**CURRICULUM VITAE**

January, 2016

***STAMATIS (STAM) MICHAEL ZERVANOS***

**Teaching and Research Interests:**

Teaching: Biodiversity (Biol. 110), Ecology (Biol.220), Comparative Animal Physiology (Biol. 240), Mammalian Physiology (Biol. 472), Evolution (Biol. 427) and Research (Biol. 296 and 496).

Research: Physiological ecology emphasizing thermoregulation, hibernation, water relations, energetics, and biological rhythms.

**Education:**

Arizona State University, 1969-1972; Ph.D. in Zoology

Pennsylvania State University, 1965-1969; M.S. in Biology

Albright College, 1961-1965; B.S. in Biology

**Positions Held:**

2006 – Present: Emeritus Professor of Biology, Penn State University

1993 – 2006: Professor of Biology, Dept. of Biology, Penn State University, Berks. (Science Division Head 2004 – 2006)

1981 – 1993: Director of Academic Affairs/Associate Professor of Biology, Berks Campus, Penn State University. Administrative Responsibilities: Chief academic officer; faculty development and evaluation; academic budget management and development; coordination and development of academic programs; development, application, and management of external academic funding sources; administer to University academic policies.

1972 – 1981: Associate Professor of Biology/Dept. of Biology (Assoc. Prof. Rank Achieved in 1977, Tenured in 1979) Berks Campus Penn State University.

1969 – 1972: Teaching Assistant in Zoology and Physiology, Dept. of Zoology, Arizona State University.

1968 – 1969: Teaching Assistant in Zoology and Animal Behavior, Dept. of Biology, Penn State University.

1967 – 1968: Instructor in Anatomy and Physiology, Penn State University, Altoona Campus.

1965 – 1967: Research Assistant for Dr. David E. Davis on Woodchuck Hibernation, Dept. of Biology, Penn State University

**Publications:**

Zervanos, S. M. and D. E. Davis, 1968. Perception of red light by wood rats (Neotoma floridana). Journal of Mammalogy, 49 (4): 759.

Zervanos, S. M., 1969. Effects of varied photoperiod on the daily activity pattern of the Allegheny Wood Rat (Neotoma floridana). Mammalia, 33 (3): 509-515.

Zervanos, S. M. and R. E. Henshaw, 1970. Graded effects of acclimation temperature on thermogenesis in "winter" captured bats (Myotis lucifugus). Journal of the Pennsylvania Academy of Science, 44: 207-211.

Zervanos, S. M. and N. F. Hadley, 1973. Adaptational biology and energy relationships of the collared peccary (Tayassu tajacu). Ecology, 54 (4): 759-774.

Zervanos, S. M., 1975. Seasonal effects of temperature on the respiratory metabolism of the collared peccary (Tayassu tajacu). Comparative Biochemistry & Physiology, 50 (A): 365-371.

Zervanos, S. M. and J. L. Day, 1977. Water and energy requirements of captive and free-living collared peccaries (Tayassu tajacu). Journal of Wildlife Management, 41: 527-532.

Stuart, J. L. and S. M. Zervanos, 1976. Heat-flux temperature transmitter for mammalian energy flow studies. In: Proceedings of the Third Annual Symposium on Bio-telemetry, Academic Press, New York, 199-202.

Zervanos, S. M. and R. R. Keiper, 1979. Factors influencing home range, movement patterns, and habitat utilization in Assateague Island feral ponies. Proceedings of Ecology and Behavior of Feral Equids Symposium, University of Wyoming. (pp. 3-14)

Zervanos, S. M. and J. A. Kauffman, 1981. Water and salt balance of free-ranging ponies on Assateague Island. Journal of the Pennsylvania Academy of Science, 55 (1): 35-36.

Zervanos, S. M. W. D. McCort and H. B. Graves, 1983. Salt and water balance of feral versus domestic Hampshire hogs. Physiological Zoology, 56 (1): 67-77.

Krauss, G. D., H. B. Graves, and S. M. Zervanos, 1987. Survival of wild and game-farm cock pheasants released in Pennsylvania. Journal of Wildlife Management, 51 (3): 555-559.

Zervanos, S. M. and S. Naveh, 1988. Renal structural flexibility in response to environmental water stress in feral hogs. Journal of Experimental Zoology. 247: 285-288.

Zervanos, S. M. and R. R. Keiper, 1998. Forage utilization and resource partitioning by Assateague Island feral ponies. Journal of the Pennsylvania Academy of Science, 72 (1):11-16.

Zervanos, S. M. and C. M. Salsbury, 2001. Telemetry system for the continuous monitoring of temperature, location and activity of free-ranging animals. Bulletin of the Ecological Society of America, 82 (3):189 – 191.

Zervanos, S. M., 2002. Renal structural adaptations among the three species of peccary. The Southwest Naturalist, 47 (4): 527 - 531.

Zervanos, S. M. and C. M. Salsbury, 2003. Seasonal body temperature fluctuations and energetic strategies in free-ranging eastern woodchucks (Marmota monax). Journal of Mammalogy, 84 (1): 299 - 310.

Zervanos, S. M. and J. S. McLaughlin, 2003. Teaching biodiversity and evolution through travel course experiences. American Biology Teacher, 65 (9): 658 – 663.

Zervanos S. M. 2003. Timing of hibernation immergence and emergence in woodchucks (Marmota monax). Pp. 157 – 164 in R. Ramousse, D.Allaine, M. LeBerre eds. Adaptive strategies and diversity in marmots. Proceedings of the 4th International Conference on the Genus Marmota, Montreux, Switzerland. International Network on Marmots (http://www.cons-dev.org/marm/MARM/EMARM/framarm/framarm.html).

Zervanos, S. M., C. M. Salsbury, and J. K. Brown. (2009). Maintenance of biological rhythms during hibernation in eastern woodchucks (Marmota monax). Journal of Comparative Physiology B, 179(4): 411 – 418.

Zervanos, S. M., C. R. Maher, J. A. Waldvogel. and G. A. Florant. (2010). Latitudinal differences in the hibernation characteristics of woodchucks (Marmota monax). Physiological and Biochemical Zoology 83(1): 135 – 142.

Fenn, A. M., S. M. Zervanos, S. M., and G. A. Florant (2009). Energetic relationships between field and laboratory woodchucks (Marmota monax) along a latitudinal gradient. Ethology Ecology and Evolution 21:299-315.

Zervanos SM, Maher CR, Waldvogel JA, Florant GL. 2010. Latitudinal differences in the hibernation characteristics of woodchucks (Marmota monax). Physiological and Biochemical Zoology 83 (1):135-131.

Zervanos, S. M., C. R. Maher, and G. A. Florant. (2013). Effect of Body Mass on Hibernation Strategies of Woodchucks (Marmota monax). Integrative and Comparative Biology 54, 443-451.

**Major Reports to Sponsors:**

Zervanos, S. M., 1978. Summer determination of activity patterns of Assateague ponies by means of long-range telemetry. Report to National Park Service, P. O. #PX2008D045, Denver, 24 p.

Zervanos, S. M. and R. R. Keiper, 1979. Winter activity patterns and carrying capacities of Assateague Island feral ponies. Report to National Park Service, P. O. #PX2008DO45, Denver, 21 p.

Zervanos, S. M. and R. R. Keiper, 1979. Ecological impact and carrying capacity of feral ponies on Assateague Island National Seashore. Final contract report to National Park Service, Mid-Atlantic Region, Philadelphia, 52 p.

Zervanos, S. M. and R. R. Keiper, 1989. Effects of simulated grazing on beach and marsh grasses of Assateague Island National Seashore. Report to National Park Service, #N-68/N-0001, Mid-Atlantic Region, Philadelphia, 11 p.

Zervanos, S. M., 1994. Developing a strategic plan for the management, monitoring and study of vegetation of Assateague Island National Park. Report to National Park Service, #4000-9-8004/32, Mid-Atlantic Region, Philadelphia, 44 p.

**Papers Presented:**

Zervanos, S. M. and R. E. Henshaw. Graded effects of acclimation temperature on thermogenesis in "winter" captured bats (Myotis lucifugus). Presented at the Penna. Acad. Sc. Hibernation Symposium, April 11, 1970.

Henshaw, R. E., B. A. Henshaw, L. S. Underwood, and S. M. Zervanos. Energetic efficiency of large arctic terrestrial mammals due to peripheral thermoregulation. Presented at AAAS, Alaska Science Conference, August 17, 1971.

Zervanos, S. M. and N. F. Hadley. Seasonal variation in energy exchange in the collared peccary (Tayassu tajacu). Presented at AAAS Annual Meeting, Philadelphia, PA., December 28, 1971.

Zervanos, S. M. Thermoregulation and energy exchange of the collared peccary (Tayassu tajacu). Presented at Regional Meeting of Arizona and New Mexico Chapters of Amer. Wildlife Soc., February 5, 1972.

Zervanos, S. M. Adaptive flexibility of desert mammals. Presented at AIBS Meeting, Arizona State Univ., Tempe, Arizona, June 17, 1974.

Zervanos, S. M. Summer-winter water and energy requirements of free-living collared peccaries. Presented at AIBS Meeting, New Orleans, May 31, 1976.

Stuart, J. L. and S. M. Zervanos. Heat-flux temperature transmitter for mammalian energy flow studies. Presented at Third Annual Symposium of Bio-telemetry, Monterey, CA, May 1976.

Zervanos, S. M. and R. R. Keiper. Factors influencing home range, movement patterns, and habitat utilization in Assateague Island feral ponies. Presented at the Ecology and Behavior of Feral Equids Symposium, University of Wyoming, September 6, 1979.

Keiper, R. R., M. B. Moss and S. M. Zervanos. Daily and seasonal activity patterns of feral ponies on Assateague Island. Presented at the conference on Scientific Research in National Parks. San Francisco, CA, November, 1979.

Zervanos, S. M., W. D. McCort and H. B. Graves. Salt and water balance of feral swine. Presented at A.S.Z. Annual Meeting, Tampa, FA, December 30, 1979.

Zervanos, S. M. Relative renal medullary thickness of three species of Peccary. Presented at Peccary Workshop, University of Arizona, Tucson, AZ, May 7, 1985.

Zervanos, S. M., and R. R. Keiper. Effects of simulated grazing on beach and marsh grasses of Assateague Island. Presented at Assateague Island Science Conference, Ocean City, MD, October 28, 1991.

Zervanos, S. M. and R. R. Keiper, 1998. Forage utilization and resource partitioning by Assateague Island feral ponies. Presented at the Pennsylvania Academy of Science Annual Meeting, Monroeville, PA, April 4, 1998.

Zervanos, S. M. and C. M. Salsbury. Continuous monitoring of temperature, location and activity of free-ranging animals. Presented at the Animal Behavior Society Annual Meeting, Bucknell University, Lewisburg, PA, June 28, 1999.

Zervanos, S. M. and C. M. Salsbury. Continuous body temperature monitoring of free-ranging woodchucks (Marmota monax). Presented at the American Society of Mammalogists Annual Meeting, University of New Hampshire, Durham, NH, June 20, 2000.

Salsbury, C. M. and S. M. Zervanos. Sex differences in hibernation patterns of free-ranging eastern woodchucks, (Marmota monax). Presented at the American Society of Mammalogists Annual Meeting, University of Montana, Missoula, MT, June 17, 2001.

Zervanos, S. M. and C. M. Salsbury. Summer estivation in free-ranging woodchucks (Marmota monax) under environmental stress. Presented at the American Society of Mammalogists Annual Meeting, University of Montana, Missoula, MT, June 17, 2001.

Zervanos, S. M.,. Timing of hibernation immergence and emergence in woodchucks (Marmota monax). Fourth International Conference on the Genus Marmota. Montreux, Switzerland. September, 2003

Zervanos, S. M. Biological rhythms during hibernation in eastern woodchucks (Marmota monax). Presented at the Life in the Cold Symposium, Alaska, July 2004.

Zervanos, S. M. Biological rhythms during hibernation in free-ranging woodchucks (Marmota monax). Presented at the American Society of Mammalogists Annual Meeting, Southwest Missouri State University, Springfield, MO, June 20, 2005.

Zervanos, S. M., C. R. Maher, and J. A. Waldvogel. Latitudinal differences in hibernation patterns of Eastern woodchucks (Marmota monax) Presented at the American Society of Mammalogists Annual Meeting, University of New Mexico, Albuquerque NM. June 2007.

Zervanos, S. M., G. A. Florant, C. R. Maher, and J. A. Waldvogel. Environmental effects on the hibernation patterns of woodchucks (Marmota monax): A latitudinal study. Presented at the American Society of Mammalogists Annual Meeting, South Dakota State University. June 2008.

Zervanos, S. M., G. A. Florant, J. K. Brown, and A.M. Fenn. Environmental influences on the hibernation patterns of Eastern woodchucks (Marmota monax). Sixth International Conference on the Genus Marmota. Cogne, Italy, September, 2008