

CURRICULUM VITAE
OF
Kim Marie Tolson, Ph.D.

CURRENT POSITION: Associate Professor of Biology
Coordinator of Biology Graduate Studies
The University of Louisiana at Monroe
Monroe, LA 71209-0520
(318)342-1805 office (318)342-3312 fax
tolson@ulm.edu

EDUCATION

Ph.D. in Pharmacology/Toxicology (August 1988)
Northeast Louisiana University Monroe, LA

B.S. in Wildlife Biology, *summa cum laude* (November 1979)
Louisiana Tech University Ruston, LA

PROFESSIONAL EXPERIENCE

1994- Associate Professor (Graduate faculty with tenure)
Department of Biology
The University of Louisiana at Monroe
**Jan. 1996 to May 1997 held a dual appointment with the School of Pharmacy and the
Department of Biology

1998- Adjunct Clinical Associate Professor
College of Dentistry
University of Oklahoma, Oklahoma City, OK

1998-2000 Interim Head, Department of Biology
The University of Louisiana at Monroe

1988-1994 Assistant Professor of Biology (Graduate faculty)
Department of Biology
University of Louisiana at Monroe

HONORS AND AWARDS

J.C. Penney Golden Rule Award Nominee, 1998
Pillar of the Greek Community, NLU, 1998
Who's Who Among America's Teachers, 1998
Sigma Xi, Full Member, 1997
Jaycee Outstanding Young Educator-College Division, 1996
Mortar Board Faculty Mentor, 1996
Outstanding Faculty Member, Panhellenic Council, 1994
Outstanding Teacher, College of P&AS, Alumni Association, 1994-1995
Honorary Coach, NLU Football Team, 1992, 1993, 1994, 1998
RHA Distinguished Faculty, College of P&AS, 1991, 1992
Kappa Delta Favorite Professor, 1991, 1992, 1993, 1994, 1995, 1996
Omicron Delta Kappa Outstanding Faculty, 1990
Alpha Lambda Delta Favorite Professor, 1990, 1991, 1996

MEMBERSHIPS

Association of Southeastern Biologists	Louisiana Association of Professional Biologists
The Wildlife Society	Louisiana Ornithological Society
Louisiana Academy of Sciences	Cooper Ornithological Society
Quality Deer Management Association	

COURSES TAUGHT

- *Zool 511 – Comparative Physiology
 - *Zool 473/474 – Game Mammals and Fur Bearers and Lab
 - *Zool 433/434 – Game Birds and Game Birds Lab
 - *Zool 432 – Ornithology Laboratory, Invited lecturer
 - *Zool 423/424 – Mammalogy and Mammalogy Laboratory
 - Zool 311/313 & 312/314 – Human Physiology and Human Physiology Labs
 - Zool 240 & 241 – Human Anatomy and Human Anatomy Lab
 - Zool 205 – Human Anatomy and Physiology
 - Zool 111/113 & 112/114 – Human Anatomy and Physiology and Labs
 - Zool 101 – Introductory Zoology
 - *Biol 507 – Graduate Seminar
 - Biol 121 – Introductory Biology Laboratory
 - Biol 101/102 & 110 – Biology for Non-Majors and Lab
 - Dhyg 423 – Dental Hygiene Seminar
 - *C&I 430 – Drug Abuse Education
 - *Phar 489 – Introductory Toxicology, Invited lecturer
 - Phar 411 – Pharmacology I (Molecular Pharmacology)
 - Phar 412 – Pharmacology II (Molecular Pharmacology)
 - Phar 280 – Principles of Pharmacology
 - Toxc 101 – Toxicology and the Environment, Invited lecturer
- *Graduate level courses

RESEARCH

- *Impact of silvicultural and hydrological practices on avian communities of bottomland hardwoods and associated habitats (also herpetofauna).
- *Biology and management of the white-tailed deer in Louisiana
- *Surveys for the presence of, and identification of types of malformations in amphibians.
- *Enzootic diseases and environmental toxin accumulation in selected vertebrate species and the potential impact these have on physiological systems.

GRANTS FUNDED

- “Biodiversity Studies of Bayou Macon and Boeuf WMA’s”, 2004-2006.
\$284,696 Louisiana Department of Wildlife and Fisheries
PI: Kim Marie Tolson Co-PI: John Carr
- “Avian and Herpetofaunal Surveys on Four Wildlife Management Areas in Northeast Louisiana”, 2003-2005.
\$233,855 Louisiana Department of Wildlife and Fisheries
PI: Kim Marie Tolson Co-PI: John Carr
- “Surveys for Malformed Amphibians on Upper Ouachita, D’Arbonne, and Black Bayou Lake National Wildlife Refuges”, 2000-2002.
\$10,000 U.S. Dept. of the Interior, Fish and Wildlife Service
PI: Kim Marie Tolson Co-PI: John Carr
- “Student Research and Broadening Access to Science/Pre-College Outreach Program”, 2000-2004.
\$1,500,000 Howard Hughes Medical Institute
PI: Frank Pezold Co-PI: Kim Marie Tolson, et al.
- “Reinforcing Our Traditional Strengths: Terrestrial Animal Ecology Equipment for Teaching and Research”, 1998-1999.
\$2,240 NLU Faculty Grants Program
Co-PI: Kim Marie Tolson Co-PI: Richard Buchholz

Grants Funded contd.

“Computer-Enhanced Human Anatomy and Physiology Instruction”, 1997-1998.

\$52,500 LEQSF

PI: Ann Findley

Co-PI: Kim Marie Tolson

Co-PI: Amy Ouchley

“PCR detection of *Mycobacterium leprae* in armadillo lymphatic tissue”, 1996.

\$3,510 NLU Faculty Grants Program

Co-PI: T. Yamashita

Co-PI: Kim Marie Tolson

“Accumulation of organochlorine pesticides in shorebirds overwintering in Latin America”, 1993-1994.

\$18,920 U.S. Fish and Wildlife Service

PI: Don White, USFWS

Co-PI: Kim Marie Tolson

“Instrumental Equipment for Undergraduate Anatomy and Physiology Laboratories”, 1990-1991.

\$47,000 LEQSF

PI: B.L. Ricks

Co-PI: Kim Marie Tolson

SERVICE

President-Elect, Association of Southeastern Biologists, 2005-2006

Session Moderator, ULM Student Research Symposium, April 2004, April 2005

Founding Member, Ark-La-Miss Wildlife Study Group, 2003

Vice-President, Association of Southeastern Biologists, 2003-2004

Judge, 2003 Research Symposium sponsored by the ULM Office of Graduate Studies & Research

Delta Sigma Phi fraternity, Faculty Advisor (1998-present)

Coordinator, Biology 313 laboratories (1997-1998, 2002-present)

Organizer/Coordinator, White-tailed Deer Management Seminar, NLU, August 1996

Ronald McDonald House, Executive Board Member (1995-1999); Volunteer (1999-present)

Director, Louisiana Region III Science and Engineering Fair (1992-1995)

Commissioner, Ouachita Parish Mosquito Abatement District (1992-1996)

Athenian Juror for IFC Council (1991 & 1995)

Beta Sigma Faculty Advisor (1993-1997)

Compass Club Faculty Advisor (1991-1994)

Pilot Club of the Twin Cities: Director, Vice-Pres., President-Elect, President (1990-2000)

Mortar Board Faculty Advisor (1989-1991)

Committees:

ULM Graduate Council (2004-present)

ULM Student Research Symposium Task Force (2004, 2005)

NCAA Scholarship Appeals Committee (2004-present)

Organizing Committee, ULM Graduate Student Recruitment Fair (2003)

Search Committee, ULM Vice-President for University Advancement (2002-2003)

ULM Rising to the Challenge, Team Member (2002)

ULM Safety Committee (2000-2004), ad hoc committee on Building Safety (2002)

ULM Faculty Athletic Council, Member (1995-present), Secretary (1997-present), Chair, Awards Subcommittee (1997-present)

Greater NLU Fund Drive Committee (1996, 1997, 1999)

NLU Alumni Association Faculty Awards Selection Committee, College of P&AS (1998)

SACS Principles and Philosophy of Accreditation Committee (1997-1999), Chair, ad hoc Committee (1997-1998)

NLU Wellness Committee (1992-1998)

NLU Environmental Health and Safety Committee (1993-1999)

Chair, NLU Teaching & Learning Resource Ctr Advisory Committee (1996-99), Member (94-99)

College of A&S Academic Appeals Committee (2002-2004)

College of P&AS Curriculum Committee (1997-1999)

College of P&AS ISEF Scientific Review Committee (1998-1992)

Committees: cont'd

Chair, Dept. of Biology Search Committee for Fisheries Biologist (2004-2005)
Chair, Dept. of Biology Search Committee for Plant Biologist (2003)
Dept. of Biology Search Committee for Department Head (2003)
Dept. of Biology Recruitment and Retention Committee (2003)
Dept. of Biology Safety Committee (2003-present)
*Chair, Dept. of Biology Graduate Studies Committee (2002-present)
Chair, Dept. of Biology Curriculum Committee (1997-2002)
Chair, Dept. of Biology ad hoc Search Committee for Anatomy and Physiology Position (1996)
Co-Chair, Dept. of Biology Steering Committee (1996-1997)
Chair, Dept. of Biology Undergraduate Studies Committee (1996-1997) *Revised
Dept. of Biology Promotion and Tenure Committee, Secretary (1994-1997)
Dept. of Biology ad hoc Search Committee for Microbiologist (1994)
Dept. of Biology ad hoc committee to revise introductory course sequence (1993)
Dept. of Biology Undergraduate Committee, Member (1990-1996), Chair (1995-1996)
Dept. of Biology Student Recruitment Committee (1988-1989)
Chair, Association of Southeastern Biologists (ASB) Enrichment Fund (2001-present)
ASB Executive Committee Member-at-Large (2000-2003)
ASB Place of Meeting Committee (1998-2004), Chair (2000 and 2003)
Chair, ASB Local Arrangements Committee, 59th Annual Meeting, April 1998 in Monroe, LA

Master's Committees: (current)

Chair:	Mike Baranski	Amanda Carroll
	Deanna Parker	Ben Oubre
	Jason Olszak	John Quinn
Member:	Mary Lazarus	Jerry Brunson
	Marcie Dixson	Jeremy Delcambre
	Stephanie Kovac	Sammy Yacoub

PROFESSIONAL DEVELOPMENT

ASB 66th Annual Meeting, UNA, Florence, AL, April 13-16, 2005
Louisiana Academy of Sciences Meeting, Grambling, LA, March 18, 2005
Southeast Deer Study Group, 28th Annual Meeting, Shepherdstown, WV, February 21-24, 2005

Louisiana Association of Professional Biologists Meeting, Lafayette, LA, August 19, 2004
ASB 65th Annual Meeting, Memphis, TN, April 14-17, 2004
Louisiana Academy of Sciences Meeting, McNeese State Univ, Lake Charles, LA, March 19, 2004
2nd Ark-La-Miss Wildlife Management Symposium, Ruston, LA, March 6, 2004—Organizing committee
Southeast Deer Study Group, 27th Annual Meeting, Lexington, KY, February 22-24, 2004
Louisiana Ornithological Society Annual Meeting, Monroe, LA, January 23-24, 2004

Big Thicket Science Conference, Beaumont, TX, October 2003
1st Ark-La-Miss Wildlife Management Symposium, Ruston, LA, August 2003 – Organizing Committee
ASB 64th Annual Meeting, Howard University, Washington, DC, April 2003 – Session Moderator

ASB Executive Committee Mid-Year Meeting, Birmingham, AL, September 2002
Louisiana Association of Professional Biologists Annual Meeting, Baton Rouge, LA, August 2002
ASB 63rd Annual Meeting, Boone, NC, April 2002

ASB Executive Committee Mid-Year Meeting, Birmingham, AL, September 2001
Malformed Amphibian Workshop, USFWS, Lafayette, LA, April 2001
ASB 62nd Annual Meeting, New Orleans, LA, April 2001
Southeast Deer Study Group, 24th Annual Meeting, St. Louis, MO, February 2001

Professional Development contd.

Wildlife Forensics Certificate Program, Advanced Wildlife Forensics Workshop, Mississippi State University, Starkville, MS, June 2000

ASB 61st Annual Meeting, Chattanooga, TN, April 2000

Southeast Deer Study Group, 23rd Annual Meeting, Wilmington, NC, February 2000

Wildlife Forensics Certificate Program, Intermediate Wildlife Forensics Workshop, Mississippi State University, Starkville, MS, June 1999

Southeast Deer Study Group, 22nd Annual Meeting, Fayetteville, AR, February 1999

Wildlife Forensics Certificate Program, Basic Wildlife Forensics Workshop, Mississippi State University, Starkville, MS, June 1998

ASB 59th Annual Meeting, Monroe, LA, April 1998

A Case-Based Methodology Workshop, Univ. of Miss. Medical Center, Jackson, MS, July 1997

ASB 58th Annual Meeting, Greenville, SC, April 1997

ASB 57th Annual Meeting, Statesboro, GA, April 1996

Professional Organization Development (POD) in Higher Education Conference, Cape Cod, MA, October, 1995

International Science and Engineering Fair, Hamilton, Ontario, Canada, May 1995

ASB 56th Annual Meeting, Knoxville, TN, April 1995

American Association for Higher Education (AAHE) Conference, Phoenix, AZ, January 1995

International Science and Engineering Fair, Birmingham, AL, May 1994

INVITED SPEAKER

Delhi Lions Club, Delhi, LA, February 8, 2005

Topic: White-tailed deer management strategies for the small land owner

QDMA Field Day: Aging, Nutrition and Breeding Date Determinations in White-tailed Deer, Idlewild Research Station, Clinton, LA, April 3, 2004

Title: Necropsy of white-tailed deer...gaining information for making management decisions

Louisiana Tech University, Forestry 314—Wildlife Habitat Evaluation and Management class May 3, 2004 and October 16, 2004

Lecture Topic: Management for trophy white-tails

Ark-La-Miss Wildlife Management Symposium—White-tailed Deer History, Biology and Management: Deer 101, Ruston, LA, August 2, 2003

Title: The How, Why and Where of Infrared Triggered Cameras

LSU School of Natural and Renewable Resources, Baton Rouge, LA, March 26, 2003

Title: Species Management vs. Ecosystem Management

Black Bayou Lake NWR Fall Celebration Keynote Speaker, October 17, 2002.

Title: Oh, Deer...

University of Oklahoma Health Sciences Center, Board Review for Allied Health, March 2002.

Topic: Anatomy & Physiology and Pharmacology—Case Based Studies

Dedication of the Donald Gene Rhodes Memorial Herbarium, Louisiana Tech University, Ruston, LA, October 27, 2001

Invited Speaker contd.

University of Oklahoma Health Sciences Center, Board Review for Allied Health, March 2000.
Topic: Anatomy & Physiology and Pharmacology—A Problem Based Approach

Delhi Lions Club, Delhi, LA, October 12, 1999.
Topic: The use of infra-red, sensor cameras to monitor deer activity

QDMA Short Course on Quality Deer Management, West Monroe, LA, September 18, 1999.
Title: Determination of the peak rut for white-tailed deer in Area 4

Anderson-Tully Timber Company, Vicksburg, MS, September 16 and September 23, 1999.
Topic: Preliminary results from a two-year, cooperative study between ULM and the LDWF on the breeding biology of white-tailed deer in northeast Louisiana

Delhi Lions Club, Delhi, LA, April 6, 1999.
Topic: Status of white-tailed deer in northeast Louisiana

University of Oklahoma Health Sciences Center, Board Review for Allied Health, March 1999.
Topic: Anatomy & Physiology and Pharmacology

Beta Sigma Biology Club, ULM, Monroe, LA, September 1998.
Title: Aging and Judging Trophy White-tailed Deer

University of Oklahoma, College of Dentistry, Continuing Education Program for Dentists and Dental Hygienists, June, 1998.
Title: Pharmacology in the Dental Office

University of Oklahoma Health Sciences Center, Seminar for faculty, March 1997.
Title: Teaching Allied Health Students to Use Their Critical Thinking Skills

NLU Chapter Phi Eta Sigma, Freshman Honor Society, Midterm Social, October, 1995.
Topic: Planning Your College Career

1995 LA/MS Societies for Medical Technology, Joint Annual Meeting, Monroe, LA, April, 1995.
Title: Hansen's Disease in Louisiana

TECHNICAL PUBLICATIONS

Tolson, K.M. "Breeding Date Research: Area 4". DMAP Newsletter, Volume 2, Issue 1, September 1999.

Tolson, Kim Marie and Shannon Anderson. "Just When is the Rut Around Here Anyway?". The Habitat, Volume 6, Number 2, Fall 1999.

PUBLICATIONS AND PRESENTATIONS

- Baranski, M.J. and K.M. Tolson (2005) A phenology study of two wildlife management areas in northeast Louisiana. (poster) Association of Southeastern Biologists, University of North Alabama, Florence, AL. Southeastern Biology, Vol. 52, No. 2.
- Carroll, A.D. and K.M. Tolson (2005) The effects of silvicultural and hydrological practices on breeding bird communities in northeast Louisiana. Association of Southeastern Biologists, University of North Alabama, Florence, AL, Southeastern Biology, Vol. 52, No. 2.
- Baranski, M.J. and K.M. Tolson (2004) A phenology study of two wildlife management areas in northeast Louisiana. Louisiana Association of Professional Biologists, Lafayette, LA.
- Baranski, Mike and K.M. Tolson (2004) An avian calendar of two wildlife management areas in northeast Louisiana. Louisiana Academy of Sciences, McNeese State University, Lake Charles, LA.
- White, Jeremy and K.M. Tolson. (2002) Deer Breeding Activity in Northwest and North-central Louisiana. Louisiana Association of Professional Biologists, Baton Rouge, LA.
- Tolson, Kim Marie (2001) Setting Seasons to Enhance Hunting on QDM lands. Southeast Deer Study Group Meeting, St. Louis, MO.
- Anderson, S.H. and K.M. Tolson (2001) Area 4 Reproductive Study of the White-tailed Deer. Louisiana Academy of Sciences, University of Louisiana at Monroe, Monroe, LA.
- Goleman, Wanda, K.M. Tolson and J. Gulick (1997) Characterization of hematopoietic cells in the bone marrow of the nine-banded armadillo. Association of Southeastern Biologists, Furman University, Greenville, SC. The ASB Bulletin, Vol. 44, No. 2.
- Ruid, David and Kim Marie Tolson (1997) Evaluation of the MJ600 Foothold trap in silt loam soils. Louisiana Academy of Sciences, LSU-A, Alexandria, LA.
- Blaylock, B.L., M. Abdul-Nasser Ally, S.M. McCarty, J.A. Knesel, K.M. Tolson, P.W. Ferguson, and H.M. Mehendale (1995) Suppression of cellular immune responses in BALB/c mice following oral exposure to permethrin. Bull. Environ. Contam. Toxicol. May, 54 (5): 768-74.
- Tolson, Kim Marie (1994) Book Review. Keeping All the Pieces, by Whit Gibbons. The ASB Bulletin, Vol. 41, No. 4.
- Lee, J.E., K.M. Tolson and W.J. Liles. (1994) A novel approach for determining the presence of acid-fast bacilli in the nine-banded armadillo. Microbiology Joint Meeting, LSU Medical Center, Shreveport, LA.
- Mann, M.K., K.M. Tolson and W.J. Liles (1994) Blood profiles of armadillos infected with *Mycobacterium leprae*. Microbiology Joint Meeting, LSU Medical Center, Shreveport, LA.
- Holt, J.C., B. Harrell, K.M. Tolson, and A.E. Liles (1994) Surgical determination of gender in the immature alligator snapping turtle, *Macrolemys temminckii*. Louisiana Academy of Sciences, McNeese State University, Lake Charles, LA.
- Lee, J.E., W.J. Liles and K.M. Tolson (1994) Surgical experiences with the nine-banded armadillo (*Dasybus novemcinctus*). Louisiana Academy of Sciences, McNeese State University, Lake Charles, LA.
- Mann, M.K., W.J. Liles and K.M. Tolson (1994) Blood profiles of the nine-banded armadillo, *Dasybus novemcinctus*. Louisiana Academy of Sciences, McNeese State University, Lake Charles, LA.

- Holt, J.C., K.M. Tolson and N.H. Douglas (1993) Use of carapace dimensions in the alligator snapping turtle, *Macrolemys temminickii*, to project body weight. Association of Southeastern Biologists, Old Dominion University, Virginia Beach, VA. The ASB Bulletin, Vol. 40. No. 2.
- Holt, J.C., K.M. Tolson and N.H. Douglas (1993) Extrapolation of weight from carapace dimensions in the alligator snapping turtle, *Macrolemys temminickii*. Louisiana Academy of Sciences, University of Southwestern Louisiana, Lafayette, LA.
- Tolson, K.M. (1989) Neurotoxicity of a synthetic pyrethroid. Louisiana Academy of Sciences, Louisiana Academy of Sciences, LSU-A, Alexandria, LA.
- Tolson, K.M. (1988) Neurotoxic actions of the synthetic pyrethroid fenvalerate in the rat. Ph.D. Dissertation, Northeast Louisiana University, Monroe, LA.
- Tolson, K.M. and W.M. Bourn. (1988) The effects of a benzodiazepine receptor antagonist and picrotoxin on fenvalerate toxicity. The Toxicologist, Vol. 8, p. 176.
- Tolson, K.M., W.M. Bourn, and F.O. Risinger (1987) Picrotoxin effects on fenvalerate-induced locomotor activity. Society for Neuroscience Abstracts, Vol. 13, p. 86.
- Tolson, K.M. and W.M. Bourn (1987) Fenvalerate toxicity: differences by gender and route of administration. South Central Chapter of the Society of Toxicology Abstracts.
- Bourn, W.M., F.O. Risinger, R.L. Garrett and K.M. Tolson (1986) Convulsant activity of depressant benzodiazepines. South Central Chapter of the Society of Toxicology Abstracts.
- Tolson, K.M. and W.M. Bourn (1986) Fenvalerate: Partial agonist at the picrotoxinin receptor? South Central Chapter of the Society of Toxicology Abstracts.
- Tolson, K.M., W.M. Bourn, and F.O. Risinger (1986) Fenvalerate effects on the picrotoxin seizure threshold and locomotor activity in the rat. The Toxicologist, Vol. 6, P. 25.
- Bourn, W.M., R.L. Garrett, and K.M. Tolson (1986) Effect of CGS-8216 on high-dose flurazepam convulsive threshold. Pharmacology, Vol. 32, pp. 131-133
- Bourn, W.M., S.A. Broughton, R.L. Garrett, and K.M. Tolson (1984) Influence of CGS-8216 or 6-hydroxydopamine on high-dose flurazepam convulsive threshold. Academy of Pharmaceutical Sciences Abstracts, Vol. 14, P. 262.