

Curriculum Vita
H. Randall Yoder

Current Position

Associate Professor, Biology, Lamar University

Address

Department of Biology
Lamar University
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Education

Ph.D., Biology, May, 1998. University of Wisconsin-Milwaukee, Milwaukee, Wisconsin
Dissertation: Community ecology of helminth parasites infecting molluscan and amphibian hosts.

B.A., Biology, 1991, Goshen College, Goshen Indiana.

Positions Held

Lamar University

Department of Biology
Associate Professor
2007 - Present
Assistant Professor
2000 - 2007
Graduate Faculty 2000-Present

Courses

General Biology I * (* =lecture and lab)
General Biology II *
Parasitology *
Field Parasitology *
Embryology *
Integrated Sciences Biology for Teachers *
Biological Literature I and II
Graduate Seminar (various topics)
Non-majors General Biology*
Honor's Seminar

University of Wisconsin-Milwaukee

Department of Biological Sciences
Associate Lecturer
1999-2000 (postdoctoral)

Human Parasitology
Elements of Biology
Survey of Zoology

Positions Held – contd.

UW-W Pigeon Lake Field Station

1999 (postdoctoral)

Ecological Field Methods
(Invertebrate portion)

University of Wisconsin-Whitewater

Department of Biological Sciences

Lecturer

1998-1999 (postdoctoral)

Biological Foundations

Carroll College

Department of Biological Sciences

Adjunct Faculty

1997, 1995

Fundamentals of Parasitology

University of Wisconsin-Milwaukee

Department of Biological Sciences

Graduate Teaching Assistant

1991 – 1998

Lectures taught

General Biology II (animal portion)

Laboratories taught

Human Parasitology

General Biology I (TA coordinator)

General Biology II

Elements of Biology (Discussion)

Survey of Zoology (TA coordinator)

Anatomy and Physiology I

Goshen College

Goshen, Indiana

Laboratory Teaching Assistant

1989 - 1991

Laboratories taught

Microbial Biology

Microbiology

Marine Biology (Long Key Florida)

Marine Biology High School Weeks

Other relevant employment

Merry Lea Environmental Learning center- Goshen College.

Groundskeeper

Summers 1990, 1991

PUBLICATIONS

Publications (peer reviewed)

Authors in bold were undergraduate students at time of research.

Yoder, H. R. and James R. Coggins. 2007. Helminth communities in five species of sympatric amphibians from three adjacent ephemeral ponds in southeastern Wisconsin. *Journal of Parasitology* 93: 755-760

Yoder, H. R. and **G. W. Gomez**. 2007. Helminth parasite assemblages in bullfrogs (*Rana catesbeiana*) from southeast Texas. *Texas Journal of Science*: 59:33-38.

Jiang, M. J., M. O. Way, R. Yoder, W. Zhang, and J. C. Cheng. 2006. Elytral Color Dimorphism in rice water weevil (Coleoptera: Curculionidae): Occurrence in spring populations and relationship to female reproductive development. *Annals of the Entomological Society of America* 99: 1127-1132.

Yoder, H. R. and **C. M. Crabtree**. 2005. Parasite assemblages in centrarchid fishes from backwater habitats in southeast Texas, U.S.A. *Texas Journal of Science* 57: 59-66.

Yoder, H.R., **C. Reinbold**, and J.R. Coggins. 2001. Helminth communities in green frogs, *Rana clamitans*, from southeastern Wisconsin. *Comparative Parasitology* 68: 269-272.

Yoder, H. R. and James R. Coggins. 1998. Larval trematode assemblages in the snail *Lymnaea stagnalis* from Southeastern Wisconsin. *Journal of Parasitology* 84: 259-268.

Yoder, H. R. and James R. Coggins. 1996. Helminth communities in the northern spring peeper, *Pseudacris c. crucifer* Wied and the wood frog, *Rana sylvatica* Le Conte from southeastern Wisconsin. *Journal of the Helminthological Society of Washington* 63:211-214.

Publications (invited)

Book Review

Yoder, H. R. 2005. Review of Esch, G. W., 2004. *Parasites People and Places: Essays on Field Parasitology*. Cambridge University Press. In *Ecoscience* 12:149.

PRESENTATIONS

*Authors in bold were undergraduate students at time of research, * = presented by student.*

Callarman, Jan S. and H. Randall Yoder. 2010. Seasonal dynamics of parasitic helminths of bluegill sunfish, *Lepomis macrochirus* (Centrarchidae) and certain physiochemical factors in a eutrophic meander scar lake in Southeast Texas. Oral presentation given at the 113^h Annual meeting of the Texas Academy of Science. March 4-6, 2010, Stephenville, TX.

Presentations – contd.

- Walthall, A., R.*** Yoder, and D. Chen. 2008. Bactericidal effects of undoped and Nd-doped TiO₂ on *Escherichia coli* under simulated solar irradiation. Oral presentation given at the 111th Annual meeting of the Texas Academy of Science. March 6-8 2008, Corpus Christi, TX.
- Yoder, H. R. and **G. W. Gomez**. Helminth parasite assemblages in bullfrogs (*Rana catesbeiana*) from southeast Texas. Oral presentation given at the 108th Annual meeting of the Texas Academy of Science. March 3-5 2005, Edinburg, TX.
- Taylor, A. H*** and H. R. Yoder. Helminth parasite communities in bluegill sunfish (*Lepomis macrochirus*) from a constructed pond in Southeast Texas. Poster given at the 107th Annual meeting of the Texas Academy of Science. March 4-6 2004, Kerville, TX.
- Yoder, H. R. and **C. Crabtree***. Parasite assemblages in centrarchid fishes from backwater habitats in southeast Texas. Oral presentation at the 106th Annual meeting of the Texas Academy of Science. February 27 – March 1 2003, Nacogdoches, TX.
- Reinbold, C. J.**, H. R. Yoder, and J. R. Coggins. A survey of helminth parasites in the green frog (*Rana clamitans*) from southeastern Wisconsin. Poster presentation at the 52nd Annual Midwestern Conference of Parasitologists (AMCOP), June 2000, Notre Dame, Indiana.
- Yoder, H.R. and J. R. Coggins. Helminth communities in six species of amphibia from southeastern Wisconsin. Oral presentation at the 74th meeting of the American Society of -Parasitologists. July, 1999, Monterey, California.
- Yoder, H.R. Helminth communities in six species of amphibia from southeastern Wisconsin. Oral presentation at the 47th Annual Wildlife Disease Association Conference. August, 1998, Madison, Wisconsin.
- Yoder, H. Randall and James R. Coggins. 1995. Helminth communities in the Northern Spring Peeper, *Pseudacris c. crucifer* Wied and the Wood Frog, *Rana sylvatica* Le Conte from Southeastern Wisconsin. Poster presented at the 70th meeting of the American Society of Parasitologists. July, 1995, Pittsburgh, Pennsylvania.
- Yoder, H.R. Helminth communities in six species of amphibia from southeastern Wisconsin.. Oral presentation at the 50th Annual Midwestern conference of Parasitologists (AMCOP), June 1998, Terra Haute, Indiana.
- Yoder, H.R. Larval trematode assemblages in a population of the snail *Lymnaea stagnalis* Appressa (Say, 1818) from Southeastern Wisconsin. Oral presentation at the 48th Annual Midwestern Conference of Parasitologists (AMCOP), June 1996, Kirksville, Missouri.

Presentations – contd.

Yoder, H.R. Helminth communities in the Northern Spring Peeper, *Pseudacris c. crucifer* Wied and the Wood Frog, *Rana sylvatica* Le Conte from southeastern Wisconsin. Oral presentation at the 47th Annual Midwestern Conference of Parasitologists (AMCOP), June 1995, Milwaukee, Wisconsin.

Presentations (invited)

Helminth Parasite Communities in Amphibians with Emphasis on Southeast Texas Bullfrogs. Sam Houston State University, Biology Seminar Series, April 6, 2006.

West Nile Virus. Village Creek State Park Seminar Series, January 13, 2004.

Lyme Disease. Village Creek State Park Seminar Series, November 12, 2002.

Biotechnology? Stem Cells ? Cloning ? What Does It All Mean? Where Do We Stand ? Corner Stones Sunday School Class, First United Methodist Church of Beaumont. January 13, 2002.

Biotechnology? Stem Cells ? Cloning ? What Does It All Mean? Where Do We Stand ? Fun, Faith and Fellowship Sunday School Class, First United Methodist Church of Beaumont. January 27, 2002.

Parasites and Their Marvelous Bag of Tricks. Village Creek State Park Seminar Series, November 13, 2001

GRANTS FUNDED

Chen, D., and R. Yoder, K. Sterns. 2006-2007. Field Sampling and Identification of Atrazine/Pathogens-Containing Water. USDA. \$45,000. (renewed 2008)

Yoder, H. R. 2002. Effects of parasitism by *Posthodiplostomum minimum* (Trematoda) metacercaria on oxygen use and population structure in centrarchid sunfish from southeast Texas. Lamar University Research Enhancement Grant. \$5000.00

Yoder, H. R. 2001. Parasite Assemblages in Fishes from Backwater Habitats along the Neches River Basin. Lamar University Research Enhancement Grant. \$5000.00

STUDENT RESEARCH

Graduate Research Supervised

Graduate Committees (Thesis M.S.) *= Thesis advisor

1. Callarman, J. * 2005-present. M.S. thesis project: Seasonal Dynamics of Parasitic Helminth Communities of Bluegill Sunfish, *Lepomis macrochirus* (Centrarchidae) and certain Physiochemical Factors in a Eutrophic Meander Scar Lake in Southeast Texas.
2. Hurych, D. W. 2006-2009. The population ecology of cotton mouth snakes at Village Creek State Park.

Graduate Students contd.

Bordelon, B. 2001-2003. M.S. thesis Project: Freshwater Mussels (Bivalvia) of the Village Creek Drainage Basin in Southeast Texas. Thesis accepted, August 2003.

Graduate Student Committees (Non-thesis m.s) *= chair of committee

1. Walthal, A.* 2008-2009
2. Gilthorpe S. * 2007-2008
3. Chase R. * 2007-2008
4. Roberts, B. 2005-2007.

Undergraduate Research Supervised

Undergraduate Honors Theses

Christine Cappel

Thesis advisor (2004-2005)

Thesis: Patient access to health care: A cross-cultural survey

Christine is currently a medical student at University of Texas Medical Branch- Galveston

McNair Scholars Program

Tj Lacy

McNair Mentor (2001-2002)

Paper Title: Parasite communities in three species of centrarchid sunfish from two backwater habitats along the Neches River basin in southeast Texas.

Project funded (including student support) by McNair Scholars Program.

Currently in optometry school at the University Of Houston College Of Optometry

Research for credit (Bio 4300)

1. Parasites of the Mexican tetra and sailfin molly from southeast Texas.

Students Involved

Ameena Mitha (Spring 2010)

Josh Blanton (Spring 2010)

2. Parasites of the sheepshead minnow from southeast Texas.

Students Involved

Tran, Tina (2009 - Current)

Chris Moore (2009)

3. Parasites of the banded pigmy sunfish from southeast Texas.

Students Involved

Chad Haufpauer (2008)

4. Helminths of red-winged blackbirds from southeast Texas.

Students Involved

Cary Nunez (2006)

Shuan Duke (2007)

Undergraduate research– contd.

5. Bactericidal effects of undoped and Nd-doped TiO₂ on *Escherichia coli* under simulated solar irradiation.

Project funded by USDA grant, see above

(* = received hourly payment or travel funds from grant)

Students Involved

Walthal, A. R. (2007)*

John Montalbano*

6. Infection dynamics of *Posthodiplostomum minimum* in physid snails from Massy Lake.

Justin Padia (2006)

7. Helminth parasite assemblages in bullfrogs (*Rana catesbeiana*) from southeast Texas

Students Involved

Whitney Gomez - Currently a dental student at University of Texas Health Sciences Center -San Antonio

Andy West –Hardin-Jefferson High School during project, Lamar student, Law Student currently.

8. Helminth parasite communities in bluegill sunfish (*Lepomis macrochirus*) from a constructed pond in Southeast Texas.

Students Involved (* = received hourly payment or travel funds from grant)

Trey Latiolis* – Recently graduated from The University of Texas Dental Branch - Houston

Phuong Nguyen*

Aaron Taylor*

Jaime Butler – Currently in Ph.D. program, Texas A&M University.

9. Parasite assemblages in centrarchid fishes from backwater habitats in southeast Texas.

Students Involved (* = received hourly payment or travel funds from grant)

Dennis Roberts –Graduate of University of Texas Medical School-Houston (in residency)

Rachel Goats

Robert Rose

Sherry Stern

Crissy Hamm

Natascha Leidensdorf*

Chris Crabtree

SERVICE

Lamar University *University*

Supervisor: Supplemental Instruction Program (2007-2009)
Finding and training qualified undergraduates to hold outside of class sessions in courses with high drop/fail rates, working with faculty, and coordinating program.
Faculty Senate (2008-Present)
Animal Care and Use Committee (2002-2003)

College

Core Curriculum Assessment Committee (Present)
Arts and Sciences Faculty Council (2006-2008)
College Awards Committee (2003)
Faculty Advisor: American Student Dental Association (2006-Present)

Pre-Professional Advisory Committee (2000-Present)

1. Advising pre-medical, pre-dental, pre-veterinary, pre-optometry, pre-pharmacy and others
2. Interviewing all students preparing to apply to programs
3. Writing letters of recommendation
4. Freshmen orientation
5. Assigning scholarships

Department

Microbiologist Search Committee (2009, 2006, 2002)
Lecturer Search Committee (2007)
Various departmental sub-committees
Representative at Graduation (multiple occasions)

Discipline

Reviewing for Journals (Invited)

Journal of Parasitology
American Midland Naturalist
Diseases of Aquatic Organisms
Pacific Science

Reviewing of Texts (Invited)

1. Biology: R. Brooker, E. Widmaier, L. Graham, and P. Stilling
McGraw-Hill
 - a. Reviewed 8 chapters of general biology text
 - b. Attended focus group for - Madison Wisconsin
 - c. Reviewed art work for computer/tele-conference.

Service: discipline, reviewing – contd.

2. McGraw-Hill: Reviewed chapter 25 (genetics of development)
Raven/Johnson Biology 8e.

Other Service to Discipline

Session Moderator, 84th meeting of the American Society of
Parasitologists. August 2009.

Session Moderator, 109th Annual Meeting of the Texas Academy of
Science. Lamar University, March 2-4, 2006, Beaumont, TX.

Awards

The George R. LaRue Student Award for an outstanding meeting presentation and
accomplishments in Parasitology. Annual Midwestern Conference of Parasitologists
(AMCOP). June, 1996, Kirksville, Missouri

Professional Affiliations (current paid memberships)

American Society of Parasitologists (1992-Present)

Texas Academy of Science (2003-Present)

The Helminthological Society of Washington (1995-Present)