

Curriculum vitae
MIGUEL A. MORA

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A. PERSONAL INFORMATION

1. Education

1990-1992, Postdoctoral Fellow, Michigan State University. 1990,
Ph.D. Ecology, University of California, Davis (UCD).

1984, M.S. Ecology, University of California, Davis.

1977, B.S. Biochemical Engineering, Instituto Politecnico Nacional, Mexico, D.F. Certified
Engineer License No. 482868.

2. Current Appointments

- 2007- Professor, Department of Wildlife & Fisheries Sciences, Texas A&M University,
College Station, TX.
- 2007- Professor (joint appointment), Department of Veterinary Pathobiology, College of
Veterinary Medicine & Biomedical Sciences, TAMU.
- 2003- Adjunct Professor, Intercollegiate Faculty of Toxicology, Texas A&M University,
College Station, TX.
- 1999- Adjunct Professor, Institute of Environmental and Health Sciences, Texas Tech
University, Lubbock, TX.

3. Previous Employment

- 2000-2007 Field Station Leader and Research Wildlife Biologist, U.S. Geological Survey,
College Station, TX.
- 1993-2000 Research Wildlife Biologist, U.S. Fish and Wildlife Service, National Biological
Survey, National Biological Service, and U.S. Geological Survey, College Station,
TX.
- 1995-2007 Adjunct Professor, Department of Wildlife and Fisheries Sciences, Texas A&M
University, College Station, TX.
- 1990-1992 Research Associate, Department of Fisheries and Wildlife and Pesticide Research
Center, Michigan State University, East Lansing, MI.
- 1991-1992 Consultant, Ropes & Gray Attorneys at Law (Boston, MA).

- 1989-1990 Postgraduate Research Associate, Department of Veterinary Pharmacology and Toxicology, School of Veterinary Medicine, UCD.
- 1987-1988 Research Assistant, California Veterinary Diagnostic Laboratory System, School of Veterinary Medicine, UCD.
- 1983-1984 Department Head, Subdelegation of Ecology, Secretaria de Desarrollo Urbano y Ecologia (government agency), State of Jalisco, Mexico.
- 1983 Museum Technician, Wildlife and Fisheries Biology, UCD.
- 1978-1980 Laboratory Supervisor, Direccion de Fauna Silvestre, Secretaria de Agricultura y Recursos Hidraulicos (government agency), Mexico, D.F.

B. RESEARCH, SCHOLARLY, AND CREATIVE ACTIVITIES

1. Chapters in Books

- Lacher, Jr. TE, J Bickham, C Gascon, R Green, RD Moore, and **M Mora**. 2010. Impacts of Contaminants and Pesticides on Biodiversity and Ecosystem Structure and Function. P 111- 145, *in* Kendall R. et al. Eds. Wildlife Toxicology: Emerging Contaminants and Biodiversity Issues. CRC Press, Taylor and Francis, Boca Raton, FL.
- Mora, M.A.**, J. Garcia, M.P. Carpio-Obeso, and K. King. 2003. Contaminants without borders: A regional assessment of the Colorado River delta ecosystem. P 1125-1134, *in* D.J. Rapport, W.L. Lasley, D.E. Rolston, N.O. Nielsen, C.O. Qualset, and A.B. Damania (eds.) *Managing for Healthy Ecosystems*, Lewis Publishers, Boca Raton, Florida USA.
- Quensen III, J.F., J.M. Tiedje, S.A. Boyd, C. Enke, R. Lopshire, J. Giesy, **M. Mora**, R. Crawford, and D. Tillitt. 1992. Evaluation of the suitability of reductive dechlorination for the bioremediation of PCB-contaminated soils and sediments. In: Soil decontamination using biological processes. pp. 91-100.

2. Articles in Refereed Journals (*Texas A&M Students, #Corresponding author, when not first author)

a. In Review

- Ali Abdulameer Al-Badran*, Masami Fujiwara, Miguel Mora. Effect of fipronil and imidacloprid on the growth, survival, and behavior of brown shrimp *Farfantepenaeus aztecus*.
- Maldonado, Alejandra, R*, Miguel A. Mora. Examining Contaminant Accumulation In Songbirds Using Stable Isotopes Of Carbon, Nitrogen And Deuterium. *Archives of Environmental Contamination and Toxicology*
- Christopher Sandoval*, Miguel A. Mora#, Jose Sericano, Raquel R. Rech. Assessing impacts of legacy pollutants on wildlife of the Trinity River (Texas, USA) using Neotropical Cormorants as indicator species. *Archives of Environmental Contamination and Toxicology*

b. Published

2018

- Ali Abdulameer Al-Badran*, Masami Fujiwara, Delbert M. Gatlin III, **Miguel Mora**. Lethal and sub-lethal effects of the insecticide fipronil on juvenile brown shrimp *Farfantepenaeus aztecus*. *Scientific Reports*, (2018) 8:10769 | DOI:10.1038/s41598-018-29104-3.
- Ertl, Hannah M.*, **Miguel A. Mora**[#], Diane E. Boellstorff, Donald Brightsmith, Katherine Carson. An Assessment of the Potential Impacts of Neonicotinoid Insecticides on Northern Bobwhites (*Colinus virginianus*). *Wildlife Society Bulletin*. In press.
- Schmude, E.*, H. M. Ertl, R. J. Taylor, **M. A. Mora**[#]. 2018. Using Feathers to Evaluate Adverse Effects of Metals on Northern Bobwhites (*Colinus Virginianus*) in Texas. *Archives of Environmental Contamination and Toxicology* 75:87-95. DOI: 10.1007/s00244-018-0520-3.
- González, D*, Dioselina Alvarez Bernal, **Miguel A. Mora**, Héctor René Buelna Osben, Jorge Ricardo Ruelas Insunza,. 2018. Biomonitoring of heavy metals in feathers of aquatic residents of Lago de Chapala, Mexico. *Revista Internacional de Contaminacion Ambiental*. 34 (2) 215-224. DOI: 10.20937/RICA.2018.34.02.0334:00-00.
- Ertl, Hannah M.*, **Miguel A. Mora**[#], Donald J. Brightsmith, Jorge A. Navarro-Alberto. 2018. Potential Impact of Neonicotinoid Use on Northern Bobwhite (*Colinus virginianus*) in Texas: A Historical Analysis. *PLoS One* 13 (1): e0191100. doi: 10.1371/journal.pone.0191100.

2017

- Entwistle, C.* and **M. Mora**. 2017. Estimating net gains and losses of coastal wetlands in Galveston County and Cameron County, Texas. *Integrated Environmental Assessment and Management*. (DOI) - 10.1002/ieam.1973
- Telesford-Checkley, J.M.*, **M.A. Mora**[#], T.J. Gentry, T.J. McDonald, D.E. Boellstorff. 2017. Impacts of Heronries on Water Quality as Evaluated through *Escherichia coli* and Fecal Sterol Analyses. *Water Environment Research*. 89:508-518, doi:10.2175/WERD1600299.1
- Telesford-Checkley, Judlyn M.*, **Miguel A. Mora**[#], William E. Grant, Diane E. Boellstorff, Tony L. Provin. 2017. Estimating the contribution of nitrogen and phosphorus to watersheds by colonial nesting waterbirds. *Science of the Total Environment* 574:1335-1344. <http://dx.doi.org/10.1016/j.scitotenv.2016.08.043>.
- Maldonado, Alejandra R.*, **Miguel A. Mora**, José L. Sericano. 2017. Seasonal differences in contaminant accumulation in Neotropical migrant and resident songbirds. *Archives of Environmental Contamination and Toxicology* 72:39-49. DOI: 10.1007/s00244-016-0323-3.
- Rodríguez-Jorquera, Ignacio A., Pablo Siroski, Winfred Espejo, Jorge Nimptsch, Paloma Gusso Choueri, Rodrigo Brasil Choueri, Claudio A. Moraga, **Miguel Mora**, Gurpal S. Toor. 2017. Latin American Protected Areas: Protected from Chemical Pollution?" *Integrated Environmental Assessment and Management* 13:360-370. DOI: 10.1002/ieam.1839.

2016

- Yuwei Xie, Pu Xia, Hui Wang, Hongxia Yu, John P. Giesy, Yimin Zhang, **Miguel A. Mora**, and Xiaowei Zhang. 2016. Effects of captivity and artificial breeding on microbiota in feces of the red-crowned crane (*Grus japonensis*). *Scientific Reports* 6:33350, DOI:

10.1038/srep33350

- Telesford-Checkley, J.M.*, **Miguel A. Mora**[#], Diane E. Boellstorff, and Tony L. Provin. 2016. An Evaluation of the Contribution of Macro- and Microelements from Colonial Nesting Waterbirds to Surface Water. *Journal of Environmental Quality* 45:1705-1712. DOI: 10.2134/jeq2016.01.0019.
- Lastiri-Hernandez M.A., **M.A. Mora**, D. Alvarez-Bernal. 2016. Valoración económica del Lago de Chapala: Método costo de viaje. *Revista Científica Ecociencia* 3:39-59. ISSN: 1390-9320.
- Torres, Z. *, **Miguel A. Mora**, Robert J. Taylor, and Dioselina Alvarez-Bernal. 2016. Tracking metal pollution in Lake Chapala: concentrations in water, sediments, and fish. *Bulletin of Environmental Contamination and Toxicology* 97:418-424. DOI 10.1007/s00128-016-1892-6.
- Álvarez-Bernal, D., Marcos A. Lastiri-Hernández, Héctor R. Buelna-Osben, Silvia M. Contreras-Ramos, **Miguel A. Mora**. 2016. Vermicompost as an alternative of management for water hyacinth. *Revista Internacional de Contaminacion Ambiental* 32 (4):425-433. DOI: 10.20937/RICA.2016.32.04.06.
- Mora, M.A.**, Durgin, B.E.*, Hudson, L.B.*, Jones, E. 2016. Temporal and Latitudinal Trends of p,p'- DDE in Eggs and Carcass of North American Birds from 1980-2005. *Environmental Toxicology and Chemistry* 35:1340-1348. DOI: [10.1002/etc.3360](https://doi.org/10.1002/etc.3360).

2014

- Torres, Zaria*; **Mora, Miguel**[#]; Taylor, Robert; Alvarez-Bernal, Dioselina; Buelna, Hector; Hyodo, Ayumi. 2014. Accumulation and Hazard Assessment of Mercury to Waterbirds at Lake Chapala, Mexico. *Environmental Science & Technology*, 48, 6359–6365. DOI:[10.1021/es4048076](https://doi.org/10.1021/es4048076)
- Watkins, Crystal D.*, Kirk O. Winemiller, **Miguel A. Mora**, Bowen Du, C. Kevin Chambliss, Bryan W. Brooks, David Phalen. 2014. Assessment of Mosquitofish (*Gambusia affinis*) Health Indicators in Relation to Domestic Wastewater Discharges in Suburbs of Houston, USA. *Bull. Environm. Contam. Toxicol.* 93:13-18.

2013

- Alvarez-Bernal, D. Salvador Ochoa-Estrada, Miriam Arroyo-Damian, Héctor Rene Buelna-Osben, Rodrigo Moncayo-Estrada, **Miguel Mora**. 2013. Assessment of water quality of drains from irrigation district in a semiarid agricultural zone. *International Journal of Agronomy and Agricultural Research* 3:7-15.
- Mora, M.A.**, W. E. Grant, L. Wilkins*, Hsiao-Hsuan Wang. 2013. Simulated effects of reduced spring flow from the Edwards Aquifer on population size of the fountain darter (*Etheostoma fonticola*). *Ecol. Model.* 250:235-243.

2012

- Parkes, M.L.*, **M. A. Mora**[#], and R. A. Feagin. 2012. Using Scale, Cover Type, and GIS to Evaluate Nuisance Cattle Egret Colony Site Selection. *Waterbirds* 35:56-63.
- Engelman, Catherine A.*, William E. Grant, **Miguel A. Mora**, Marc Woodin. 2012. Modelling effects of chemical exposure on birds wintering in agricultural landscapes: The western burrowing owl (*Athene cunicularia hypugaea*) as a case study. *Ecological*

Modelling 224:90-102.

- Mora, M.A.**, J. L. Sericano, C. Baxter*. 2012. Swallows as Indicators of Environmental Pollution of the Rio Grande/Rio Bravo Basin: Are Persistent Organic Pollutants a Concern? *Archives of Environmental Contamination and Toxicology* 62:512-518, DOI: 10.1007/s00244-011-9718-3.

2011

- Mora MA**, Baxter C*, Sericano JL, Montoya AB, Gallardo JC, Rodríguez-Salazar JR. 2011. PBDEs, PCBs, and DDE in eggs and their impacts on aplomado falcons (*Falco femoralis*) from Chihuahua and Veracruz, Mexico. *Environmental Pollution*. 159:3433- 3438, doi:10.1016/j.envpol.2011.08.025.
- Mora, M.A.**, B. Brattin, C. Baxter*, and J. W. Rivers. 2011. Regional and interspecific variation in Sr, Ca, and Sr/Ca ratios in avian eggshells from the USA. *Ecotoxicology* 20:1467-1475, doi: 10.1007/s10646-011-0703-4.

2010

- Phalen, D.N., M. L. Drew, B. Simpson, K. Roset, K. Dubose, and **M. Mora**. 2010. *Salmonella enterica* subsp. *enterica* in cattle egret (*Bubulcus ibis*) chicks from central Texas: Prevalence, serotypes, pathogenicity and epizootic potential. *Journal Wildlife Diseases* 46:379-389.
- Brumbaugh WG, **Mora MA**[#], May TW, Phalen DN. 2010. Metal exposure and effects in voles and small birds near a mining haul road in Cape Krusenstern National Monument, Alaska. *Environmental Monitoring and Assessment* 170:73-86, doi: 10.1007/s10661-009- 1216-y.
- Cobos, VM, **Mora MA**[#], Escalona G, Calme S, Jiménez J. 2010. Variation in plasma cholinesterase activity in the clay-colored robin (*Turdus grayi*) in relation to time of day, season, and diazinon exposure. *Ecotoxicology* 19:267-272, doi: 10.1007/s10646-009-0409-z.

2009

- Sitzlar, M. A*, **M. A. Mora**[#], J. A. Fleming, F. W. Bazer, J. W. Bickham, C Matson. 2009. Potential effects of environmental contaminants on P450 aromatase activity and DNA damage in swallows from the Rio Grande and Somerville, Texas, USA. *Ecotoxicology* 18:15-21.

2008

- Mora, M. A.** 2008. Organochlorine pollutants and stable isotopes in resident and migrant passerine birds from northwest Michoacán, Mexico. *Archives of Environmental Contamination and Toxicology* 55:488-495.
- Mora, M. A.**, A. B. Montoya, P. W. Juergens, M. C. Lee, A. Macías-Duarte, R. Rodríguez-Salazar, A. Lafón-Terrazas. 2008. Persistent Environmental Pollutants in Eggs of Aplomado Falcons from Northern Chihuahua, Mexico, and South Texas, USA. *Environment International* 34:44-50.
- Pisani, J. M.*, W. E. Grant and **M. A. Mora**[#]. 2008. Simulating the impact of cholinesterase-inhibiting pesticides on non-target wildlife in irrigated crops. *Ecological Modelling* 210:179-192.

2007

- Mora, M.A.**, R. Taylor, and B. Brattin. 2007. Potential ecotoxicological significance of elevated concentrations of strontium in eggshells of passerine birds. *The Condor* 109:199-205.
- Mora, M.A.**, R.S. Skiles, and M. Paredes. 2007. Further assessment of environmental contaminants in avian prey of the peregrine falcon in Big Bend National Park, Texas. *Southwestern Naturalist* 52:54-59.

2006

- Cobos, V.M.*, M.A. **Mora**, and G. Escalona. 2006. Inhibición de colinesterasa plasmática en el zorzal pardo (*Turdus grayi*), expuesto a diazinón en cultivos de papaya maradol en Yucatán, Mexico [Plasma cholinesterase inhibition in the clay-colored robin (*Turdus grayi*) exposed to diazinon in maradol papaya crops in Yucatan, Mexico]. *Revista de Toxicologia* 23:9-14.
- Mora, M.A.**, D. Musquiz*, J.W. Bickham, D.S. MacKenzie, M.J. Hooper, J. Szabo, and C.W. Matson*. 2006. Biomarkers of exposure and effects of environmental contaminants on swallows nesting along the Rio Grande, Texas, USA. *Environmental Toxicology and Chemistry* 25:1574-1584.

2005

- Phalen, D.N., M.L. Drew, C. Contreras, K. Roset, and **M. Mora**. 2005. Naturally occurring secondary nutritional hyperparathyroidism in cattle egrets (*Bubulcus ibis*) from central Texas. *Journal of Wildlife Diseases* 41:401-415
- Mora, M.A.**, T.W. Boutton, and D. Musquiz*. 2005. Regional variation and relationships between the contaminants DDE and selenium and stable isotopes in swallows nesting along the Rio Grande and one reference site, Texas, USA. *Isotopes in Environmental and Health Studies* 41:69-85.
- Maruya, K.A., K.L. Smalling, and **M.A. Mora**. 2005. Residues of Toxaphene in insectivorous birds (*Petrochelidon spp*) from the Rio Grande, Texas. *Archives of Environmental Contamination and Toxicology* 48:567.

2003

- Mora, M.A.** 2003. Heavy metals and metalloids in egg contents and eggshells of passerine birds from Arizona. *Environmental Pollution* 125:393-400.
- Mora, M.A.**, J. Rourke, S. Sferra, and K. King. 2003. Environmental contaminants in surrogate birds and insects inhabiting southwestern willow flycatcher habitat in Arizona. *Studies in Avian Biology* 26:168-176.

2002

- Mora, M.A.**, R. Skiles, B. McKinney, M. Paredes, D. Buckler, D. Papoulias, and D. Klein. 2002. Environmental contaminants in prey and tissues of the peregrine falcon in the Big Bend Region, Texas, USA. *Environmental Pollution* 116:169-176.

2001

- Garcia-Hernandez, J., K.A. King, A.L. Velasco, E. Shumilin, **M.A. Mora**, and E.P. Glenn.

2001. Selenium, selected inorganic elements, and organochlorine pesticides in bottom material and biota from the Colorado River delta. *Journal of Arid Environments* 49:65-89.

- Mora, M.A.**, D. Papoulias, I. Nava, and D. R. Buckler. 2001. A comparative assessment of contaminants in fish from four resacas of the Texas, USA-Tamaulipas, Mexico border region. *Environment International* 27:15-20.
- Frank, D.S.* , **M.A. Mora**[#], J.L. Sericano, A.L. Blankenship, K. Kannan, and J.P. Giesy. 2001. Persistent organochlorine pollutants in eggs of colonial waterbirds from Galveston Bay and east Texas, USA. *Environmental Toxicology and Chemistry* 20:608-617.
- Wainwright, S.E.* , **M.A. Mora**[#], J.L. Sericano, and P. Thomas. 2001. Chlorinated hydrocarbons and biomarkers of exposure in wading birds and fish of the Lower Rio Grande Valley, Texas. *Archives of Environmental Contamination and Toxicology* 40:101-111.

2000

- Mora, M.A.**, L. L. Laack, M.C. Lee, J. Sericano, R. Presley, P.R. Gardinali*, L. R. Gamble, S. Robertson, and D. Frank.* 2000. Environmental contaminants in blood, hair, and tissues of ocelots from the Lower Rio Grande Valley, Texas, 1986-97. *Environmental Monitoring and Assessment* 64:477-492.

1998

- Mora, M.A.** and J.M. Miller.* 1998. Foraging flights, reproductive success, and organochlorine contaminants in cattle egrets nesting in a residential area of Bryan, Texas. *Texas Journal of Science* 50:205-214.
- Mora, M.A.** and S.E. Wainwright.* 1998. DDE, mercury, and selenium in biota, sediments, and water of the Rio Grande-Rio Bravo Basin, 1965-1995. *Reviews of Environmental Contamination and Toxicology* 158:1-52.
- Corson, M.S.* , **M.A. Mora**, and W.E. Grant. 1998. Simulating cholinesterase inhibition in birds caused by dietary insecticide exposure. *Ecological Modelling* 105:299-323.

1997

- Mora, M.A.**, M.C. Lee, J.P. Jenny, T.W. Schultz, J.L. Sericano, and N.J. Clum. 1997. Potential impacts of environmental contaminants on recovery of the aplomado falcon in south Texas. *Journal of Wildlife Management* 61:1288-1296.
- Mora, M.A.** 1997. Transboundary pollution: persistent organochlorine pesticides in migrant birds of the southwestern United States and Mexico. *Environmental Toxicology and Chemistry* 16:3-11.
- Mora, M.A.** 1997. Feeding flights of Cattle Egrets nesting in an agricultural ecosystem. *Southwestern Naturalist* 42:52-58.

1996

- Mora, M.A.** 1996. Organochlorines and trace elements in four colonial waterbird species nesting in the Lower Laguna Madre, Texas. *Archives of Environmental Contamination and Toxicology* 31:533-537.
- Mora, M.A.** 1996. Congener-specific polychlorinated biphenyl patterns in eggs of aquatic birds from the Lower Laguna Madre, Texas. *Environmental Toxicology and Chemistry*

1995

- Clark, D.R. Jr., A. Moreno-Valdez*, and **M.A. Mora**. 1995. Organochlorine residues in bat guano from nine Mexican caves 1991. *Ecotoxicology* 4:258-265.
- Verbrugge, D.A., J.P. Giesy, **M.A. Mora**, L.L. Williams, R. Rossman, R. A. Moll, and M. Tuchman. 1995. Concentrations of dissolved and particulate polychlorinated biphenyls in water from the Saginaw River, Michigan. *Journal of the Great Lakes Research* 21:219-233.
- Giesy, J.P., W.W. Bowerman, **M. A. Mora**, D.A. Verbrugge, R. A. Othoudt, J.L. Newsted, C.L. Summer, R.J. Aulerich, S. J. Bursian, J.P. Ludwig, G.A. Dawson, T.J. Kubiak, D.A. Best, & D.E. Tillitt. 1995. Contaminants in fishes from Great Lakes-influenced sections and above dams of three Michigan rivers: III. Implications for health of bald eagles. *Archives of Environmental Contamination and Toxicology* 29:309-321.
- Mora, M.A.** and D. W. Anderson. 1995. Selenium, boron, and heavy metals in birds from the Mexicali Valley, Baja California, Mexico. *Bulletin of Environmental Contamination and Toxicology* 54:198-206.
- Mora, M.A.** 1995. Residues and trends of organochlorine pesticide and polychlorinated biphenyls in birds from Texas, 1965-1988. National Biological Survey, *Fish and Wildlife Research* 14, 26pp.

1994

- Giesy, J.P., D.A. Verbrugge, R. A. Othout, W.W. Bowerman, **M. A. Mora**, P.D. Jones, J.L. Newsted, C. Vandervoort, S.N. Heaton, R.J. Aulerich, S. J. Bursian, J.P. Ludwig, M. Ludwig, G.A. Dawson, T.J. Kubiak, D.A. Best, and D.E. Tillitt. 1994. Contaminants in fishes from Great Lakes-influenced sections and above dams of three Michigan rivers. I: Concentrations of organo chlorine insecticides, polychlorinated biphenyls, dioxin equivalents, and mercury. *Archives of Environmental Contamination and Toxicology* 27:202-212.
- Giesy, J.P., D.A. Verbrugge, R. A. Othout, W.W. Bowerman, **M. A. Mora**, P.D. Jones, J.L. Newsted, C. Vandervoort, S.N. Heaton, R.J. Aulerich, S.J. Bursian, J.P. Ludwig, G.A. Dawson, T.J. Kubiak, D.A. Best, and D.E. Tillitt. 1994. Contaminants in fishes from Great Lakes-influenced sections and above dams of three Michigan rivers. II: Implications for health of mink. *Archives of Environmental Contamination and Toxicology* 27:213-223.

1993

- Verbrugge, D.A., J.P. Giesy, **M. Mora**, L.L. Williams, R. Crawford, R. Moll, R. Rossman and L.Tuchman. 1993. Concentrations of dissolved and particulate PCBs in the Saginaw River: As determined by filtration and XAD-2 resin extraction. In: H. Fiedler, H. Frank, O. Hutzinger, W. Parzfall, A. Riss, and S. Safe (Eds.). *Organohalogen Compounds; Emission Control, Transport and Fate and Environmental Levels and Ecotoxicology*. Vol. 14, pp. 125-128. Federal Environmental Agency, Austria.
- Mora, M. A.**, H. Auman, J. P. Ludwig, J. P. Giesy, D. A. Verbrugge, and M. E. Ludwig. 1993. Polychlorinated biphenyls and chlorinated insecticides in plasma of Caspian Terns:

Relationships with age, productivity, and colony site tenacity in the Great Lakes. *Archives of Environmental Contamination and Toxicology* 24:320-331.

1992

Mora, M. A. 1992. Habitat use by foraging Cattle Egrets in the Mexicali Valley, Baja California. *Wilson Bulletin* 104:142-148.

1991

Mora, M. A. 1991. Organochlorines and breeding success in Cattle Egrets from the Mexicali Valley, Baja California, Mexico. *Colonial Waterbirds* 14:127-132.

Mora, M. A. and D. W. Anderson. 1991. Seasonal and geographical variation of organochlorine residues in birds from northwest Mexico. *Archives of Environmental Contamination and Toxicology* 21:541-548.

1989

Mora, M. A. 1989. Predation by a Brown Pelican at a mixed species heronry. *Condor* 91:742-743.

1987

Mora, M. A., D. W. Anderson, and M. E. Mount. 1987. Seasonal variation of body condition and organochlorines in wild ducks from California and Mexico. *Journal of Wildlife Management* 51: 132-141.

1979

Pena, A., **M. Mora,** and N. Carrasco. 1979. Uptake and effects of several cationic dyes on yeast. *Journal of Membrane Biology* 47:261-284.

3. Monographs, Reports, and Extension Publications

Mora, M.A., Torres, Z. 2014. A Stable Isotope Approach to Determine Differences and Similarities in Carbon and Nitrogen Sources in the Diet of Attwater's Prairie Chicken (*Tympanuchus cupido attwateri*) in Texas. Report to the U.S. Geological Survey, 29pp.

Telesford, J.*, A. Maldonado*, M. Mora. 2013. Ellison Creek Reservoir: PCBs Assessment. Report to the Water Resources Institute and the Texas Commission on Environmental Quality. 40 pp.

Baxter, C. 2009 (publication by undergraduate student). Flame retardants in Texas cliff swallows. *Explorations* 1:15-21. (Texas A&M Undergraduate Journal).

William G. Brumbaugh, **Miguel A. Mora,** and Thomas W. May. 2008. Assessment of Metals Exposure and Sub-Lethal Effects in Voles and Small Birds Captured Near the DeLong Mountain Regional Transportation System Road, Cape Krusenstern National Monument, Alaska, 2006. U.S. Geological Survey Scientific Investigations Report 2008-5211, 22 p.

Brumbaugh, W., Linder, G., Little, E., May, T., **Mora, M.** 2005. Review of Exponent DMTS Fugitive Dust Risk Assessment. Columbia Environmental Research Center Report to National Park Service, Western Arctic Parklands, 11 pps.

http://www.dec.state.ak.us/spar/csp/docs/reddog/ra_comm_usgs_9-8-05.pdf

- Mora, M.A.** 2005. Environmental contaminants in livers of Attwater's prairie chicken found dead at the Attwater's Prairie Chicken National Wildlife Refuge and surrounding counties, Texas. Report to the USFWS, Attwater's Prairie Chicken National Wildlife Refuge, Belville, Texas.
- Custer, CM., Custer, TW., Gerould, S., Henny, CJ., Hothem, RL., Longcore, JR., Melancon, MJ., and **Mora, MA.** 2005. Swallow Research in the USGS contaminant biology program. White Paper. U.S. Geological Survey.
- Garcia-Hernandez, J. M. Mora (Project Advisor). 2004. Identification of Possible Impacts of Contaminants (Pesticides, Persistent Organic Pollutants POPs and Heavy Metals) on Bird Populations and Bird Habitat in Mexico, and Recommendations for Trilateral Collaboration. Prepared for The Commission for Environmental Cooperation, Montreal Canada.
- Mora, M.A.** 2003. Environmental contaminants in avian prey of the peregrine falcon in the Big Bend region, Texas, 2001. Final Report to Big Bend National Park, National Park Service.
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- Mora, M.A.** 2000. Environmental contaminants in surrogate bird species and insects inhabiting southwestern willow flycatcher habitat in the lower San Pedro River and Roosevelt Dam, Arizona. Report to the Bureau of Reclamation, Phoenix, AZ.
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- Mora, M.A.** and S. Wainwright. 1997. Environmental Contaminants in Biota of the Rio Grande Basin: A Review of Status and Trends. Final report to the Biomonitoring for Environmental Status and Trends (BEST) program of the Biological Resources Division, U.S. Geological Survey. 291 pp.
- Williams, L.L., **M.A. Mora**, and D. Verbrugge. 1992. Analysis of organochlorine pesticides and PCBs in muscle and egg tissues of fish and birds. Standard Operating Procedure, Aquatic Toxicology Laboratory, Department of Fisheries and Wildlife and Pesticide Research Center, Michigan State University, East Lansing, MI.
- Giesy, J.P., **M.A. Mora**, and W. Bowerman. 1992. Relative toxic potential of PCBs and DDT and its' metabolites on fish-eating birds of the southern California Bight. An Opinion issued to Mr. P. Galvani, Ropes and Gray, Boston, MA.
- Mora, M.A.** and D. Verbrugge. 1991. Analysis of organochlorine pesticides and PCBs in blood plasma of birds. Standard Operating Procedure, Aquatic Toxicology Laboratory, Department of Fisheries and Wildlife and Pesticide Research Center, Michigan State University, East Lansing, MI. 16 pp.
- Mora, M.A.**, J.P. Giesy, and W. Bowerman. 1991. Relative importance of DDE and dieldrin in eggshell thinning in wild birds. A report issued to P. Galvani, Ropes and Gray, Boston, MA.
- Mora, M.A.**, J.P. Giesy, and W. Bowerman. 1991. Contribution of various sources to environmental levels of DDT/DDE in the Los Angeles Harbor/Palos Verdes Shelf. A report issued to P. Galvani, Ropes and Gray, Boston, MA.

- Giesy, J.P., **M.A. Mora**, and W. Bowerman. 1991. Food habits of and wildlife hazard assessment for peregrine falcons, bald eagles, and brown pelicans of the southern California Bight. A report issued to P. Galvani, Ropes and Gray, Boston, MA.
- Mora, M. A.** 1990. Organochlorines, Reproductive Success, and Habitat Use in Birds from Northwest Mexico. *Ph.D. Dissertation*, University of California Davis, Davis, CA.
- Mora, M. A.** 1984. Seasonal and Geographical Variation of Organochlorines in Waterfowl from California and Mexico. *MS Thesis*, University of California Davis, Davis, CA.
- Mora, M.A.** 1977. [Study of the effects of some cationic dyes on K⁺ transport in *Saccharomyces cerevisiae*] Estudio del efecto de algunos colorantes cationicos en el transporte de K⁺ en *Saccharomyces cerevisiae*. *BS Thesis*, Instituto Politecnico Nacional, Mexico, D.F.

4. Book Reviews, Other Articles, Notes, U.S. Government Publications

- M. A. Mora, B. Durgin and E. Jones. 2014 Fifty Years After Silent Spring: Temporal and Latitudinal Trends of DDE in North American Birds Over the Last Three Decades. 26th Internat Ornithol Congr, Ornithol Science, Japan.
- Mora, M.A.** 2004. (Book Review) Fundamentals of Ecotoxicology, Second Edition. *Ecological Engineering* 22:213-214.
- Mora, M.A.** and G. Cobb. 2004. 24th Annual Meeting in North America: Austin was fun, wasn't it? SETAC Globe 5:1-9.
- Mora, M.A.** 2000. [The biologist's role in the development of the field of ecotoxicology in Mexico]. In Spanish. El papel del biologo en el desarrollo de la ecotoxicologia en Mexico. Boletin Cuauhtli 6:11-14. CIPAMEX, Mexico, D.F.
- Fuchs, F. and **M. Mora**. 1976. [Incidence of lead residues in duck gizzards] Incidencia de residuos de plomo en mollejas de patos. Subsecretaria Forestal y de la Fauna, *Revista Bosques y Fauna* 13 (5):36-40. (Mexican Government Federal Publication, Mexico, D.F.).
- Mora, M. A.** 1973. [A study on the movements of white winged doves] Estudio sobre el movimiento de la paloma de alas blancas. Subsecretaria Forestal y de la Fauna, *Revista Bosques y Fauna*, 10 (6):45-56. (Mexican Government Federal Publication, Mexico, D.F.).

5. Talks, Abstracts, and Other Papers Presented

a. Invited Talks/General Talks

Over 160 presentations at regional, national, and international venues: Table summary below, detailed list available in separate file.

Summary					
	Presentations Invited	Presentations Offered	Seminars at Universities	Plenary Talks	Conference Moderator
International	7	26	5	5	8

National	5	35	19	10
Regional (Texas)	7	28	9	1

b. Conference Proceedings

SETAC (North America and Europe) annual meeting proceedings: 1989, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2001, 2003, 2004, 2005, 2007, 2008, 2009, 2010, 2011, 2012, 2014, 2015.

North American Ornithological Conference, International Ornithological Congress, and American Ornithologists Union meeting proceedings: 1991, 2006, 2008, 2014, and 2016.

Abstracts from the Wildlife Society National Conference: 1999, 2005, 2007, 2009.

Abstracts from the SACNAS annual conference: 2011, 2012, 2014, 2016.

Mora, M.A. et al. 1999. International aspects of ecosystem contamination problems in wildlife of the Colorado delta region. Report No. 24, UC Genetic Resources Conservation Program Report Series. International Congress on Ecosystem Health, Sacramento, CA.

Giesy, J.P., P.D. Jones, **M. Mora**, J.L. Newsted, D.A. Verbrugge, R. Aulerich, S. Bursian, C. Summers, J.P. Ludwig, M.J. Ludwig, T.J. Kubiak, D.A. Best, G.T. Ankley, K.B. Lodge, D.E. Tillitt, K. Stromberg, and S. Tanabe. 1991. The use of TEFs for understanding the toxicology of complex mixtures of chlorinated hydrocarbons in fish and wildlife of the Great Lakes. In.: Dioxin '91 abstracts, p.24.

Giesy, J.P., P.D. Jones, **M. Mora**, J.L. Newsted, D.A. Verbrugge, R. Aulerich, S. Bursian, J.P. Ludwig, M.J. Ludwig, T.J. Kubiak, D.A. Best, G.T. Ankley, K.B. Lodge, D.E. Tillitt, K. Stromberg, and S. Tanabe. 1991. Relative concentrations of coplanar PCB, chlorinated dibenzo-dioxin (PCDD) and dibenzofuran (PCDF) congeners in fish and wildlife of the North American Great Lakes and their relationships with observed effects. In.: Dioxin '91 abstracts, p.63.

6. Films, CDs, Photographs, Web Pages

Mora, M.A. 2001. A geographic Information System Database for Environmental Contaminants in the Rio Grande/Rio Bravo Basin, 1965-1997. U.S. Geological Survey, Columbia Environmental Research Center, Columbia, MO. (CD-ROM).
http://gcmd.nasa.gov/records/GCMD_usgs_brd_cerc_riogrande.html

7. Exhibits, Performances, Demonstrations, Other Creative Activities: None

8. Original Designs. Plans, Inventions, Software, and/or Patents: None

9. Contracts and Grants

Grants				
Source	Year	Short Title	Role	Amount
TAMU-CONACYT	2018	POPs and Wildlife in Lerma-Chapala Watershed	PI	14,250
SENECA Foundation (Spain)	2018	Visiting Scientist, University of Murcia, SENECA Foundation, Spain.	PI	9,445
COALS	2017	Neuhaus-Shepardson Faculty Development	PI	2,000
CONACYT	2014-2015	Impacts of Hg on Aquatic birds in Mexico	PI	15,000
COALS	2014	Graduate Certificate in NR Policy	Co-PI	40,000
TPWD	2014-2015	Impacts of neonicotinoids on bobwhite quail	PI	75,000
TAMU-NSFC	2013	Impacts of harmful algal blooms on aquatic birds	PI	24,876
TCEQ	2013	Ellison Creek PCBs source study	Co-PI	20,000
TAMU-CONACYT	2013	Impacts of pollutants on birds during migration	PI	24,000
USGS	2011-2013	Stable isotopes in APCs and their diet	PI	89,500
TAMU-CONACYT	2011	Assessment of Hg in Chapala Lake	PI	23,700
US Geological Survey	2009-2010	Ecology of Rafinesque' big-eared bats	Co-PI	35,559
US Geological Survey	2007-2008	Ecology of Rafinesque' big-eared bats	Co-PI	59,374
US Geological Survey	2005-2007	Contaminants modeling, Edwards Aquifer	PI	75,000
National Park Service	2005-2007	Metal impacts, Red Dog Mine, Alaska	Co-PI	250,000
US Geological Survey	2004-2006	Ecology of Wading birds	PI	158,410
US Fish and Wildlife	2004-2007	Contaminants in Aplomado Falcons	Co-PI	96,850
US Geological Survey	2004-2005	Contaminants in US-Mexico border region	Co-PI	247,000
US Geological Survey	2003-2007	Simulation models for contaminants in birds	PI	125,000
US Geological Survey	2002-2005	Attwater's prairie chicken	PI	300,000
US Geological Survey	1999-2002	Endocrine disruptor studies	PI	100,000
National Park Service	2001	Contaminants in peregrine falcons	PI	20,000
Bureau of Reclamation	1999-2001	Contaminants in birds from Arizona	PI	195,000
US Geological Survey	1998	Contaminants in the Lower Rio Grande Valley	PI	92,700
US Geological Survey	1997-1998	Endocrine-disrupting chemicals in LRGV	PI	17,000
National Biol Service	1995-1996	Contaminants on biota of the LRGV	PI	86,500
U.S. Fish and Wildlife	1993-1995	Contaminants on Aplomado Falcons	PI	10,000
Michigan Great Lakes Protection Fund	1991-1992	Methods for screening OC contaminants	Co-PI	115,128
US EPA Great Lakes Office	1990-1991	Contaminants on the Saginaw River	Co-PI	125,207
UC MEXUS	1986	Pollutant dynamics and impacts on wildlife in northwest Mexico	PI	12,000
UC dissertation/thesis grant	1989-1990	Habitat use and contaminant impacts in cattle egrets in Mexico	PI	1,500
Jastro-Shields Graduate	186-1987	PhD Research support	PI	3,000

Research Award

Graduate Fellowships Obtained for Students

Source	Year	Short Title	Role	Amount
COALS	2017	Lechner Excellence Fellowship (Chelsea Hidalgo)	Advisor	5,000
OGAPS	2017	Graduate Diversity Fellowship (Chelsea Hidalgo)	Advisor	69,393
COALS	2015	Quail Research, Undergrad Award (Zack Johnson)	Advisor	1,200
COALS	2015	Tom Slick Fellowship to Zaria Torres	Advisor	25,000
COALS	2014	Cyanobacteria and aquatic birds (J. Ferguson)	Advisor	1,500
COALS	2014	Excellence fellowship (Hannah Baldwin)	Advisor	9,000
NSF-TAMU	2014-2015	LSAMP Bridge to the Doctorate (Chris Sandoval)	Advisor	78,000
NSF-TAMU	2011-2012	LSAMP Bridge to the Doctorate (Zaria Torres)	Advisor	78,600
Office of Graduate Studies	2009-2011	Graduate Diversity Fellowship (Alejandra Maldonado)	Advisor	87,000
Office of Graduate Studies	2009-2011	Pathways to the Doctorate Fellowship (Amanda Flynn)	Advisor	36,000
Office of Graduate Studies	2009-2011	Pathways to the Doctorate Fellowship (Judlyn Telesford)	Advisor	36,000
Alfred P. Sloan Foundation	2009-2011	Minority PhD program (Alejandra Maldonado)	Advisor	22,176
Alfred P. Sloan Foundation	2009-2011	Minority PhD program (Martha Agudelo)	Co-advisor	29,568
Office of Graduate Studies	2008-2009	Pathways to the Doctorate Fellowship (Vipul Saxena)	Advisor	8,000
Alfred P. Sloan Foundation	2009	Minority PhD Program (James Stephenson, Declined by student)	Advisor	29,568
Office of Graduate Studies	2008	Graduate Diversity Fellowship (Avier Montalvo, Declined by student)	Advisor	87,000

10. Awards, Special Recognitions

- 2016 COALS Dean's Outstanding Achievement Award for Diversity
- 2016 Distinguished Member recognition, SACNAS Board of Directors
- 2013 Distinguished Scientist National Award, SACNAS
- 2013 Certificate of Appreciation for Service in the SETAC World Council, 2009-2013
- 2012 Diversity Service Faculty Award, Texas A&M University
- 2010 SETAC Presidential Citation for Exemplary Service

- 2009 Founding Member, Texas A&M University SACNAS Student Chapter
- 2008 Alfred P. Sloan Foundation Certificate of Appreciation for advancing underrepresented minority students in STEM.
- 2007 Fellow, American Ornithologists' Union
- 2006 USGS, BRD, Star Award. In recognition of outstanding efforts and dedication to the goals and the mission of the U.S. Geological Survey.
- 2006 USGS. Central Region Diversity Award. In recognition of efforts to foster and encourage diversity.
- 2005 USGS, BRD, Star Award. For demonstrated outstanding success in representing the USGS in the private sector and professional societies.
- 2004 Certificate of Appreciation in recognition for service in the SACNAS Board of Directors
- 2004 Honorary Member, Science Advisory Board, Instituto Tecnológico de Jiquilpan, Jiquilpan, Michoacán, Mexico.
- 2003 USGS, BRD, Star Award. For demonstrated outstanding success in representing the USGS in the private sector and professional societies.
- 2001 Elective Member, American Ornithologists' Union.
- 1982 Distinguished Student Fellowship, UCD, 9/82-8/83
- 1985 CONACYT (Mexico) Fellowship for Ph.D. studies, 1/85-9/87
- 1981 CONACYT Fellowship for M.S. studies, 9/81-8/82
- 1981 Fellowship from Fauna Silvestre for M.S. studies, 1981

11. Editorships, Editorial Boards, Reviewing Activities for journals

- 2009-Date Associate Editor for Avian Ecotoxicology, *Ecotoxicology*.
- 2010 Guest Associate Editor, *the Southwestern Naturalist*
- 1994-1996, 2007-2012 - Editorial Board Member, *Environmental Toxicology and Chemistry*
- 2003-2016 Editorial Board Member, *Chemosphere*.
- 2002-2007 Editorial Board Member, *Environmental Pollution*.
- 1990-Date Reviewer for: *National Science foundation, Environmental Toxicology and Chemistry, Environmental Science and Technology, Ecotoxicology, Archives of Environmental Contamination and Toxicology, Ecotoxicology and Environmental Safety, Journal of the Great Lakes Research, Chemosphere, Journal of Field Ornithology, The Condor, Environmental Pollution, Environmental Practice, Environment International, Ecological Engineering, Ecological Modelling, Science of the Total Environment, Ecological Indicators, Texas Journal of Science, United States Department of Agriculture, U.S. Environmental Protection Agency, U.S. Geological Survey, Studies in Avian Biology, Wilson Bulletin, Journal of Wildlife Diseases, Ciencias Marinas, Turkish Journal of Zoology.*
- 2008 Judge of student posters. 6th annual pathways to the Doctorate symposium, Texas A&M University, Commerce, TX.
- 2000-2016 Judge for best student oral and poster presentation awards. Annual meetings of the Society for the Advancement of Chicanos and Native Americans in Science (SACNAS, Atlanta, Anaheim, Albuquerque, Austin, Denver, Tampa, Kansas City, Salt Lake City, San Jose CA, Seattle WA, San Antonio TX, Los Angeles, CA, Washington, DC, Long Beach, CA).

- 2007 Judge for best student poster presentations award, annual meeting of the Society of Environmental Toxicology and Chemistry (SETAC) Europe, Porto, Portugal.
- 2003 Participated in the review of 1500 abstracts and in preparation of the technical program for the annual meeting of SETAC, Austin, TX.
- 2002 Participated in the review of 1500 abstracts and in preparation of the technical program for the annual meeting of SETAC, Salt Lake City, UT.
- 1998 SETAC special awards judge, 49th International Science and Engineering Fair, in Fort Worth, Texas.
- 1990, 1995, 2001-2005 - Judge for best student poster awards, Annual meetings of SETAC North America (Washington, DC, Vancouver, Portland, Salt Lake City, Baltimore).

C. TEACHING, MENTORING, AND ADVISING

1. Courses Taught

- 2015, 2017 Ecological Risk Assessment (WFSC 689, 627), Fall semester (Odd years).
- 2015, The ecology and pollution of wetlands using Chapala Lake as an example. Graduate course, 2 Hs/week (Jan-July 2015). Offered while on Development Leave at the Centro Interdisciplinario para el Desarrollo Integral Regional (CIIDIR), Jiquilpan, Michoacan, Mexico.
- 2012, 2014—Wetland Ecology and Pollution (WFSC 628), TAMU.
- 2011 -Ecotoxicology. Intensive 30 h course given at the Interdisciplinary Research Center for Industrial and Rural Development (CIIDIR), Instituto Politecnico Nacional, Jiquilpan, Michoacan. 7 graduate students participated, January 2011.
- 2009-Present -Wildlife and Fisheries Conservation (WFSC 304, Spring Semester)
- 2008-2011, 2013, 2016 -Wildlife Ecotoxicology (WFSC 639/689, Spring and Fall 2008, 489/689 Spring 2009, 2010, 2011; Fall 2011, 2013, 2016).
- Graduate seminar in ecotoxicology, Texas A&M University (1995, 2002, 2004).
- Use of simulation models in ecotoxicology (40 hs). Co-taught with Dr. W Grant, TAMU, CIAD, Mazatlán, Sinaloa, Mexico (2003).
- Principles of ecotoxicology, 40 hrs ea. Universidad Autonoma de Yucatan, El Colegio de la Frontera Norte Matamoros, Instituto de Limnologia Guadalajara, Mexico (1991, 1995, 1996).
- Biochemistry, Universidad Nacional Autonoma de Mexico, (1976-1980, 2 semesters per year including laboratory sessions, Profesor Titular Asignatura A).

2. Guest lectures/Teaching Assistantships

- 2017 WFSC 304, Wildlife and Fisheries Conservation.
- 2016, 2017, 2018 – Wildlife Ecotoxicology of Pesticides. Applied Conservation Medicine VSCS 948- 302, School of Veterinary Medicine.
- 2015-2016 – Introduction to wildlife and fisheries conservation (WFSC 101).

- 2014 – Principles of ecotoxicology and impacts of contaminants on birds. 10 hr lectures provided to Chinese students at the School of the Environment, Nanjing University, China.
 - 2013 –Impacts of Pesticides on Neotropical migrant birds. Applied Conservation Medicine (VSCS 948-302), TAMU, Guest lecture.
 - 2011 -Ecotoxicology of Hg and Pb: Impacts on fish and wildlife, Guest lecture, VIBS 404 Honors/619 Food Toxicology, Veterinary School, TAMU
 - 2011 -Environmental sampling in ecotoxicology and case studies, Guest Lecturer, PHEO 605, Chemical Hazard Risk Assessment (2hr, School of Public Rural Health, Fall 2011).
 - 2009-2014, 2016, 2017, 2018 -Wildlife Ecotoxicology, Guest Lecturer, VIBS 670/PHEO 610 (2hr each, School of Public Health).
 - 2000, 2001 -Special Topics in Sampling and Environmental Monitoring (Guest Lecturer, Department of Plant Pathology, Texas A&M University).
 - 1989 -Principles of Biology I, University of California Davis (Teaching assistant)
 - 1983-1989 -Wildlife Ecotoxicology, University of California Davis (Teaching assistant)
 - 1989 -Museum Science, University of California Davis (Teaching Assistant).
3. Course or Curriculum Development
- Ecological Risk Assessment (WFSC 627)
Wetland Ecology and Pollution (WFSC 628) Wildlife
Ecotoxicology (WFSC 639)
Wildlife and Fisheries Conservation (WFSC 304)
4. Other Contributions to Teaching:
- Chair, Undergraduate Curriculum Review Committee, WFSC, COALS, TAMU 2017-present.
5. Special Research Recognitions
- 2016. Research on migratory birds highlighted in “Alianzas en Investigación” pamphlet published by Texas A&M University. “Birds of a Feather” by K. B. Socol, pp. 10-13.
 - 2010. YouTube blurb on my Research on aplomado falcons, EarthSky Communications, Inc. Austin, TX, http://www.youtube.com/watch?v=_hW07FQFM90.
 - 2009. Podcast La Clara Voz de la Ciencia, EarthSky Communications, Inc. Austin, TX, August 3, 2009, <http://www.earthsky.org/spanish/interviewpost/la-humanidad/el-dr-mora-habla-sobre-su-contribucion-para-el-mejoramiento-del-medio-ambiente>. Interview broadcasted in 200 U.S. Radio Stations, 1 in Spain, 3 in Puerto Rico, and 1 in northern Mexico.
 - 2007. Short biography profiled in book “Latinos in Science, Math, and Professions” by D. E. Newton, pp 159-160, 2007, Facts on File, Inc, New York.
 - 2004- Professional career highlighted in SACNAS web page: <http://www.sacnas.org/biography/Biography.asp?mem=154&type=2>
 - 2004. Professional career highlighted in University of Michigan web page: http://www.umich.edu/~meldi/4_profiles_minprof.html.
6. Advising: Committee Member

M.S.

2016-	Victor Alcantar,	CIATEJ, Monterrey, Mexico
2014-2015	Keith White	WMHS
2013-2015	Natalie Craig	WFSC (DE Program)
2012-2015	Xin Zhang	WMHS
2011-2013	Haley Wasson,	ESSM (DE program)
2011-2012	Morriah Cowden	WFSC (DE Program)
2011-2012	George Umphres	WFSC
2010-2013	Melvin Woody	WFSC
2007-2010	Eleanor H. Tittle	WFSC
1994-1996	Michael Corson	WFSC
1993-1994	Elena Pedersen	WFSC

Ph.D.

2018	Jhon Jairo López Perea	Universidad Castilla La Mancha, Spain (International committee member)
2018	Laura Monclus Anglada	Universitat de Barcelona, Spain (International Committee member)
2017-	Victor Cobos May	Mathematics
2014-2016	Vanessa Muñoz	Universidad de Campeche, Mexico
2010-2012	Erik Plata,	Chemistry
2010-2011	Maria Galvan Duran	Chemistry
2010-2016	Emily Rose	Biology
2010-2016	Mark Hutchinson	WFSC
2008-	Martha S Agudelo,	WFSC
2008-2009	Sepp Haukebo	WFSC
2004-2008	Gilvan T Yogui	Oceanography
2002-2005	Jorge M Pisani	WFSC
2002-2006	Laura Rivera,	Universidad de Baja California, Mexico
2000-2006	Victor Cobos	Colegio de la Frontera Sur, Mexico
1999-2002	Melissa Parker	WFSC
1998-2000	Michael Goldstein	WFSC
1998-1999	William J. Rogers	WFSC
1998-2001	Hyun-Min Hwang	Oceanography
1997-2000	June Soo Park	Oceanography
1993-1996	Bernardo Garcia	Oceanography
1993-1996	Piero Gardinali	Oceanography

7. Advising: Major Advisor**a. Undergraduate**

2015 WFSC Students:

Sara Stephens Omar
 Elhassan Kelly
 Persinger Zach
 Johnson

2014 WFSC Students:
 Jennina Jenzen, Elaine Ross, Sara Stephens, Omar Elhassan, Ally Pike, Kaitlyn Williams, Kurt Fleisher, Kelly Persinger, Christen Warkoczewski, Cecilia Fonseca, Lilianna Wolf, Jessica Ferguson, Kaitlin Thomas, Faith Byrd.

2013 WFSC Students:
 Charles Holder, Cassandra LaFleur 2012

WFSC Students:
 Laura Siffring, Callie Farrell, Brittany Srilla. 2011
 Bradley Kuecker WFSC

2009 Russell Bueton WFSC

2007-2009 Catherine Baxter Chemistry

2008 Rene Valdéz WFSC

1999 Michael Actkinson WFSC

1996 Alice Fuller WFSC

1994 Julie Miller WFSC

b. M.S.

2017- *Chelsea Hidalgo*

2017- *Kimberly Warren* (Distance Ed).

2015- *Natalie Craig* (Distance Ed).

2015-2016 *Clare Entwistle* (MS Thesis: Estimating net gains and losses of coastal wetlands in Galveston County and Cameron County, TX)

2014-2015 *Deisy Gonzalez* (CIIDIR, Jiquilpan, Mich. Mexico), Co-Chair. (MS Thesis: Tres especies de aves acuaticas como bioindicadores de la contaminacion por metals pesados del Lago de Chapala).

2014-2016 *Hannah Baldwin*. (MS Thesis: Impact of neonicotinoid insecticide use on Northern bobwhite in Texas).

2014-2017 *Erik Schmude*. (Distance Ed) Professional Paper: Using Feathers to Evaluate Adverse Effects of Metals on Northern Bobwhites (*Colinus virginianus*) in Texas

2013-2017 *Chris Sandoval*. MS Thesis: Persistent Organic Pollutants in Neotropic Cormorants (*Phalacrocorax brasilianus*) nesting along the Trinity River, Texas.

2013- *Beth Sabin* (Distance Ed)

2012-2013 *John Jordan* (Distance Ed). Professional Paper: A Review of Impacts of Persistent Organic Pollutants on Polar Bears.

2011-2013 *Glynda Mercier* (Distance Ed). Professional paper: Using Phytotechnology to Remove Total Suspended Sediments and Polycyclic Aromatic Hydrocarbons in the Edwards Aquifer

2010-2013 *Jennifer Laird*, (Distance Ed). Professional Paper: Bioaccumulation and Oxidative Stress in the Fathead Minnow (*Pimephales promelas*) Tissues,

- Exposed to Polyvinylpyrrolidone Coated Nanosilver and Silver Nitrate
- 2009-2011 *Crystal Watkins* (co-chair with K. Winemiller), Thesis: Assessment of mosquitofish (*Gambusia affinis*) downstream of domestic wastewater effluents in the bayous of Harris County, Texas.
- 2009-2010 *Lacy Hudson*, Non-thesis. Professional Paper. An analysis of the latitudinal variations of DDE indicated by residues in North American Birds
- 2008-2011 *James Stephenson*, Non-Thesis, Professional Paper: Student career experience program at Orangeburg National Fish Hatchery, South Carolina.
- 2007-2009 *Leann Wilkins*, Co-Chair with W. Grant. Use of simulation models for predicting impacts of human population growth on recovery and survival of the fountain darter in the San Marcos River and Springs, Texas.
- 2004-2007 *Catherine Engelman* (co-Chair with W. Grant), Thesis: Ecotoxicological Simulation Modeling: the effects of agricultural chemical exposure on borrowing owls wintering in south Texas cotton fields.
- 2004-2007 *Michael Parkes* (co-Chair with W. Grant). Thesis: Residential cattle egret colonies in Texas: geography, reproductive success and management.
- 2003-2005 *Megan Sitzlar*. Thesis. P-450 aromatase alterations and DNA damage as avian pollution biomarkers in cliff and cave swallows breeding near the Rio Grande Region, Texas.
- 1999-2003 *Daniel Musquiz*. Thesis: Cave and cliff swallows as indicators of exposure and effects of environmental contaminants on birds from the Rio Grande, Texas.
- 1996-1998 *Susan Wainwright*. Thesis: Screening for environmental contaminants and endocrine disruption in wildlife from the Lower Rio Grande Valley, Texas: an ecological and biomarker approach.
- 1995-1999 *Donell Frank*. Thesis: Chlorinated pesticides, polychlorinated biphenyls, and dioxins in colonial nesting waterbirds of Galveston, Bay, Texas.

c. Ph.D.

- 2016- *Brian Yates*,
2010-2017 *Zaria Torres*, Dissertation: Mixing ecology and toxicology in bird studies: Using stable isotopes for predicting diets and evaluating metal toxicity in aquatic birds.
- 2009- *Alejandra Maldonado*, Dissertation: Elucidating accumulation of persistent organic pollutants in neotropical migratory birds.
- 2009-2014 *Judlyn Telesford*, Dissertation: Assessing Avian Contribution of *Escherichia coli* and Nutrient Loads to Watersheds
- 2009-2010 *Amanda Flynn*, (dropped after 1 year)
- 2008-2010 *Vipul Saxena*, (Not completed, went back to India).

c. Visiting Scholars

2014	Xiaowei Zhang, Professor, Nanjing University, China.
2014	Jorge Navarro, Professor, Universidad Autónoma de Yucatán, Merida, Yucatán, Mexico.
2011-2012	Martín Pereda Solís, Professor, Universidad Autónoma de Durango, Mexico.
2007	Virag Kertesz, Department of Zoology and Ecology, Szent István University, Hungary.
2005, 2009	Victor Cobos, Professor, Universidad Autonoma de Yucatan, Merida Yucatan, Mexico

D. SERVICE

1. Professional

a. Offices and Committees – Professional Organizations

Memberships

- American Ornithological Society (2016-Present)
- International Ornithologists' Union, (2015-Present)
- American Association for the Advancement of Science (1986-1990, 2001-Present)
- Society of Environmental Toxicology and Chemistry (1981-Present)
- American Ornithologists' Union (1981-2016)
- Cooper Ornithological Society (1985-2016)
- Sigma Xi (1982-Present)
- Colonial Waterbirds Society (1988-Present)
- Southwestern Association of Naturalists (1994-2014)
- Society for the Advancement of Chicanos and Native Americans in Science (Life and Friend of the Society Member, 1998-present)
- The Wildlife Society (1997-2007)
- Wilson Ornithological Society (1992-2004)

Offices

2014-2016	Board of Directors SACNAS (elected)
2009-2013	Board Member, SETAC World Council (elected)
2008-2010	Member (elected), Board of Directors, SETAC North America.
2006	Immediate Past Chair, Wildlife Toxicology Working Group, The Wildlife Society.
2005	Chair, Wildlife Toxicology Working Group, The Wildlife Society.
2004	Chair-Elect, Wildlife Toxicology Working Group, The Wildlife Society 2002-2004-
2007	Member (elected), Board of Directors, SACNAS.

Committees (Governance, Ad Hoc)

2015-2016	Member, Bylaws Committee, SACNAS
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2014-2018	Member, Distinguished Awards Committee, SACNAS
2014-2016	Member, Strategic Planning Task Force, SACNAS
2011	SETAC Mexico Focus Meeting Program Committee Member, Merida, Yucatán, Mexico.
2011-2013	Chair, Membership Committee, SETAC World Council
2011	Co-Chair, Nominations Committee, SACNAS.
2002-2009	Chair, Nominations Committee, SACNAS. 2002-
2008	Member, By Laws Committee, SACNAS. 2002-
2008	Member, Geosciences Committee, SACNAS.
2006	Member of selection committee for SEEDS (Strategies for Ecology, Education, Development, and Sustainability) student field trips. Ecological Society of America.
2005	At-large Member, SETAC North America Meetings Committee.
2003-2007	SACNAS Representative to the AAAS Section Committee on the “Societal Impacts of Science and Engineering”.
2003	Co-Chair, Program Committee, SETAC Annual Meeting, Austin, TX. 2001 Member, 11 th annual meeting Organizing Committee, SETAC Europe, Madrid, Spain.
2001-2004	Member, Ethnic and Gender Diversity Committee, The Wildlife Society.
2001-2003	Member, Awards and Fellowships Committee, SETAC.
2000	Member, 21 st annual meeting Organizing Committee, SETAC, Nashville, Tennessee.
1999-2002	Co-Chair, International Programs Committee, SETAC.
1999-2005	Member, Southwestern Association of Naturalists Membership Committee.
1997-99	Member, International Programs Committee, SETAC.
1997	Member, American Ornithologists’ Union Membership Committee.

b. NSF and EPA Panels, Reviewing Activities for Government Agencies and Universities

2016-	Member CONACYT Registry of Credited Peer-Reviewers
2016	Committee Member, Academic Program Review, Earth Systems Science Program, School of Natural Resources, University of California Merced.
2016	Panel member, NSF International Research Experiences for Students (IRES) program, Washington, DC.
2014	Member of the Committee of Visitors (COV) for the NSF Office of International and Integrative Activities (OIIA), International Science and Engineering (ISE).
2013	Panel member, NSF International Research Experiences for Students (IRES) program, Washington, DC.
2013	Panel member, NSF Graduate Research Fellowship Program, Washington, DC
2012	Panel member, STAR Fellowship program, EPA, Washington, DC.
2011-2012	SPRINGER, Search Committee Member for Editor in Chief of 3 journals: Archives of Environmental Contamination and Toxicology, Bulletin of Environmental Contamination and Toxicology, and The Environmentalist.

- 2005 Member of the NEON (National Ecological Observatory Network) Design Consortium Committee, American Institute of Biological Sciences (AIBS) and National Science Foundation.
- 2005 Member, National Research Grade Evaluation Panel, U.S. Geological Survey, Montreal, Canada.
- 2004 Member of the Committee on Mustard Processing at Tooele Chemical Agent Disposal Facility, National Research Council, The National Academies.
- 2003-2007 Member, External Advisory Board, CEA-CREST (Center for Environmental Analysis – Centers of Research Excellence in Science and Technology), California State University, Los Angeles.
- 2001 Member of Evaluation Committee, Dexter National Fish Hatchery and Technology Center, U.S. Fish and Wildlife, Dexter, New Mexico.
- 2001 Member of the Peer-review Panel (EPA, Bethesda, MD). Competitive graduate environmental study fellowships, STAR (science to achieve results) program.
- 2000 Member of the Search Committee, EPA Ecology Division Directors: Atlantic Ecology Division Director, Narragansett, RI, and Western Ecology Division Director, Corvallis, OR.
- 1999 Member, National Research Grade Evaluation Panel, U.S. Geological Survey, Burlington, Vermont.
- 1997 Member, Regional Research Grade Evaluation Panel, U.S. Geological Survey, Columbia, Missouri.

c. Mentoring

- 2015-2016 Registered Mentor, National Research Mentoring Network (NRMN). 2000-2016 Student mentor, conversations with scientists and Geosciences program, SACNAS annual meetings.
- 1999-2016 Student mentor, SETAC North America annual meetings.
- 2005 Student Mentor, SEEDS Program, annual meeting of the Ecological Society of America, Montreal, Canada
- 2004 Invited speaker, Career Experiences panel, SETAC annual meeting, Portland, OR.
- 2004 Member of expert orientation panel, SACNAS annual meeting, Austin, TX.

d. Other non-University Committees, Panels: None

e. International Activities not Listed Above

- 2018 Visiting Professor, School of Veterinary Medicine, University of Murcia, Spain (3 months).
- 2015 Visiting Faculty (Developmental Leave), CIIDIR, IPN, Jiquilpan, Michoacan, Mexico (8 months).
- 1997 SETAC representative, 2nd Mexican Congress of Toxicology, Universidad Autonoma Metropolitana, Iztapalapa, Mexico City.

2. University Service

a. WFSC Department

2017-	WFSC Scholarship Committee
2017-	Faculty Advisory Board
2017-	Chair, Undergraduate Curriculum Review Committee
2017-	Associate Department Head for Undergraduate Programs
2016-	Legacy Committee
2015	Wildlife Curriculum Review Committee
2014-	Mentor for Mariana Mateos, Associate Professor
2012-date	WFSC Distance Education Committee
2010-2016	WFSC Graduate Affairs Committee
2010-date	WFSC Department representative for the Sloan Foundation's Minority Ph.D. Program
2008-date	A&M Sloan Mentor, Alfred P. Sloan Foundation.

Member, Faculty search committees

2015	Boone and Crockett
2015	Wetland Avian Ecologist
2009	Ichthyologist
2008	Ornithologist
2008	Mammalogist
2007	Ornithologist
2007	Mammalogist
1995	Herpetologist
1994	Fisheries Biologist
1993	Avian Ecologist

b. College

2017-	Undergraduate Program Council Committee
2017-	Dean's Outstanding Achievement Awards Selection Committee
2013-2015	Member COALS One Health Focus Group.
2009-2014	Hispanic Leaders in Agriculture and the Environment (HLAE) Faculty Advisor.

c. University

2017	Co-Advisor, TAMU SACNAS Student Chapter
2017	Personnel and Welfare Committee, Faculty Senate.
2016	Diversity and Inclusion Task Force
2016-2018	Committee on Academic Freedom, Responsibility, and Tenure.

2016	Reviewer, Diversity Fellowships.
2015-2016	Academic Advisor, Texas A&M University SETAC Student Chapter
2015-2016	Recognition and Awards Committee, Faculty Senate
2013-2014	Workplace Climate and Diversity Committee.
2013-2014	Bush Excellence Awards Committee.
2012-Present	Faculty Senator for Agriculture and Life Sciences, Place 13.
2012-Present	NSF AGEF-Transitions Steering Committee, Office of Graduate Studies.
2012	Member, Search Advisory Committee for Dean of Faculties and Associate Provost
2012-2014	Academic Civil Rights Investigations Committee (ACRIC).
2010	Reviewer, Merit Fellowship applications. Reviewed 16 applications.
2009-2015	Academic Advisor, Texas A&M University SACNAS Student Chapter

d. Special Administrative Assignments: None

e. Other

3. Community, State, National, International: None

4. Service Awards and Honors

2013	SETAC, World Council award for exemplary service.
2010	SETAC, Presidential citation for exemplary service.
2004	SACNAS, Certificate of Appreciation for serving on Board of Directors and commitment to Diversity.