

TEXAS STATE VITA

I. ACADEMIC BACKGROUND

Joseph R. Tomasso, Jr.

Professor & Chair

Educational background

PhD	1981	Biology	Memphis State University
MS	1978	Biology	Middle Tennessee State University
BS	1974	Secondary Education	University of Tennessee, Martin

University experience

2006-present	Professor of Biology & Chair of Department	Texas State University
1990-2006	Professor of Aquaculture	Clemson University
1987-1990	Associate Professor of Aquaculture	Clemson University
1986-1987	Associate Professor of Biology	Texas State University
1981-1986	Assistant Professor of Biology	Texas State University

Relevant professional experience

1977-1981	Graduate Teaching Assistant	University of Memphis
1976-1977	Graduate Teaching Assistant	Middle Tennessee State University
1974-1976	Junior High School Science Teacher	Wilson County (TN) Public Schools

II. TEACHING

Teaching honors & awards

None

Courses taught

Introductory Biology (various versions)	Undergraduate	21 sections	1,117 students
Human Anatomy and Physiology	Undergraduate	18 sections	1,013 students
Toxicology / Aquatic Toxicology	Graduate	6 sections	62 students
Aquaculture / Fish Hatchery Management	Undergraduate/Graduate	23 sections	732 students
Fish Physiology	Graduate	9 sections	91 students
Ichthyology	Undergraduate/Graduate	6 sections	83 students
Comparative Animal Physiology	Undergraduate/ Graduate	2 sections	78 students

Graduate students directed (committee chair)

Student	Year	Degree	Current
Michael Denson	2006	PhD	Research Biologist, South Carolina Department of Natural Resources
Kelly Burkey	2006	MS	Defense completed, finishing teaching commitment
Anthony Sowers	2005	MS	PhD student, Environmental Toxicology, Clemson University
Heidi Atwood	2002	PhD	Research Biologist, South Carolina Department of Natural Resources
Win Taylor	2000	MS	Fishery Biologist, North Carolina Department of Natural Resources
Dan Ashe	1995	MS	Fishery Biologist, Alaska Department of Natural Resources
Carol Seals	1994	MS	Raising a family (PhD, Oregon State University)
Paul Alford	1992	PhD	Director, Pharmacy Dept, Carolina Pines Regional Medical Center
Chuck Weirich	1991	PhD	Research Biologist, US Department of Agriculture (Vero Beach FL)
David Wise	1989	MS	Research Biologist, MS Agricultural & Forestry Exp Station (PhD, Clemson U)
Michael Urrutia	1987	MS	Biologist, Guadalupe-Blanco River Authority (TX)
Pat Mazik	1985	MS	Adjunct UWV (USGS Cooperative Research Unit) (PhD, U Memphis)
Colleen Caldwell	1985	MS	Adjunct NMSU (USGS Cooperative Research Unit) (PhD, U TN)
Michael Gutzmer	1984	MS	Biologist: Electric Power Research Institute (Columbus, Nebraska)
Randy Palachek	1984	MS	Associate: Parsons Infrastructure & Technology Group (Austin TX)

Member of an additional 46 MS and 12 PhD committees

Courses prepared & curriculum development

See courses taught – above

Funded external teaching grants & contracts

None

Submitted but not funded external teaching grants & contracts

None

Funded internal teaching grants & contracts

None

Submitted but not funded internal teaching grants & contracts

None

Other

None

III. SCHOLARLY / CREATIVE

A. Works in print

Books

Scholarly monographs

None

Textbooks

None

Edited books

Tomasso, JR (editor). 2002. *Aquaculture and the Environment in the United States*. US Aquaculture Society/ World Aquaculture Society, Baton Rouge, 277pp.

Brune, D & JR Tomasso. 1991. *Aquaculture and Water Quality*. World Aquaculture Society, Baton Rouge, 606pp.

Chapters in books

Tomasso, JR. Inorganics and physiochemical characteristics of water. Pages in GM Rand, MA Lewis & SJ Klaine (editors). *Fundamentals of Aquatic Toxicology* (3rd Edition). Taylor & Francis, Washington DC (**submitted**).

Weirich, CR, TIJ Smith, WE Jenkins, MR Denson, AD Stokes, JR Tomasso, J Chappell & D Burnside. 2006. Cobia aquaculture research in South Carolina, USA. Pages in IC Liao (editor) *Cobia Aquaculture: Research Development & Commercial Production*. Asian Fisheries Society & Fisheries Society of Taiwan, Quezon City, Philippines (**in press**).

Hargreaves, J & JR Tomasso. 2004. Environmental biology. Pages 36-68 in CS Tucker and JA Hargreaves (editors) *Biology and Culture of Channel Catfish*. Elsevier Science Publishers, New York.

Tomasso, JR. 2002. Global aquaculture production with an emphasis on the US. Pages 1-7 in JR Tomasso (editor). *Aquaculture and the Environment in the US*. US Aquaculture Society/World Aquaculture Society, Baton Rouge.

Tomasso, JR, DM Gatlin & CR Weirich. 2001. Modulation of environmental requirements of finfish through nutrition. Pages 313-316 in C Lim and CD Webster (editors). *Nutrition and Fish Health*. Haworth Press, New York.

Carmichael, GJ, JR Tomasso & TE Schwedler. 2001. Fish transportation. Pages 641-660 in G Wedemeyer (editor). *Fish Hatchery Management* (second edition). American Fisheries Society, Bethesda.

Colt, J & JR Tomasso. 2001 Hatchery water supplies and treatment. Pages 91-186 in G Wedemeyer (editor). *Fish Hatchery Management* (second edition). American Fisheries Society, Bethesda.

Tomasso, JR. 1998. Intensive production of channel catfish in the southern United States. Pages 325-334 in Anais do Aquicultura Brasil '98 (Volume 1). Latin American Chapter, World Aquaculture Society, Baton Rouge.

Tomasso, JR. 1997. Environmental requirements and noninfectious diseases. Pages 253-270 in RM Harrell (editor). *Striped Bass and Other *Morone* Culture*. Elsevier Science Publishers, New York.

Tomasso, JR. 1993. Environmental requirements and environmental diseases of freshwater and estuarine temperate fishes. Pages 240-246 in M Stoskopf (editor). *Fish Medicine*. WB Saunders, Philadelphia.

Williamson, JH, GJ Carmichael, BA Simco, K Graves & JR Tomasso. 1993. Centrarchids. Pages 145-197 in RR Stickney (editor). *Culture of Nonsalmonid Freshwater Fishes* (second edition). CRC Press/Lewis Publishers, Boca Raton.

Tomasso, JR & DE Brune. 1991. Aquaculture and water quality. Pages 11-20 in DE Brune and JR Tomasso (editors). *Aquaculture and Water Quality*. World Aquaculture Society, Baton Rouge.

Simco, BA, JH Williamson, GJ Carmichael & JR Tomasso. 1986. Centrarchids. Pages 78-89 in RR Stickney (editor). *Culture of Nonsalmonid Freshwater Fishes*. CRC Press, Boca Raton.

Creative books

None

Articles

Refereed journal articles (students are underlined)

- Hoang, TC, SJ Gallagher, JR Tomasso & SJ Klaine. Relationship between the toxicity of two pulsed metal exposures in *Daphnia magna*: role of pulse duration and concentration and interval between pulses. Archives of Environmental Contamination & Toxicology (submitted).
- Burkey, K, SP Young, TIJ Smith & JR Tomasso. Low-Salinity Resistance of Cobia. North American Journal of Aquaculture (accepted).
- Hoang, TC, JR Tomasso & SJ Klaine. 2007. An integrated model describing the toxic responses of *Daphnia magna* to pulsed exposures of three metals. Environmental Toxicology & Chemistry 26:132-138.
- Sowers, AD, SP Young, M Grosell, CL Browdy & JR Tomasso. 2006. Hemolymph osmolality and cation concentrations in *Litopenaeus vannamei* during exposure to low concentrations of dissolved solids: relationship to potassium flux. Comparative Biochemistry & Physiology 145A:176-180.
- Young, SP, TIJ Smith & JR Tomasso. 2006. Survival and water balance of black sea bass held in a range of salinities and calcium-enhanced environments after abrupt salinity change. Aquaculture 258:646-649.
- Sowers, AD, CL Browdy, HL Atwood & JR Tomasso. 2006. Production characteristics of *Litopenaeus vannamei* in low-salinity water augmented with mixed salts. Journal of the World Aquaculture Society 37:214-217.
- Zahner, HN, EJ Van Genderen, JR Tomasso & SJ Klaine. 2006. Whole-body sodium concentration in larval fathead minnows (*Pimephales promelas*) during and following copper exposure. Environmental Toxicology & Chemistry 25:1635-1639.
- Bielmyer, GK, JR Tomasso & SJ Klaine. 2006. Physiological responses of hybrid striped bass to aqueous copper in freshwater and saltwater. Archives of Environmental Contamination & Toxicology 50:531-538.
- Tomasso, JR & M Grosell. 2005. Physiological basis for large differences in resistance to nitrite among freshwater and freshwater-acclimated euryhaline fishes. Environmental Science & Technology 39:98-102.
- Van Genderen, E, A Ryan, JR Tomasso & SJ Klaine. 2005. Evaluation of acute copper toxicity to larval fathead minnows (*Pimephales promelas*) in soft surface waters. Environmental Toxicology & Chemistry 24:408-414.
- Bielmyer, GK, DM Gatlin, JJ Isely, JR Tomasso & SJ Klaine. 2005. Responses of hybrid striped bass to waterborne and dietary copper in freshwater and saltwater. Comparative Biochemistry & Physiology 140C:131-137.
- Sowers, AD, DM Gatlin, SP Young, JJ Isely, CL Browdy & JR Tomasso. 2005. Responses of *Litopenaeus vannamei* (Boone) in water containing low concentrations of total dissolved solids. Aquaculture Research 36:819-823.
- Bettinger, J, JJ Isely & JR Tomasso. 2005. Hooking mortality and physiological responses of striped bass angled in freshwater and held in live-release tubes. North American Journal of Fisheries Management 25:1273-1280.
- Neill, WH, TS Brandes, BJ Burke, SR Craig, LV DiMichele, K Duchon, RE Edwards, LP Fontaine, DM Gatlin III, C Hutchins, RE Edwards, JM Miller, BJ Ponwith, CJ Stahl, JR Tomasso & RR Vega. 2004. Ecophys.fish: a simulation model of fish growth in time-varying environmental regimes. Reviews in Fisheries Science 12:233-288.
- Hargreaves, J & JR Tomasso. 2004. Environmental biology. Pages 36-68 in CS Tucker and JA Hargreaves (editors) Biology and Culture of Channel Catfish. Elsevier Science Publishers, New York.
- Ryan, AC, EJ Van Genderen, JR Tomasso & SJ Klaine. 2004. Influence of natural organic matter source on copper toxicity to larval fathead minnows (*Pimephales promelas*): Implications for the Biotic Ligand Model. Environmental Toxicology & Chemistry 23:1567-1574.
- Atwood, HL, SP Young, JR Tomasso & TIJ Smith. 2004. Information on selected water quality characteristics for the production of black sea bass *Centropristis striata* juveniles. Journal of Applied Aquaculture 15 (3/4):183-190.
- Atwood, HL, SP Young, JR Tomasso & TIJ Smith. 2004. Resistance of cobia *Rachycentron canadum* to low salinity, low

- temperature, and high environmental nitrite concentrations. *Journal of Applied Aquaculture* 15 (3/4):191-195.
- Bielmyer, GK, SJ Klaine, JR Tomasso & WR Arnold. 2004. Changes in water quality after addition of sea salts to fresh water: implications during toxicity testing. *Chemosphere* 57:1707-1711.
- Sowers, AD, SP Young, JJ Isely, CL Browdy & JR Tomasso. 2004. Nitrite toxicity to *Litopenaeus vannamei* in water containing low concentrations of sea salts or mixed salts. *Journal of the World Aquaculture Society* 35:445-451.
- Sciera, K, JJ Isely, JR Tomasso & SJ Klaine. 2004. Influence of multiple water-quality characteristics on copper toxicity to fathead minnows (*Pimephales promelas*). *Environmental Toxicology & Chemistry* 23:2900-2905.
- Hoang, TC, JR Tomasso & SJ Klaine. 2004. Influence of water quality and age on nickel toxicity to fathead minnows. *Environmental Toxicology & Chemistry* 23:86-92.
- Atwood, HL, JR Tomasso, K Webb & DM Gatlin. 2003. Low-temperature tolerance of Nile tilapia, *Oreochromis niloticus*: effects of environmental and dietary factors. *Aquaculture Research* 34:241-251.
- Fuller, SA, JP Henne, GJ Carmichael & JR Tomasso. 2003. Toxicity of ammonia and nitrite to Gila trout. *North American Journal of Aquaculture* 65:162-164.
- Atwood, HL, SP Young, JR Tomasso & TIJ Smith. 2003. Effect of temperature and salinity on survival, growth and condition of juvenile black sea bass. *Journal of the World Aquaculture Society* 34:398-402.
- Van Genderen, EJ, AC Ryan, JR Tomasso & SJ Klaine. 2003. Influence of dissolved organic matter source on silver toxicity to *Pimephales promelas*. *Environmental Toxicology & Chemistry* 22:2746-2751.
- Tomasso, JR, GJ Carmichael & SA Fuller. 2003. Nitrite toxicity to the razorback sucker and the bonytail: inhibition by environmental chloride. *Journal of Applied Aquaculture* 14 (1/2):179-183.
- Atwood, HL, SP Young, JR Tomasso & CL Browdy. 2003. Survival and growth of *Litopenaeus vannamei* postlarvae in low-salinity and mixed -salt environments. *Journal of the World Aquaculture Society* 34:518-523.
- Tomasso, JR, DM Gatlin & CR Weirich. 2001. Modulation of environmental requirements of finfish through nutrition. Pages 313-316 in C Lim and CD Webster (editors). *Nutrition and Fish Health*. Haworth Press, New York.
- Atwood, HL, QC Fontenot, JR Tomasso & JJ Isely. 2001. Toxicity of nitrite to Nile tilapia: effect of fish size and environmental chloride. *North American Journal of Aquaculture* 63:49-51.
- Atwood, HL, SP Young, JR Tomasso & TIJ Smith. 2001. Salinity and temperature tolerances of black sea bass juveniles. *North American Journal of Aquaculture* 63:285-288.
- Atwood, HL, JR Tomasso & TIJ Smith. 2001. Nitrite toxicity to southern flounder in fresh and brackish water. *Journal of the World Aquaculture Society* 32:348-351.
- Atwood, HL, JR Tomasso, PJ Ronan, BA Barton & KJ Renner. 2000. Brain monoamine concentrations as predictors of growth inhibition in channel catfish exposed to ammonia. *Journal of Aquatic Animal Health* 12:69-73.
- Taylor, WE, JR Tomasso, CJ Kempton & TIJ Smith. 2000. Low temperature tolerance of southern flounder: effect of salinity. *Journal of the World Aquaculture Society* 31:69-72.
- Tomasso, JR & CJ Kempton. 2000. Effects of salinity on production characteristics of red drum. *Journal of Applied Aquaculture* 10(2):67-71.
- Tomasso, JR & CJ Kempton. 2000. Effects of temperature on production characteristics of red drum. *Journal of Applied Aquaculture* 10(2):73-78.
- Fontenot, QJ, JJ Isely & JR Tomasso. 1999. Characterization and inhibition of nitrite uptake in shortnose sturgeon fingerlings. *Journal of Aquatic Animal Health* 11:76-80.
- Tomasso, JR, CJ Kempton, A Gallman & TIJ Smith. 1999. Comparative production characteristics of sunshine bass and sunshine bass x striped bass. *North American Journal of Aquaculture* 61:79-81.
- Gallman, A, JJ Isely, JR Tomasso & TIJ Smith. 1999. Short-term physiological responses of wild and hatchery-produced red drum during angling. *North American Journal of Fisheries Management* 19:833-836.
- Isely, JJ & JR Tomasso. 1998. Estimating fish abundance in a large reservoir by mark-recapture. *North American Journal of Fisheries Management* 18:269-273.

- Fontenot, QJ, JJ Isely & JR Tomasso. 1998. Acute toxicity of ammonia and nitrite to shortnose sturgeon fingerlings. *Progressive Fish-Culturist* 60:315-318.
- Seals, C, AG Eversole, JR Tomasso & B Petrosky. 1997. Effect of temperature on feeding activity of the white river crayfish. *Journal of the World Aquaculture Society* 28:133-141.
- Ridley, CA, JJ Isely & JR Tomasso. 1997. Effects of supplemental feeding on physiological responses to angling of striped bass. *North American Journal of Fisheries Management* 17:791-794.
- Dickey, C, JJ Isely & JR Tomasso. 1997. Slow growth did not decouple the otolith size-fish size relationship in striped bass. *Transactions of the American Fisheries Society* 126:1027-1029.
- Tomasso, AO, JJ Isely & JR Tomasso. 1996. Physiological responses and mortality of striped bass to angling in freshwater. *Transactions of the American Fisheries Society* 125:321-325.
- Ashe, D, JR Tomasso, AG Eversole & TIJ Smith. 1996. Toxicity of ammonia to white bass: effect of environment on uptake. *Progressive Fish-Culturist* 58:277-280.
- Weirich, CR & JR Tomasso. 1995. Plasma and brain glutamine concentrations unsuitable as clinical indicators of ammonia toxicosis in channel catfish. *Journal of Aquatic Animal Health* 7:265-267.
- Tomasso, JR. 1995. Environmental requirements of aquaculture animals: a conceptual summary. *World Aquaculture* 27(2):27-31.
- Tomasso, JR. 1994. Toxicity of nitrogenous wastes to aquaculture animals. *Reviews in Fisheries Science* 2:291-314.
- Alford, PB, JT Tomasso, AB Bodine & C Kendall. 1994. Apoptotic cell death of peripheral leukocytes in channel catfish: effect of confinement-induced stress. *Journal of Aquatic Animal Health* 6:64-69.
- Seals, C, JR Tomasso, C Kempton & TIJ Smith. 1994. Environmental calcium does not affect production or selected blood characteristics of sunshine bass reared under normal culture conditions. *Progressive Fish-Culturist* 56:269-272.
- Williamson, JH, GJ Carmichael, BA Simco, K Graves & JR Tomasso. 1993. Centrarchids. Pages 145-197 *in* RR Stickney (editor). *Culture of Nonsalmonid Freshwater Fishes* (second edition). CRC Press/Lewis Publishers, Boca Raton.
- Weirich, CR, JR Tomasso & TIJ Smith. 1993. Toxicity of ammonia and nitrite to sunshine bass in selected environments. *Journal of Aquatic Animal Health* 5:64-72.
- Alford, PB, JR Tomasso & AB Bodine. 1993. Erythropoiesis and maturation of erythrocytes in peripheral circulation in channel catfish. *Copeia* 1993:889-890.
- Wise, DJ, JR Tomasso, DM Gatlin, SC Bai & VS Blazer. 1993. Effects of dietary vitamin E on red blood cell peroxidation, glutathione peroxidase activity, and macrophage superoxide anion production in channel catfish. *Journal of Aquatic Animal Health* 5:177-182.
- Wise, DJ, JR Tomasso, TE Schwedler, VS Blazer & DM Gatlin. 1993. Effect of vitamin E on the immune response of channel catfish to *Edwardsiella ictaluri*. *Journal of Aquatic Animal Health* 5:183-188.
- Terhune, JS, JR Tomasso, TE Schwedler & JA Collier. 1992. Increasing yields of channel catfish using a combination of cage and open pond production systems. *Journal of the World Aquaculture Society* 23:77-82.
- Weirich, CR, JR Tomasso & TIJ Smith. 1992. Confinement and transport-induced stress in white bass X striped bass hybrids: effect of calcium and salinity. *Journal of the World Aquaculture Society* 23:49-57.
- Tomasso, JR & GJ Carmichael. 1991. Differential resistance to nitrite among strains and strain crosses of channel catfish. *Journal of Aquatic Animal Health* 3:51-54.
- Weirich, CR & JR Tomasso. 1991. Confinement and transport-induced stress in red drum juveniles: effect of salinity. *Progressive Fish-Culturist* 53:146-149.
- Davis, S, TE Schwedler, JR Tomasso & JA Collier. 1991. Production characteristics of pan-size channel catfish in cages and open ponds. *Journal of the World Aquaculture Society* 22:183-186.
- Tomasso, JR, DJ Wise & CR Weirich. 1990. A removable biofiltration system for use in hatchery troughs. *Progressive Fish-Culturist* 52:59-61.
- Schwedler, TE, JR Tomasso & JA Collier. 1989. Production characteristics and size variability of channel catfish reared in cages and open ponds. *Journal of the World Aquaculture Society* 20:158-161.

- Wise, DJ & JR Tomasso. 1989. Acute toxicity of nitrite to red drum: effect of salinity. *Journal of the World Aquaculture Society* 20:193-198.
- Wise, DJ, CR Weirich & JR Tomasso. 1989. Toxicity of ammonia to red drum with information on uptake and depuration. *Journal of the World Aquaculture Society* 20:188-192.
- Carmichael, GJ, JH Williamson, CA Caldwell & JR Tomasso. 1988. Responses of northern, Florida, and hybrid largemouth bass to low temperature and low dissolved oxygen. *Progressive Fish-Culturist* 225-231.
- Wise, DJ, JR Tomasso & TM Brandt. 1988. Ascorbic acid inhibition of nitrite-induced methemoglobinemia in channel catfish. *Progressive Fish-Culturist* 50:77-80.
- Tomasso, JR & GJ Carmichael. 1988. Handling and transport-induced stress in red drum fingerlings. *Contributions in Marine Science* 30(Supplement):133-137.
- Carmichael, GJ & JR Tomasso. 1988. Survey of fish transportation equipment and techniques. *Progressive Fish-Culturist* 50:155-159.
- Mazik, PM, TM Brandt & JR Tomasso, 1987. Effects of dietary vitamin C on growth, fin development and tolerance to aquaculture related stressors in channel catfish. *Progressive Fish-Culturist* 49:13-16.
- Urrutia, M & JR Tomasso. 1987. Acclimation of channel catfish to environmental nitrite. *Journal of the World Aquaculture Society* 18:175-179.
- Tomasso, JR & GJ Carmichael. 1986. Acute toxicity of ammonia, nitrite and nitrate to the Guadalupe bass. *Bulletin of Environmental Contamination and Toxicology* 36:866-870.
- Tomasso, JR. 1986. Comparative toxicity of nitrite to warmwater fishes. *Aquatic Toxicology* 8:129-137.
- Caldwell, CA & JR Tomasso. 1985. Stocking and handling-induced stress in red drum fingerlings. *Proceedings of the Annual Conference Southeastern Association of Fish and Wildlife Agencies* 39:238-247.
- Gutzmer, MP & JR Tomasso. 1985. Nitrite toxicity to the red swamp crayfish. *Bulletin of Environmental Contamination and Toxicology* 34:369-376.
- Carmichael, GJ & JR Tomasso. 1984. Swim bladder stress syndrome in largemouth bass. *Texas Journal of Science* 35:315-332.
- Carmichael, GJ, JR Tomasso, BA Simco & KB Davis. 1984. Confinement and water quality-induced stress in largemouth bass. *Transactions of the American Fisheries Society* 113:767-777.
- Carmichael, GJ, JR Tomasso, BA Simco & KB Davis. 1984. Characterization and alleviation of stress associated with hauling largemouth bass. *Transactions of the American Fisheries Society* 113:778-785.
- Palachek, RA & JR Tomasso. 1984. Nitrite toxicity to the fathead minnow: effect of fish weight. *Bulletin of Environmental Contamination and Toxicology* 32:238-242.
- Palachek, RA & JR Tomasso. 1984. Toxicity of nitrite to channel catfish, largemouth bass and tilapia: evidence for a nitrite exclusion mechanism. *Canadian Journal of Fisheries and Aquatic Sciences* 41:1739-1744.
- Carmichael, GJ & JR Tomasso. 1983. Use of formalin to separate tadpoles from largemouth bass fingerlings. *Progressive Fish-Culturist* 45:105-106.
- Tomasso, JR, KB Davis & BA Simco. 1983. Plasma corticosteroid and leucocyte dynamics in channel catfish during net confinement. *Texas Journal of Science* 35:83-88.
- Tomasso, JR & GG Murphy. 1983. Effects of aldrin and heptachlor on survival and fin regeneration in the pugnose shiner. *Journal of the Tennessee Academy of Science* 58:14-16.
- Tomasso, JR, KB Davis & NC Parker. 1981. Plasma corticosteroid dynamics in channel catfish during and after oxygen depletion. *Journal of Fish Biology* 17:519-526.
- Tomasso, JR, KB Davis & BA Simco. 1981. Plasma corticosteroid dynamics in channel catfish exposed to ammonia and nitrite. *Canadian Journal of Fisheries and Aquatic Sciences* 38:1106-1112.
- Tomasso, JR, MI Wright, BA Simco & KB Davis. 1980. Inhibition of nitrite-induced toxicity in channel catfish by calcium chloride and sodium chloride. *Progressive Fish-Culturist* 42:144-146.
- Tomasso, JR, CA Goudie, BA Simco & KB Davis. 1980. Effects of environmental pH and calcium on ammonia toxicity in channel catfish. *Transactions of the American Fisheries Society* 109: 229-234.

Tomasso, JR, KB Davis & NC Parker. 1980. Plasma corticosteroid and electrolyte dynamics in hybrid striped bass during netting and hauling. Proceedings of the World Mariculture Society 11:303-310.

Tomasso, JR, BA Simco & KB Davis. 1979. Inhibition of ammonia and nitrite toxicity to channel catfish. Proceedings of the Annual Conference Southeastern Association of Fish and Wildlife Agencies 33:600-605.

Tomasso, JR, BA Simco & KB Davis. 1979. Chloride inhibition of nitrite-induced methemoglobinemia in channel catfish. Journal of the Fisheries Research Board of Canada 36:1141-1144.

Non-refereed articles

Tomasso, JR. 2001. Laboratory series: Mora National Fish Hatchery & Technology Center. World Aquaculture 32(3): 58-59.

Tomasso, JR. 2000. Letter: Political advocacy and WAS. World Aquaculture 31(4):4.

Tomasso, JR. 1999. President's column: Final report and thank you. World Aquaculture 30(1):3.

Tomasso, JR & M New. 1999. Guest column: Aquaculture and global fisheries production. Fisheries 24(5):32.

Tomasso, JR. 1998. President's column: Election results and the year ahead. World Aquaculture 29(1):3.

Tomasso, JR. 1998. President's column: The WAS publishing program. World Aquaculture 29(2):3.

Tomasso, JR. 1998. President's column: Political advocacy and WAS. World Aquaculture 29(3):3.

Tomasso, JR. 1998. President's column: Mid-year report. World Aquaculture 29(4):3.

Tomasso, JR. 1995. Book review: Health Maintenance of Cultured Fishes (JA Plumb, CRC Press) Journal of Aquatic Animal Health 7:184.

Tomasso, JR. 1995. Environmental requirements of aquaculture animals: a conceptual summary. World Aquaculture 27(2):27-31.

Tomasso, JR. 1994. Conference review: International Symposium on Aquatic Animal Health. World Aquaculture 25(3):87.

Tomasso, JR. 1993. Letter: Political advocacy and professional societies. Fisheries 18(10):52.

Abstracts

Not recorded

Reports

Not recorded

Book reviews

See non-refereed section

Other

None

B. Works not in print

Not recorded

C. Grants & Contracts

Funded external grants & contracts (# denotes lead investigator)

2001-2006	SC Dept of Natural Resources # Survival and growth of marine shrimp in low-ion environments (with C Browdy)	\$100,300
2002-2005	Copper Development Association Studies on the environmental impact of runoff from copper roofs (with S Klaine)	\$85,290
2001-2005	NOAA- National Marine Aquaculture Initiative (Subcontract of SCSGC R/MA-4) # Environmental requirements for the culture of cobia (with TIJ Smith)	\$28,643
2002-2004	SC Dept of Natural Resources # Blood chemistries of striped bass before and after holding in "tuna tubes" (with J Bettinger)	\$5,000
2001-2003	NOAA-National Marine Aquaculture Initiative (SCSGC R/MA-2) # Environmental requirements for the culture of black sea bass	\$85,413
2002	Copper Development Association Characterization of water chemistry after addition of sea salts (with S Klaine)	\$10,000
2000-2002	SC Dept Health & Environmental Control, 319 Program Effect of water quality on toxicity of copper to fathead minnows (with S Klaine)	\$149,796
2000-2002	SC Sea Grant Consortium (Subcontract of Project R/A-31) # Environmental requirements of southern flounder (with TIJ Smith)	\$10,000
1999-2000	SC Dept of Health & Environmental Control Effect of hardness on toxicity of copper to fathead minnows (with S Klaine)	\$40,000
1998-2000	SC Sea Grant Consortium (Subcontract of Project R/A-28) # Temperature tolerance of southern flounder (with TIJ Smith)	\$7,000
1998-1999	US Environmental Protection Agency, NERL/ERD Athens (PO 8L-0646-NTEX) # Literature review and synthesis of environmental effects on fishes	\$24,000
1997-1999	US Dept of Agriculture, National Research Initiative-seed grant (97-35208-4684) # Physiology of ammonia toxicity in channel catfish (with BA Barton)	\$49,949
1997-1999	US Fish & Wildlife Service Toxicity of nitrite to shortnose sturgeon (with JJ Isely)	\$17,000
1996-1997	SC Dept of Natural Resources Angling-induced stress in red drum (with TIJ Smith & JJ Isely)	\$7,000
1996-1997	US Army Corps of Engineers (MIPR PD-E-96-39) Population estimate of blueback herring in Thurmond Reservoir (with JJ Isely)	\$143,889
1995-1997	National Sea Grant College Program (SCSGC R/A-29) # Optimal production environments for red drum	\$49,813
1995-1996	US Army Corps of Engineers (MIPR W81EWF50681907) Population estimate of blueback herring in Thurmond Reservoir (with JJ Isely)	\$123,650
1993-1996	US Dept of Agriculture, Capacity Building Grant Program (Subcontract of 93-38814-8707) Temperature and growth in white river crayfish (with AG Eversole & BR Petrosky)	\$40,000
1984-1995	Nine additional grants & contracts	\$255,724

Submitted but not funded external grants & contracts

Not recorded

Funded internal grants & contracts

Not recorded

Submitted but not funded grants & contracts

Not recorded

D. Fellowships, awards, honors

None

IV. SERVICE**University**

None

Departmental

Chair

Community

None

Professional

Associate Editor	<i>Aquaculture Research</i>	2000-present
Member	Planning Committees: World Aquaculture Society Conferences (San Diego, Las Vegas, Nice, Orlando, Honolulu, Florence & San Antonio)	1992-2007
Coordinator	Aquatic Animal Research Laboratory Clemson University	1996-2006
Member	USDA, Agricultural Research Service - aquaculture programs Program review panel (OSQR NP 106)	2004
Member	Committee to Develop "Guidelines for the Use of Fishes in Research" (Published by the American Fisheries Society, 2004)	2000-2004
President	World Aquaculture Society	1998-1999
Member	National Sea Grant College Program, Marine Biotechnology, Proposal review panel	1997
Treasurer	World Aquaculture Society	1995-1996
Director	World Aquaculture Society	1994-1995
Associate Editor	<i>North American Journal of Aquaculture</i>	1988-1991
Associate Editor	<i>Proceedings of the Annual Conference Southeastern Association of Fish & Wildlife Agencies</i>	1987-1989
President	Texas Chapter, American Fisheries Society	1986-1987

Organizations**Honorary**

None

Professional

American Association for the Advancement of Science

American Institute of Biological Sciences

Society of Environmental Toxicology & Chemistry

World Aquaculture Society