Roger Guzmán, Harry Rivera and Mitk'El B Santiago-Berrios1. *Synthesis, characterization and electrochemical characterization of lead selenide sub-micron particles capped with a benzoate ligand and prepared at different temperatures*. Mater. Res. Express 1 035906. doi:10.1088/2053-1591/1/3/035906. Published 19 September 2014.

2013

24. **Méndez-Hernández DD**¹, Tarakeshwar P, Gust D, Moore TA, Moore AL, Mujica V. (2013). *Simple and accurate correlation of experimental redox potentials and DFT-calculated HOMO/LUMO energies of polycyclic aromatic hydrocarbons*. Journal of Molecular Modeling
25. **María A. Vélez-Quiñones** (2013). *“Study of Viable Airborne Bacterial Populations in Mali using Phenotypic and Phylogenetic Characterization”*. Howard University (HU), Biology (Microbiology), (Ph.D.Dissertation)
26. **Raul F. Garcia-Sanchez** †, Tariq Ahmido ‡, Daniel Casimir †, Shankar Baliga §, and Prabhakar Misra. *Thermal Effects Associated with the Raman Spectroscopy of WO₃ Gas-Sensor Materials*. . Phys. Chem. A, 2013, 117 (50), pp 13825–13831 DOI: 10.1021/jp408303p. Publication Date (Web): October 2, 2013
27. Christian Vélez¹, Osvaldo Cox¹, Carlos A. Rosado-Berrios², Dennise Molina¹, Luz Arroyo¹, **Sujej Carro**³, Anton Filikov⁴, Vineet Kumar⁴, Sanjay V. Malhotra⁴, Marisol Cordero⁵, Beatriz Zayas^{1*}. *Novel Nitrobenzazolo[3,2-a]quinolinium Salts Induce Cell Death through a Mechanism Involving DNA Damage, Cell Cycle Changes, and Mitochondrial Permeabilization*. Open Journal of Apoptosis, 2013, 2, 13-22, doi:10.4236/ojapo.2013.22002 Published Online April 2013.
28. **Yahaira Naaldijk**, Annett Friedrich-Stöckigt, Sebastian Sethe and Alexandra Stolzing (2013). *Comparison of different cooling rates for fibroblast and keratinocyte cryopreservation*. *Journal of Tissue Engineering Regenerative Medicine*. Published online in Wiley Online Library (wileyonlinelibrary.com) DOI: 10.1002/term.1815.

2012

30. **Cordero-Soto, R.** (2012). *Solutions for Time-Dependent Schrödinger Equations with Applications to Quantum Dots*, Theoretical Concepts of Quantum Mechanics, Mohammad Reza Pahlavani (Ed.), ISBN: 978-953-51-0088-1, InTech
31. **Baek Hwan Cho, Ivan Cao-Berg, Jennifer Ann Bakal & Robert F Murphy**. *OMERO.searcher: content-based image search for microscope images*. *Nature Methods* 9, 633–634 (2012) doi:10.1038/nmeth.2086 Published online 28 June 2012
32. **Gaudier JF**¹, Cabán-Hernández K, Osuna A, Espino AM.(2012). *Biochemical characterization and differential expression of a 16.5-kilodalton tegument-associated antigen from the liver fluke Fasciola hepatica*. Clin Vaccine immunol, 19(3): 325-333, PMID: PCM3294618
33. **Cabán-Hernández K1, Gaudier JF, Espino AM.**(2012). *Characterization and Differential Expression of a Ferritin Protein from Fasciola Hepatica*. *Mol Biochem Parasitol.* 2012 Mar-Apr;182(1-2):54-61. doi: 10.1016/j.molbiopara.2011.12.005. Epub 2011

34. Hernández LI¹, Godin R, Bergkamp JJ, Llansola Portolés MJ, Sherman BD, Tomlin J, Kodis G, **Méndez-Hernández DD**, Bertolotti S, Chesta CA, Mariño-Ochoa E, Moore AL, Moore TA, Cosa G, Palacios RE. (2012). *Spectral Characteristics and Photosensitization of TiO₂ Nanoparticles in Reverse Micelles by Perylenes*. The Journal of Physical Chemistry B, 117(16). DOI: 10.1021/jp3086792
35. Brandee A Price, Ivette M Sandoval, Fung Chan, Ralph Nichols, **Ramon Roman-Sanchez**, Theodore G Wensel, John H Wilson. *Rhodopsin Gene Expression Determines Rod Outer Segment Size and Rod Cell Resistance to a Dominant-Negative Neurodegeneration Mutant*. Published: November 21, 2012 •DOI: 10.1371/journal.pone.0049889
36. **Ruth Castellanos-Rivera**. "*RBP-J Regulates the Identity and Plasticity of Renin Cells*". University of Virginia. (PhD. Dissertation 2012)
37. **Thompson LeBlanc**. "The Role Disks in the Angular Momentum Evolution of Young Stars". Fisk University. (PhD. Dissertation 2012)

2011

38. **Amir González-Delgado**. "*Effect of Hydraulic Properties of Porous Media on Solute Transport Under Variable Saturated Flow Conditions in Repacked Columns*". New Mexico State University (2011) (Ph.D. Dissertation)
39. **Ana Mercedes-Camacho**. "*PIN1WW Domain Ligands, Catalytic Inhibitors, and the Mechanism*". Virginia Tech University (2011). (Ph.D. Dissertation)
40. **Cordero-Soto, R.**, & Suslov, S. K. (2011). *The degenerate parametric oscillator and ince's equation*. Journal of Physics A: Mathematical and Theoretical, 44(1)
41. **Cordero-Soto, R.** (2011) "*Solvable Time-Dependent Models in Quantum Mechanics*", February, 2011. (Ph.D. Dissertation)
42. Ramos, M., Ferrer, D., Chianelli, R., **Correa, V.**, **Serrano-Matos, J.**, & Flores, S. (2011). *Synthesis of ag-au nanoparticles by galvanic replacement and their morphological studies by rtem and computational modeling*. Journal of Nanomaterials, 2011, doi: 10.1155/2011/3740
43. M.A. Ramos, **V. Correa**, B. Torres, S. Flores, J.R. Farias Mancilla & R.R. Chianelli. (2011) "*Spherical MoS₂ micro particles and their surface dispersion due to addition of cobalt promoters*". Revista Mexicana de Física, ISSN: 0035-001X
44. **Gonzalez-Delgado, A.**, & Shukla, M. (2011). *Coupled transport of nitrate and chloride in soil columns*. Soil Science, 176(7), 346-355.
45. **Gonzalez-Delgado, A.**, M.K. Shukla, A.L. Ulery, A.S. Bawazir and P.V. Brady. (2011). "*Saturated Hydraulic Conductivity of Self-Sealing Lining Materials for Desalination Evaporation Ponds*". Desalination and Water Treatment. 29(1-3):187-195. DOI: 10.5004/dwt.2011.2024
46. **Gonzalez-Delgado, A.** and M.K. Shukla. (2011). "*Coupled Transport of Nitrate and Chloride in Soil Columns*". Soil Science: Volume 176 - Issue 7 - pp 346-355 doi: 10.1097/SS.0b013e31821f48f2
47. Angus L. Dawe, Rong Mu, **Gloricelys Rivera**, Joanna A. Salamon (2011). *Molecular Methods for Studying the Cryphonectria parasitica – Hypovirus Experimental System*. Fungal Genomics, Methods in Molecular Biology Volume 722, 2011, pp 225-236
48. **Le Blanc, Thompson S.**; Covey, Kevin R.; Stassun, Keivan G. (2011). *Spectral Energy Distributions of Young Stars in IC 348: The Role of Disks in Angular Momentum Evolution of Young, Low-mass Stars*. The Astronomical Journal, Volume 142, Issue 2, article id. 55, 10 pp
49. **Rivera, G.** (2011). *Circadian Rhythms in the chestnut blight fungus Cryphonectria parasitica*. New Mexico State University, 224 pages (PhD. Dissertation)
50. **Ruth M Castellanos Rivera**, Maria C Monteagudo, Ellen S Pentz, Sean T Glenn, Kenneth W Gross, Oscar Carretero, Maria Luisa S Sequeira-Lopez, R Ariel Gomez (2011). *Transcriptional regulator RBP-J regulates the number and plasticity of renin cells*. Physiol Genomics 43: 1021–1028.
51. James A. Swenberg, Narisa K. Bordeerat, Gunnar Boysen, **Sujey Carro**, Nadia I. Georgieva, Jun Nakamura, John M. Troutman, Patricia B. Upton, Richard J. Albertini, Pamela M. Vacek, Vernon E. Walker, Radim J. Sram, Melissa Goggin, Natalia Tretyakova. *Corrigendum to "1,3-Butadiene: Biomarkers and application to risk assessment"* [Chem. Biol. Interact. 192(1–2) (2011) 150–154]

2010

52. **Angela Ortiz-Nieves**. "*Modeling the Transmission of Vancomycin-Resistant Enterococcus in Hospitals: Case Study*". Arizona State University 2010. (Ph.D. Dissertation)
53. Nadia Rivera, **Jesselyn Calderon-Ayala**, Leonardo Calle, Songling Du, Brenda Gerald, Mattias Lanas, Malaya Lualhati, Lorna Moreno, Ana Elisa Pérez, Iman Sylvain, Deborah Vieira, Melissa Armstrong. *Multidisciplinary and Multimedia Approaches to Action-Oriented Ecology*. Bulletin of the Ecological Society of America 91:313–316,

54. **Cordero-Soto, R.** & Suslov, S. K. (2010). *Time reversal for modified oscillators*. Theoretical and Mathematical Physics, 162(3), 286-316.
55. **Cordero-Soto, R.**, Suazo, E. & Suslov, S. K. (2010). *Quantum integrals of motion for variable quadratic hamiltonians*. Annals of Physics, 325(9), 1884-1912.
56. **Cordero-Soto, R.** & Suslov, S. K. (2010). *The Degenerate Parametric Oscillator and Ince's Equation*. arXiv:1006.3362v3 [math-ph].
57. James A Swenberg, Narisa K Bordeerat, Gunnar Boysen, **Sujey Carro**, Nadia I Georgieva, Jun Nakamura, John M Troutman, Patricia B Upton, Richard J Albertini, Pamela M Vacek, Vernon E Walker, Radim J Sram, Melissa Goggin, Natalia Tretyakova. *1,3-Butadiene: Biomarkers and application to risk assessment*. Chemico-biological interactions 10/2010; 192(1-2):150-4. DOI:10.1016/j.cbi.2010.10.010

2009

58. **Cordero-Soto, R.**, Suazo, E. & Suslov, S. K. (2009). *Models of damped oscillators in quantum mechanics*. Journal of Physical Mathematics, 1, 27-42.
59. Novaco, R.W., & **Gonzalez, O.I.** (2009). *Commuting and Well-being*. In Y. Amichai-Hamburger (Ed.), Technology and Psychological Well-Being (pp. 174-205). Cambridge University Press, Cambridge, U.K.
60. **Juan Alvarez-Rosario**, Leidy Feliz-Carrasco, Ruby Montoya -Ospina, Mario Velasco. *Tilapia Fry Perform Similarly. 2009, Global Aquaculture Alliance. P.70-72*. Under Varied Photoperiods
61. Campion, S., **Tatis-Rios, C.**, Agustine, L., Goedken, M., Rooijen, N., Cherrington, N., & Manautou, J. (2009). *Effect of allyl alcohol on hepatic transporter expression: zonal patterns of expression and role of kupffer cell function*. Toxicol Appl Pharmacol, 236(1), 49-58.
62. Duwensee, H.; **Vázquez-Alvarez, T.**; Flechsig, G-U.; Joseph Wang, J. (2009) *Thermally induced electrode protection against biofouling*. Talanta, 77, 1757-1760.
63. **Terannie Vazquez-Alvarez**. *Highly Sensitive Nanomaterial Based Electrochemical Biosensor*. Arizona State University. (PhD. Dissertation 2009)

2008

64. **Cordero-Soto, R.**, Suazo, E., Lopez, R., & Suslov, S. K. (2008). *Propagator of a charged particle with a spin in uniform magnetic and perpendicular electric fields*. Lett. Math. Phys., 84(2), 159-178.
65. Lakshminarasimhan, M., **Maldonado, M.**, Zhou, W., Fink, A. L., & Wilson, M. A. (2008). *Structural impact of three parkinsonism-associated missense mutations on human dj-1*. Biochemistry, 47(5), 346-355.

2007

66. Wang, J.; Tangkuaram,T.; Loyprasert, S.; **Vazquez-Alvarez, T.** (2007) *Electrocatalytic detection of insulin at RuOx/carbon nanotube-modified carbon electrodes*. Anal. Chimi Acta, 581, 1-6.
67. Lindsay, S.; **Vazquez, T.**; Egatz-Gomez, A.; Loyprasert, S.; Garcia, A. A; Wang, J (2007). *Discrete microfluidics with electrochemical detection*. Analyst, 132, 412-416.
68. Antonio A.Garcia, Ana Egatz-Gomez, Solitaire A. Lindsay, P. Dominguez-Garcia, Sonia Melle, Mauel M. Marquez, Miguel A. Rubio, S. Tom Picraux, Dongqing Yang, P. Aella, Mark A. Hayes, Devens Gust, Suchera Loyprasert, **Terannie Vazquez-Alvarez**, Joeseoph Wang. (2007). *Magnetic Movement of Biological Fluid Droplets*. Journal of Magnetism and Magnetic Materials 2007, 311(1), 238-243.
69. **Sánchez, F.**; Wang, X.; Castillo-Chávez, C.; Gruenewald, P.; Gorman, D. (2007) *Drinking as an epidemic--a simple mathematical model. Evidence Based Relapse Prevention*. Academic Press, New York., ISBN: 9780123694294
70. **Luisa Fernanda Zambrano-Marin**, M.H. Acuna (2007). *Juno Mission Fluxgate Magnetometer*. American Astronomical Society, AAS Meeting #211, #135.27; Bulletin of the American Astronomical Society, Vol. 39, p.977

2006

71. Engman, M.; **Cordero, R.** (2006) *"Intrinsic Spectral Geometry of the Kerr-Newman Even Horizon"*. J. Math, Phys. 47, 2006.
72. **Cordero-Soto, R.**, Hernandez, K., Rios-Doria, D., Salau, K., Kribs-Zabeta, C., & Murillo, D. (2006). *OCD therapeutic dynamics: Markovian based simulations*.
73. **Gonzalez-Delgado, A.** (2006). *Gis study of occurrence and distribution of endocrine disrupting chemicals in wastewater treatment plant and groundwater in El Paso*. ETD Collection for University of Texas, El Paso. Paper AAI1435339.

74. Chowell, G.; **Sánchez, F.** (2006) *An Outbreak of Dengue in Mexico, 2003: Quantifying the role of interventions*. Journal of Environmental Health, Vol. 68 No. 10, pp. 40-44.

2005

75. Staswick, P.; Serban, B.; Rowe, M.; Tiryaki, I.; **Maldonado, M.; Maldonado, M.** (2005); Suza, W. "Characterization of an Arabidopsis Enzyme Family That Conjugates Amino Acids to Indole-3-Acetic Acid". The Plant Cell, Vol. 17, 616-627.
76. Murillo, D.; Ortiz, A.; **Sánchez, F.** (2005) *A Mathematical Comparison of Prevention Strategies for Addicted Women*. Sonoran Journal of Graduate Mathematics, Issue 1.
77. Gjorgjieva, J.; Smith, K.; Snyder, J.; Chowell-Puente, G.; **Sánchez, F.**; Castillo-Chávez, C. (2005) *The Role of Vaccination in the Control of SARS*. Mathematical Biosciences and Engineering, Vol. 2 No. 4, pp.753-769.
78. **Sánchez, F.**, Engman, M., Harrington, L. and C. Castillo-Chávez. *Models for Dengue Transmission and Control. Modeling The Dynamics of Human Diseases: Emerging Paradigms and Challenges*. AMS Contemporary Mathematics Series. Gumel A. (Chief Editor), Castillo-Chavez, C., Clemence, D.P. and R.E. Mickens.
79. Chowell G.; Cintron-Arias, A.; Del Valle, S.; **Sánchez, F.**; Song, B.; Hyman, J.M.; Hethcote, H.W.; Castillo-Chavez, C. *Mathematical applications associated with the deliberate release of infectious agents. Modeling The Dynamics of Human Diseases: Emerging Paradigms and Challenges*. AMS Contemporary Mathematics Series. Gumel A. (Chief Editor), Castillo-Chavez, C., Clemence, D.P. and R.E. Mickens
80. Gjorgjieva, J., Smith, K., Snyder, J., Chowell, G., & **Sanchez, F.** (2005). The role of vaccination in the control of stars. Mathematical biosciences and engineering: MBE 10/2005; 2(4):753-69. DOI:10.3934/mbe.2005.2.753
81. Sanchez Arribas, A.; **Vazquez, T.**; Wang, J.; Mulchandani, A; Chen, W. (2005) *Electrochemical and optical bioassays of nerve agents based on the organophosphorus-hydrolase mediated growth of cupric ferrocyanide nanoparticles*. Electrochem. Comm., 7, 1371-1374.

2004

82. Erickson, H.; **Ayala, G.**; (2004) *"Hurricane-Induced Nitrous Oxide Fluxes from a Wet Tropic Forest"*. Global Change Biology, Vol. 10 I. 7, P. 1155 - 1162.

2003

83. González, B.; Huerta-Sánchez, E.; **Ortiz-Nieves, A.; Vazquez-Alvarez, T.**; Kribs-Zaleta. (2003) *Am I too fat? Bulimia as an Epidemic*. Journal of Mathematical Psychology, Volume 47, Number 5, October 2003, pp. 515-526, Elsevier.
84. Byoung-Kwon Hahm, **Yadilka Maldonado**, Edgar Schreiber, Arun K Bhunia, Cindy H Nakatsu . Cindy H Nakatsu *Subtyping of foodborne and environmental isolates of Escherichia coli by multiplex-PCR, rep-PCR, PFGE, ribotyping and AFLP*. Journal of Microbiological Methods. 07/2003; 53(3):387-99. DOI: 10.1016/S0167-7012(02)00259-2
85. William J. Randel, Fei Wu, **Waleska Rivera Ríos**. *Thermal variability of the tropical tropopause region derived from GPS/MET observations*. Journal of Geophysical Research, Volume 108, Issue D1. 16 January 2003. Pages ACL 7-1–ACL 7-12