

M. Andres Soto, Ph.D.

Associate Professor
Department of Biology
Texas A&M University-Kingsville
MSC 158: Biology
Kingsville, TX 78363

Tel: (361) 593-4332
Fax: (361) 593-3800
Email: kfm01@tamuk.edu

Education

Ph.D., Coastal Science, University of Southern Mississippi, 2001
M.S., Biology, Texas A&M University-Kingsville, 1997
B.S., Biology, Texas A&M University-Kingsville, 1993

Professional Experience

2005, Associate Professor, Department of Biology, Texas A&M University-Kingsville
2001, Assistant Professor, Department of Biology, Texas A&M University-Kingsville
2001, Post-doctoral Research Associate: University of Southern Mississippi, Dr. Jeffrey M. Lotz
1997-2001, Research Assistant: University of Southern Mississippi, Dr. Jeffrey M. Lotz
2000-present, Virus monitoring on south Texas shrimp farms
1995-1997, Research Assistant: University of Texas Marine Science Institute, Dr. Joan Holt
1995-1996, Student Conservation Association, Americorps, 2 terms
1995-1996, Teaching Assistant: Dr. Steven A. Smith, Ornithology, Texas A&M University
Kingsville
1996, Teaching Assistant: Dr. Steven A. Smith, Vertebrate Zoology, Texas A&M University
Kingsville

List of Courses Taught

Introductory Cellular and Molecular Biology, Introductory Zoology, Introductory Biology II, Invertebrate Zoology, Ecology, Parasitology, Ichthyology, Marine Ecology, Undergraduate Seminar, Graduate Seminar, Research Topics in Biology (All at TAMUK)

Bibliography of publications

Refereed Journal Articles

- Powell RL, **Soto MA**, Gonzalez RH, Purviance JR. 2008. Secretory vesicle refilling and toxin production in *Ollotis nebulifer* (Coastal plain toad) and *Anaxyrus speciosus* (Texas toad) following transcutaneous electrical stimulation of the parotoid glands. *The Texas Journal of Science* 60(3): 171-178.
- Powell, R. L., **M. A. Soto**, M. L. Leidner, and W. R. Austin. 2007. Natural history notes: *Masticophis schotti schotti* (Schott's Whipsnake). Maximum size record. *Herpetological Review* 38:208-209.
- Lotz JM, Salazar L, **Soto MA**. 2005. The effect of salinity stress on survival of naive and chronic, Taura syndrome virus infected shrimp (*Litopenaeus vannamei*). *Diseases of Aquatic Organisms* 65:75-78.

- Soto MA**, Lotz JM. 2003. Transmission, Virulence, and Recovery Coefficients of White Spot Syndrome Virus and Taura Syndrome Virus Infections in *Litopenaeus vannamei* (Kona Stock). *Journal of Aquatic Animal Health* 15(1): 48-54.
- Lotz JM, **Soto MA**. 2002. A model of white spot syndrome virus (WSSV) epidemics. *Diseases of Aquatic Organisms* 50:199-202.
- Soto MA**, Lotz JM. 2001. Epidemiological parameters of white spot syndrome virus (WSSV) infections in *Litopenaeus vannamei* and *L. setiferus*. *Journal of Invertebrate Pathology* 78:9-15.
- Soto MA**, Shervette VR, Lotz JM. 2001. Estimating transmission rates from a white spot syndrome virus (WSSV) infected cephalothorax, abdomen, and whole shrimp cadaver. *Diseases of Aquatic Organisms* 45(2):81-87.
- Rooker J, Holt SA, Holt GJ, **Soto MA**. 1998. Recruitment of sciaenids to subtropical seagrass meadows: patterns in nursery habitat use. *Estuaries* 21:318-327.
- Soto MA**, Holt GJ, Holt SA, Rooker J. 1998. Food habits and dietary overlap of newly settled red drum (*Sciaenops ocellatus*) and Atlantic croaker (*Micropogonias undulatus*) from Texas seagrass meadows. *Gulf Research Reports* 10:41-55.

Nonrefereed Proceedings

- Soto MA**, Shervette VR, Lotz JM. 2000. Susceptibility of *Litopenaeus vannamei*, *Farfantepenaeus duorarum* to white spot syndrome virus (WSSV) and infection of *Menippe adina* with WSSV. *Proceedings of the Gulf and Caribbean Fisheries Institute*.

Chapters

- Lotz JM, Davidson J, **Soto MA**. 2001. Two approaches to epidemiology in shrimp aquaculture disease control. In "The new wave: environmentally friendly shrimp production technologies", Browdy CL and Jory D editors. World Aquaculture Society. Invited contribution.

External grants.

- MA Soto** and Holt S. 2006. Baffin Bay Arroyos Critical Fish Habitat. Coastal Bend Bays and Estuaries Program. \$45,000

Completed Masters Student

Plan I.

- Jaime Svadlenka. Parasite assemblages of Atlantic croaker (*Micropogonias undulatus*) from two typical estuaries and a hypersaline lagoon. 2005.
- Jennifer Purviance. Evidence for anadromy in some populations of black drum (*Pogonias cromis*) from the Laguna Madre, Texas. 2006.

Honors and Awards

- Presidential Award for Excellence in Research and Scholarship, College of Arts and Sciences
2003-4