Date: August 14, 2023

Vita
Matthew R. McClure, Ph.D.

Professor of Biology, TSUS Regents' Teacher, Science Department Chair
Academic Studies Division
Lamar State College Orange
410 Front Street
Orange, Texas 77630
Office Phone: (409) 882-3304
E-mail address: matt.mcclure@lsco.edu

Education

B.S., Oceanographic Technology: Marine Biology, 1988, Lamar University, Beaumont, Texas

M.S., Zoology, 1990, Texas A&M University, College Station, Texas

Ph.D., Zoology, 1994, Texas A&M University, College Station, Texas

Honors and Awards

Academic Awards – LSCO

Professional Excellence Award (2000, 2002, 2007, 2014, 2021, 2023)
Faculty Incentive Award (2005, 2006, 2008, 2012, 2013, 2014)
President's Faculty Service Award (2012)
Campus nominee to Minnie Stevens Piper Award (1998, 2006, 2012)
Award in Excellence in Distance Education (2011)
Teaching Excellence Award (1997, 2005)
Excellence in Teaching Award (1997, 1999)

Other Awards

2020 Texas State University System Regents' Teacher Award
2018 National Institute for Staff and Organizational Development (NISOD) Excellence Award

Association Memberships

North American Invasive Species Management Association (NAISMS)
Texas Community College Teachers Association (TCCTA)
Human Anatomy & Physiology Society (HAPS)

Professional Experience

Academic Experience

Lamar State College Orange (LSCO), Orange Texas, August 1994-present.
Professor of Biology, August 2007 - present.
Program Director of Science, January 2022 – present.
Teach lectures and laboratories; Served on committees and participated in curriculum development.

Lamar University - Beaumont, Beaumont Texas, June – August 1995.
Adjunct Instructor, Department of Biology
Taught Anatomy & Physiology lecture.

Blinn College, Bryan, Texas, Summers 1992 and 1993.
Instructor Part-time, Department of Biology
Taught lectures and labs in Majors Biology and Zoology.

Texas A&M University, Department of Biology, College Station, Texas
Graduate Teaching Assistant, Part-time, August 1988 - August 1994.
Taught undergraduate and graduate laboratory courses in Biology.

Ad Hoc Manuscript and Book Reviews

Manuscript Peer Reviews for the following scientific journals: *Zootaxa* (2006 to present), *Bioinvasions Records* (2022), *Journal of Crustacean Biology* (2000, 2008, 2017), *Southeastern Naturalist* (2007), *Hydrobiologia* (1994).

Textbook Reviews: *Campbell Biology Concepts and Connections* (2018).
A Photographic Atlas for the Biology Laboratory 7th Edition, by Van de Graaff, Adams and Crawley (2013).
Inquiry into Life 9th Edition, by S. Mader (1996).

Participating Researcher for the TSUS Texas Invasive Species Institute (TISI), www.tsusinvasives.org.

Research Interests

Research interests involve taxonomy and systematic biology, biogeography, population genetics, ecology, and behavior of marine animals, with an emphasis on crustaceans and mollusks, and on the biomonitoring of invasive species of Texas.

Current Research

Statewide monitoring of the occurrence and spread of several invertebrate species, including the Black Velvet Leatherleaf Slug (*Belocaulus angustipes*), the New Guinea Flatworm (*Platydemus manokwari*), and the Red Rim Melania Snail (*Melanoides tuberculata*), in collaboration with Autumn Smith-Herron and Ashley Morgan-Olvera at Sam Houston State University and the Texas Invasive Species Institute (TISI) and USDA-APHIS. The project also includes studying the occurrence of parasites they may

carry, including Rat Lungworm (*Angiostrongylus cantonensis*), and on creating community outreach to promote awareness of the invasive species problem.

Northern Gulf of Mexico Invasive Species Forecasting Project in collaboration with Kathryn O'Shaughnessy & Monica McGarrity (Texas Parks and Wildlife) and Wes Daniel (USGS). My role is to assess the invasiveness of 20 marine decapod crustaceans and 10 marine gastropod mollusks (Summer-Fall 2020).

Teaching Experience

LSCO: BIOL 1306/1106 Biology for Science Majors I, BIOL 1307/1107 Biology for Science Majors II, BIOL 1308/1108 Biology for Nonscience Majors I, BIOL 1309/1109 Biology for Nonscience Majors II, BIOL 2301/2101 Anatomy & Physiology I, BIOL 2302/2102 Anatomy & Physiology II, BIOL 2306/2106 Environmental Biology, BIOL 1322 Nutrition, FORS 2140 Forensic Science Laboratory, GEOL 1303/1103 Physical Geology, GEOL 1304/1104 Historical Geology, EPCT 1491 Water Environments, HALT 1313 Economic Entomology, PHED 1304 Health & Wellness.

Lamar University – Beaumont: BIOL 2402 Anatomy & Physiology II

Texas A&M University – College Station (Laboratories only): BIOL 123 Introductory Biology I Lab, BIOL 124 Introductory Biology II Lab, BIOL 335 Invertebrate Zoology Lab, ZOOL 665 Biology of the Invertebrates Lab, BIOL 319 Anatomy & Physiology I Lab, BIOL 357 Ecology Lab.

Blinn College – Bryan: BIOL 1413 Zoology, BIOL 1407 General Biology II.

Selected Professional Presentations

23rd Annual Statewide Texas Master Naturalist Meeting, Houston TX, October 20-22, 2022. "More Nature of Naming" and "Friends Don't Let Friends Spread Invasive Species".

18th Annual Statewide Texas Master Naturalist Meeting, Corpus Christi, Texas, October 19-22, 2017. "More Nature of Naming" and "Texas Coastal Ecology".

Senior Biology Seminar, Harding University, Searcy, Arkansas, November 14th, 2014. "Oh Snap: Adventures in Alpha Taxonomy of Snapping Shrimp".

13th Annual Statewide Texas Master Naturalist Meeting, Navasota, Texas, October 26-28, 2012, "Nature of Naming", and "Texas Coastal Ecology"

The Crustacean Society, Galveston, Texas, June 9-13, 2008. "Application of a Crayfish Marking Method on Snapping Shrimp".

Selected Publications

O'Shaughnessy, K. A., L. Vilizzi, W. Daniel, M.E. McGarrity, H. Bauer, L. Hartman, S. Geiger, P. Sammarco, S. Kolian, M.R. McClure, M. Norberg, A. Fogg, T. J. Lyons, J. Procopio, L. Bantista, W. Bennet, M. Wicksten, J. Dutton, D. Reeves, J. Anderson-Lively, J. Brenner, J. Goy, A. Morgan-Olvera, S. Porter, E. Robinson, A.L.E. Yunnie, and G.H. Copp. 2023. Horizon scanning for potentially invasive non-native marine species to inform trans-boundary conservation management – example of the northern Gulf of Mexico. Aquatic Invasions 18(4):415-453.

Merchant, M. & M.R. McClure, 2022. Phenoloxidase and Melanization Innate Immune Activities in Green Darner Dragonfly Nymphs (*Anax junius*). Advances in Biological Chemistry 2022 (12):130-141.

McClure, M.R. 2020. Novel Introduction for the invasive Red-Rim Melania *Melanoides tuberculata* (Müller) in southeastern Texas. The Southwestern Naturalist.

Rector, B.S. & M.R. McClure. 2015. The Nature of Naming. Unit 10, pp. 351-363 In The Texas Master Naturalist Statewide Curriculum, 2nd Edition, M.M. Haggerty & M. P. Meuth, Eds. Texas A&M University Press, College Station (released August 25, 2016).

McClure, M.R. & C.L. Dando 2014. Undergraduate research with students at a two-year commuter college. Chapter 5, pp. 36-40 in: Tapping the potential of all: Undergraduate research at community colleges. N.H. Hensel & B. D. Cjeda, Eds. The Council on Undergraduate Research, Washington, D.C.

Wicksten, M.K. & M.R. McClure 2007. Snapping Shrimp (Decapoda: Caridea: Alpheidae) from the Dampier Archipelago Expedition, Western Australia. Pp. 61-83 In: Marine Biodiversity of the Dampier Archipelago, Western Australia 1998-2002. Records of the Australian Museum, Supplement No. 73, Diana S. Jones Ed. (copyright 2007, published Aug. 2008).

McClure, M.R. 2005. Snapping Shrimps, pp. 119-201 In: Camarones, Langostas y Cangrejos de la Costa Este de Mexico, Volumen I (Shrimps, Lobsters, and Crabs of the East Coast of Mexico, Volume I) J. L. Hernandez-Aguilera, J. A. Ruiz-Nuno, R.E. Toral-Almazan, and V. Arenas-Fuentes (Eds.). Estudio y Conservacion de la Naturaleza, A.C. Mexico, D.F.

Wicksten, M.K. & M.R. McClure 2003. A new species of *Alpheus* (Crustacea: Alpheidae) from the Gulf of Mexico. Crustacean Research 32:26-31.