

Department of Biological Sciences
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Research Interests: Aquatic Ecology, Restoration and Sustainable Development

My research is focused on understanding the cause and effect relationships of human-induced stressors on aquatic ecosystems and the habitat requirements, ecology and reproduction of fishes. My laboratory is actively involved watershed restoration research and the conservation and restoration of ecological integrity. Projects include the design and implementation of stream and watershed monitoring and rehabilitation plans, the ecology of rare and threatened species, genetic differentiation of exploited fishes, and the effects of exotic species invasions on native fauna. Our work has been conducted primarily on watersheds in the upper Mississippi and Great Lakes watersheds. Since 2004 I have been working closely with collaborators in Romania and Costa Rica on the use of watershed and landscape ecology as tools in the design and implementation of sustainable development strategies.

A. Education And Professional Preparation:

1989-90 National Science Foundation Postdoctoral Fellowship in Environmental Biology and Queen's University Biological Station and University of Toronto
1987-89 Postdoctoral Research Fellow, Kellogg Biological Station, Michigan State Univ.
1980-86 Ph.D., Zoology, Michigan State University
1979-80 M.S., Biology, Northwestern University
1975-79 B.A., Biology, Northwestern University

B. Appointments:

1998 - 2004 Director, UWM Interdisciplinary Major in Conservation and Environmental Sciences.
1996 - present Associate Professor, Department of Biological Sciences, University of Wisconsin-Milwaukee.
1990 - 1995 Assistant Professor, Department of Biological Sciences, University of Wisconsin-Milwaukee

C. Peer-Reviewed Publications Related to Aquatic Ecology and Sustainability:

Ehlinger, T.J., Tofan, L., Bucur, M., Enz, J., Carlson, J., and Shaker, R. (2011) Application of a participatory ex ante assessment model for environmental governance and visualizing sustainable redevelopment in Gorj County, Romania, In Z. Andreopoulou, B. Manos, N. Polma, & D. Viaggi (Eds), *Agricultural and Environmental Informatics, Governance, and Management: Emerging Research Applications*. IGI-Global.

Shaker, R., L.Tofan, M. Bucur, S. Costache, D.Sava and **T. Ehlinger**. (2010) "Land cover and landscape as predictors of groundwater contamination: a neural-network modeling approach applied to Dobrogea, Romania", *Journal of Environmental Protection and Ecology / JEPE*. 11(1) 337.

Steurer, J., Rosati, J., Kuhns, R., Gruber, N., Adler, M.J. , Lipan, I., Roberge, J., Stănică, A., Dan, S., Ginther, P., Swisher, C. Mozingo, J., **Ehlinger, T.**, and Tofan, L. (2010) *Integrated Coastal Zone Management System for the Romanian Black Sea Coast.*, pp. 2 – 15 in *First International Conference on Coastal Zone Management of River Deltas and Low Land Coastlines* CZMRDLLC – 2010. Coastal Research Institute (CoRI) and National Water Research Center

- (NWRC), Alexandria Egypt,
http://www.4shared.com/document/QqWYyBiS/proceeding_of_CZM_of_River_Del.html
- Gruber, N., Kuhns, R., Roberge, J., Steurer, J., Stănică, A., **Ehlinger, T.**, Tofan, L., Mazingo, J., Rosati, J., and Ginther, P. (2010). Environmental Assessment and a Framework For Integrated Coastal Zone Management for the Black Sea Coast, Romania. pp 16-29 in *First International Conference on Coastal Zone Management of River Deltas and Low Land Coastlines* CZMRDLLC – 2010. Coastal Research Institute (CoRI) and National Water Research Center (NWRC), Alexandria Egypt. http://www.4shared.com/document/QqWYyBiS/proceeding_of_CZM_of_River_Del.html
- Kuhns, R., Gruber, N., Steurer, J., Stănică, A., Lipan, I., Tofan, L., Mazingo, J., Roberge, J., **Ehlinger, T.**, Ginther P., and Rosati J. (2010) Development of a Coastal Systems Operations Center for the Institutional Strengthening of Coastal Management along The Romanian Black Sea. pp. 75 – 89 in *First International Conference on Coastal Zone Management of River Deltas and Low Land Coastlines* CZMRDLLC – 2010. Coastal Research Institute (CoRI) and National Water Research Center (NWRC), Alexandria Egypt.
http://www.4shared.com/document/QqWYyBiS/proceeding_of_CZM_of_River_Del.html
- Pauers M.J., **Ehlinger T.**, McKinnon J.S. (2010) Female and male visually based mate preferences are consistent with reproductive isolation between populations of the Lake Malawi endemic *Labeotropheus fuelleborni*. *Current Zoology* 56:65-72.
- Bucur, M., Tofan, L., **Ehlinger, T.**, Buiculescu, A., Vasile, T., Shaker, R. Jensen, J, Ritter, A. (2009) “Presentation of aspects monitoring of Lake Siutghiol utilizing GIS”, *Annals of Alba Iulia University*.
- Tofan, L. & **Ehlinger, T.** & 7 others. (2008) “Creation of a shoreline development index and the relationship between the sustainable development and the biological diversity”, in *Comparative studies regarding coastal habitats biodiversity, anthropogenic impact and the measures of conservation and rehabilitation of the habitats of European importance between Midia and Cape Kaliakra*, Volume of Constanta Conference (Mamaia, 26-28 sept.2008), pag.144-152, Ed. Ex.Ponto, Constanta, 2008
- Novotny, V., O’Reilly, N., **Ehlinger, T.**, Frevert, T. Twait, S. (2007). A river is reborn – the use attainability analysis of the Lower DesPlaines River, Illinois. *Water Environment Research*, 79(1): pp. 68-80(13)
- Fayram, A. H., Hansen M.J, and **Ehlinger, T.** (2006). Characterizing changes in maturity of lakes resulting from supplementation of walleye populations." *Ecological Modelling* 197(1-2): 103-115.
- Fayram, A, Hansen, M, and **Ehlinger, T.** (2006). Influence of walleye stocking on angler effort in Wisconsin. *Human Dimensions of Wildlife* 11(2)
- Novotny, V., Bartošová, O’Reilly, N. and **Ehlinger, T.** (2005). Unlocking the Relationship of Biotic Integrity of Impaired Waters to Anthropogenic Stresses. *Journal of Water Research*, 34: 189-198.
- Fayram, A., M. Hansen, and **T. Ehlinger.** (2005). Interactions between Walleye and Four Fish Species with Implications for Walleye Stocking. *North American Journal of Fisheries Management* 25:1321–1330.
- Pauers, M.J., McKinnon J.S. and **Ehlinger T.J.** (2004). Directional sexual selection on chroma and within-pattern colour contrast in *Labeotropheus fuelleborni*. *Proc. R. Soc. Lond. B (Suppl.)*. vol. 271, Supplement 6 to Issue 1, pp. S444-S447
- Ehlinger, T.J.** (1999). Ecology, Phenotype and Character Evolution in Sunfish: A Population Comparative Approach. In S. Foster and J. Endler (eds) *Geographic Variation in Behaviour: Perspectives on Evolutionary Mechanisms*. Oxford Univ Press.

- Slawski, T. and **T.J. Ehlinger**. (1998). Habitat Improvement in Box Culverts: Management in the Dark?. *North American Journal of Fisheries Management*. 18:676-685.
- Ehlinger, T.J.** (1997). Male reproductive competition and sex-specific growth patterns in bluegills. *North American Journal of Fisheries Management*. 17:508-515.
- Ehlinger, T.J.** , Gross, M.R. and D.P. Philipp. (1997). Morphological and growth rate differences between bluegill males of alternative reproductive life histories. *North American Journal of Fisheries Management* 17:533-542.
- Wilson, D.S., Muzall, P., and **T.J. Ehlinger**. (1996). Parasites, morphology and habitat use in a bluegill sunfish population. *Copeia* 96: (2) 348-354.
- Phillips, R. and **T.J. Ehlinger**. (1995). Evolutionary and ecological considerations in the reestablishment of Great Lakes coregonid fishes. IN: *Evolution and the Aquatic Ecosystem: Defining Unique Units in Population Conservation*. (ed.) Nielson J.L and D.A. Powers. *American Fisheries Society*: 17: 133-144.
- Gerber, D.T., **T.J. Ehlinger** and D.H. Les. (1994). An image analysis technique to determine the surface area and volume for dissected leaves of aquatic macrophytes. *Aquatic Botany* 48:175-182.
- Ehlinger, T.J.** (1991). Allometry and the analysis of morphometric variation in bluegill, *Lepomis macrochirus*. *Copeia* (2) 347-357.
- Ehlinger, T.J.** (1990). Phenotype-limited feeding efficiency and habitat choice in bluegill: Individual differences and trophic polymorphism. *Ecology* 71:886-896.
- Ehlinger, T.J.** (1989). Learning and individual variation in bluegill foraging: Habitat-specific techniques. *Animal Behaviour* 38:643-658.
- Ehlinger, T.J.** (1989). Foraging mode shifts in the golden shiner (*Notemigonus crysoleucas*). *Canadian Journal of Fisheries and Aquatic Sciences* 46:1250-1254.
- Hall, D.J. and **T.J. Ehlinger**. (1989). Perturbation, planktivory and pelagic community structure: the consequence of winterkill in a small lake. *Canadian Journal of Fisheries and Aquatic Sciences* 46:2203-2209.
- Ehlinger, T.J.** and D.S. Wilson. (1988). A complex foraging polymorphism in bluegill sunfish. *Proceedings of the National Academy of Sciences, USA* 85:1878-1882.
- Clark, A.B. and **T.J. Ehlinger**. (1987). Pattern and Adaptation in Individual Behavioral Differences. In Bateson P. G. and Klopfer, P. H. (eds.) *Perspectives in Ethology*, vol. 7. Plenum Press, New York.
- Culver, D.C. and **T.J. Ehlinger**. (1982). Determinants of body size of two subterranean aquatic isopods - *Caecidotea cannulus* and *Caecidotea holsingeri* (Isopoda: Asellidae). *Polskie Archiwum Hydrobiologii* 29(2):463-470.
- Culver, D.C. and **T.J. Ehlinger**. (1980). Effects of microhabitat size and competitor size on two cave isopods. *Brimleyana* 4:103-113.

D. Selected Agency and Peer-reviewed Technical Reports

- Ehlinger, T.J.**, L. Tofan, J. Enz et al. (2008), Ecological and Sustainable Redevelopment of Mining Zones in Gorj County, Romania. A report to The Romanian National Agency for the Redevelopment of Mining Zones and.
http://www.uwm.edu/~ehlinger/romania/Gorj_County_10_31_2008_Final.pdf
- Shaker, R.R., and T.J. **Ehlinger**. (2007). Technical Report #11 Agricultural land fragmentation and biological integrity: the impacts of rapidly changing landscape on streams in Southeastern Wisconsin. http://www.coe.neu.edu/environment/WebReports/New_report11.pdf
- Novotny, V.; **Ehlinger, T.**; Manolakos, E.; Bartosova, A.; O'Reilly, N.; Bedoya, D.; McGarvey, K.; Brooks, J.; Beach, D.; Farah, J.; and Shaker, R. 2007. Technical Report # 15. Final Report. Developing Risk Propagation Model for Estimating Ecological Responses of Streams to Anthropogenic Watershed Stresses and Stream Modifications.
http://www.coe.neu.edu/environment/WebReports/EPA_final_Report2.pdf
- Shaker, R.R., and **T.J. Ehlinger**. 2007. Technical Report #11 Agricultural land fragmentation and biological integrity: the impacts of rapidly changing landscape on streams in Southeastern Wisconsin. http://www.coe.neu.edu/environment/WebReports/New_report11.pdf
- O'Reilly, N., **T.J. Ehlinger**, and D.J. Osmon. 2007. Fox Lake Management Strategy Evaluation Report and Recommendations for Future Action – 2007. Prepared for Wisconsin DNR and Fox Lake Inland Protection and Rehabilitation District. June 2007, by Hey and Associates, Inc.
- O'Reilly, N., **T.J. Ehlinger** and R.R. Shaker. 2007. Technical Report #14 The development and evaluation of methods for quantifying risk to fish in warm-water streams of Wisconsin using Self-Organizing Maps: influences of watershed and habitat stressors.
http://www.coe.neu.edu/environment/WebReports/New_report14.pdf
- Hoverman, K. and **T.J. Ehlinger**. 2005. Technical Report #6– Using Simulation Models for Predicting the Quality and Quantity of Fish Habitat in Relationship to Flow Variation in Urban Streams.
http://www.coe.neu.edu/environment/WebReports/tech_rep-6.pdf
- Novotny, V., N. O'Reilly, **T. Ehlinger**, and S. Melching. 2004. Use Attainability Analysis for the Lower Des Plaines River. by AquaNova, Inc. and Associates, Inc. for Illinois EPA.
- Ehlinger, T.J.**, Sandgren, C., and Schacht-Dethorne, L. 2004. Degradation and recovery In urban watersheds: Executive summary narrative and Recommendations. Great Lakes Protection Fund Grant WR539. www.uwm.edu/~ehlinger/ysi_data.htm.
- Ehlinger, T.J.**, Sandgren, C., and Schacht-Dethorne, L. 2003. Monitoring of Stream Habitat & Aquatic Biotic Integrity in Lincoln Creek Milwaukee County, Wisconsin. Report to the Milwaukee Metropolitan Sewerage District www.uwm.edu/~ehlinger/ysi_data.htm.
- Ehlinger T.J.**, L. Schacht-DeThorne, C. Jackels. 2003. Monitoring of Stream Habitat, Aquatic Biotic Integrity & Longear Sunfish Distribution in the Mukwonago River, Waukesha and Walworth Counties, Wisconsin. Report to the Wisconsin Department of Natural Resources.
- Ehlinger, T.J.** and J. Reinartz. 1998. Assessment of Allenton Creek trout stream relocation and wetland mitigation. Wisconsin Department of Transportation, Department of Natural Resources and Army Corps of Engineers.
- Ehlinger, T.J.** and Greg Seigert. 1994. Biodiversity and the value of Wisconsin Fishes. A position document for the Wisconsin Chapter of the American Fisheries Society.
- Ehlinger, T.J.** 1994. Assessment of the importance of the onset of sexual maturity in relation to bluegill stunting. Report to the Wisconsin Department of Natural Resources.
- Ehlinger, T.J.** and D. Treloar. 1993. Genetic and morphometric divergence among walleye in the Lake Winnebago system. Report to Wisconsin Dept. of Natural Resources and U.S.F.W.S.

Ehlinger, T.J. and D. Treloar. 1992. Walleye stock differentiation and analysis of recruit contributions in the Lake Winnebago System determined by allozyme and morphological techniques. Report to the Wisconsin Dept. of Natural Resources and U.S. Dept. of Fish and Wildlife.

E. Selected Research Grant-funded Research and Contracts:

- 2010-2011 Zebrafish (*Danio rerio*) Sediment Contact Assay as a Novel Tool for Integrating Human Health and Ecological Risk Assessment. Pilot Project from National Institute of Environmental Health Sciences. Collaborator: Michael Carvan (\$70,000)
- 2010-2011 Transdisciplinary Challenges For 21st Century Studies: Escaping Flatland: (Re) Writing the Histories, Geographies and Borderland Ecologies of Water. Collaborators: Manu P. Sobti & Ryan B. Holifield (\$273,000)
- 1998-2011 Formulation and Implementation of a Restoration Plan for the Pike River. Town of Mt. Pleasant, WI. (Continuing project: \$197,000).
- 2006-2010 Development of Indicators for Sustainable Development in the Danube Delta, Romania. National Science Foundation IRES Program. Collaborator: Lucica Tofan – Ovidius University, Romania; Tracey Heatherington, Bob Burlage and Christina Buffington – UW-Milwaukee. (\$149,500).
- 2006-2008 The Ecological Reconstruction And Business Assessment Strategy For Sustainable Development In Areas Affected By Mine Closures In Gorj County, Romania. US Trade and Development Agency. Collaborators: Applied Ecological Services, Broadhead Wisconsin; Virginia Carlson, Tracey Heatherington, Chris DeSousa – UW-Milwaukee. (\$163,000).
- 2006-2008 Low Flow Dissolved Oxygen Monitoring Study: Fox River Illinois. Fox River Study Group (subcontract to Hey and Associates). (\$61,541).
- 2004-2007 Fox Lake Nutrient Loading and Trophic Status Assessment. Fox Lake Inland Lake Management and Rehabilitation District (\$53,000)
- 2004-2005 Lower Fox Hydrodynamic, Geotechnical and Sediment Characterization Program. Arjo Wiggins, Appleton. Collaboration with USGS Middleton. (\$125,000).
- 2003-2008 Northeast Wisconsin Cooperative Watershed Monitoring and Assessment Team. Arjo Wiggins – Appleton. Collaborator: Kevin Fermanich, UW-Green Bay. USGS, Middleton, WI. (\$540,000)
- 2003-2004 Wisconsin Coastal Management Grant Program: Clean Water Kiosks: Using Water Quality Data to Promote Public Education in the Milwaukee Estuary. H. Bootsma and T. Ehlinger. (\$52,000).
- 2002-2007 Development of Risk Propagation Classification System for Diagnosis of Biological Impairment in Upper Midwest Watersheds. EPA/NSF STAR Program. Collaborators: Vladimir Novotny, Northeastern University. (\$143,000)
- 2002-2003 A Study of Factors Affecting the Longear Sunfish in the Mukwonago River Watershed. US Conservation and Reinvestment Act (CARA) program. Ehlinger, T.J. \$37,000.
- 2002-2003 MHC Diversity in Lake Trout at the Mid-Reef Complex and Northern Refuge, Lake Michigan. University of Wisconsin - Seagrant. PIs: Phillips, R. and T. Ehlinger. (\$100,643).
- 2000-2002 Preparation of a Plan for the Restoration of Big Spring Creek, Adams Co. WI. DeWitt, Ross, and Stevens. Madison WI. PI: T. Ehlinger. (\$47,000).
- 2000-2003 A Study of the Hydrogeological, Limnological, and Biological Status of the Wolter Lakes. Sandgren, C., Ehlinger, T.J. and D. Cherkauer. The Nature Conservancy. (\$72,000).
- 2000-2001 Ehlinger, T. J. DeWitt Ross, and Stevens. Biological and Ecological Analysis of Big Spring Creek, Adams Co. Wisconsin. (\$18,000).

- 1999-2003 Great Lakes Protection Fund. Degradation and Recovery in Urban Watersheds: Recoupling Stream Function and Structure. Collaborator: Craig Sandgren, UW-Milwaukee. (\$323,000).
- 1999-2000 Ehlinger, T.J. City of West Bend. Implementation of a Restoration Plan for Quas Creek, Washington Co. Wisconsin. (\$38,000).
- 1998-2000 Ehlinger, T.J., Whittingham, L., Brooks, A., and Desteven, D., National Science Foundation award DUE-9850868. Integrating Spatial and Temporal Variability in Ecology Laboratories. (\$95,642).
- 1998-1999 Ehlinger, T.J. Assessment of the Ecological Status of Quas Creek, Continental Properties. (\$17,000).
- 1998 Ehlinger, T.J. Assessment of The Ecological Status Of An Unnamed Tributary To The Milwaukee River At Kewaskum, Wisconsin. Wisconsin Department Of Transportation. (\$7,800).
- 1995-1996 Karron, J.D., Ehlinger, T.J., Phillips, R.B., Sommer, C.B., and Sandgren, C.D. National Science Foundation award STI-9414978. Renovation of ecology and conservation biology research facilities. (\$322,000 plus \$322,000 match from the State of Wisconsin).
- 1993-1998 Ehlinger, T.J. and J. Reinartz. Wisconsin Department of Transportation. Allenton Creek trout stream restoration and wetland mitigation project. (\$270,700).
- 1992-93 Ehlinger, T.J. and J. Reinartz. Wisconsin Dept. of Transportation. Formulation of a plan for the relocation and mitigation of Allenton Creek. (\$123,800).
- 1992-1994 Ehlinger, T.J. National Science Foundation award IBN-9208295. Functional ecology and evolution of sexual divergence in sunfishes. (\$46,000).
- 1993 Ehlinger, T.J. Wisconsin Dept. of Transportation. Assessment of hydrological and limnological condition of a fen at Spring Valley Creek. Walworth County. (\$2,280).
- 1994-1995 Ehlinger, T.J. and Stremick, L.L. Factors influencing the status of longear sunfish in southeastern Wisconsin. Wisconsin Academy of Arts and Sciences. (\$1,850).
- 1992-1994 Ehlinger, T.J. U.S. Dept. of Fish and Wildlife & Wisconsin D.N.R. Assessment of the importance of the onset of sexual maturity in relation to bluegill stunting. (\$12,650).
- 1991-1994 Ehlinger, T.J. U. S. Dept. of Fish and Wildlife & Wisconsin D.N.R. Stock Differentiation and Analysis of Stock Recruitment in Lake Winnebago Walleye. (\$30,000).
- 1990-1991 Ehlinger, T.J. National Science Foundation award BSR-9022013. The ecology and evolution of trophic and reproductive polymorphism in bluegill sunfish. (\$14,000).
- 1991-1992 Ehlinger, T.J. University Teaching Improvement Grant. Incorporation of interactive video technology in the teaching of ichthyology laboratories. (\$1,600).
- 1991-1992 Ehlinger, T.J. UWM Graduate Research Committee Award. Genetic divergence and evolutionary ecology of bluegill sunfish. (\$8,792).
- 1989-1990 Ehlinger, T.J. National Science Foundation Fellowship in Environmental Biology. BSR 8821274. The relationship between foraging and reproductive alternatives in bluegill sunfish. (\$42,000).

F. Graduate Student Theses and Dissertations

Doctoral Students

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|----------------|------------|---|
| Matt Dellinger | 2012 (est) | <i>Patterns, Paradigms and Policies: Using Ecological Approaches to Inform Human Health Risk Assessment.</i> |
| Mark Schmitz | 2011 | <i>Intraspecific variation of Walleye (Sander vitreus) in Ontario, Canada and Lake Winnebago, WI: Ecological Consequences of Differences in Life History, Color and Morphology.</i> |

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| Richard Shaker | 2011 | <i>An Investigation of Sustainable Urbanization and Landscape Form: The Republic of Moldova Case Study 9 (Co-advised with Chris DeSousa – Geography).</i> |
| Andrew Fayram | 2005 | <i>Impact of Walleye Stocking on Fish Communities.</i> |
| Pauers, Michael | 2004 | <i>Sexual Selection and the Role of Color in Female Choice in Two Species of African Cichlids</i> |
| Thomas Slawski | 1997 | <i>An Analysis of Biotic and Abiotic Factors Influencing Fish Species Assemblages in a Cold-Water Steam.</i> |

Masters Students

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| Subhomita Gosh Roy | 2012 (est) | <i>Effects of Sequential Treatment Wetlands on Ecotoxicity and Biological Integrity</i> |
| Angela Ortenblad | 2011 | <i>Degradation and Recovery in Wisconsin Watersheds: The Importance of Spatial Scale in Stream Habitat Restoration.</i> |
| Jesse Jensen | 2011 | <i>Sediment Toxicity and the Recovery of Biological Integrity in a Restored Stream Channel.</i> |
| Jennifer Grzesik | 2007 | <i>Effects of Forest Canopy Fragmentation on Ecological Integrity of Streams: A case study comparing Costa Rica and Wisconsin.</i> |
| Danielle Anholzer | 2006 | <i>Temperature Dependent Metabolic Responses to Dissolved Oxygen Fluctuations in Creek Chub (Semotilus Atromaculatus).</i> |
| Kathy Hoverman | 2005 | <i>Using Simulation Models for Predicting the Quality and Quantity of Fish Habitat in Relation to Flow in Restored Urban Streams.</i> |
| Tricia Benson | 2005 | <i>Effects Of Shading On The Macroinvertebrate Community And Algal Productivity In A Restored Stream.</i> |
| Elizabeth O'Grady | 2004 | <i>Individual-based Physiological Indicators of Anthropogenic-induced Stressors in Creek Chub, Semotilus atromaculatus</i> |
| Chemine Jackels | 2004 | <i>Population genetics of the longear sunfish in Wisconsin in relation to habitat quality, population size, and isolation.</i> |
| Fay Meyer | 2001 | <i>Community Structure and changes in invertebrates species in a restored trout stream.</i> |
| Brian Berner | 2001 | <i>Habitat Relationships and Competition between Brook Char and Brown Trout in Wisconsin Rivers</i> |
| Ken Walz | 1998 | <i>Physiological Differences among River and Lake Populations of Bluegill Sunfish.</i> |
| Algis Byla | 1997 | <i>Metabolic Constraints and Habitat Selection in Stream Fishes.</i> |
| Laura Stremick | 1996 | <i>Status and factors influencing the success of the longear sunfish, a threatened species in Wisconsin</i> |
| Daniel Treloar | 1994 | <i>Morphometric and genetic divergence of walleye stocks from Lake Winnebago, Wisconsin.</i> |
| Anna Ciecka | 1994. | <i>Sexual dimorphism in the Felidae: an analysis of cranial characters among sixteen species.</i> |

G. Memberships in Professional Societies and Service:

Ecological Society of America

Society for Ecological Restoration

Water Environment Federation

Balkan Environmental Associate (B.EN.A). Member of the International Advisory Committee

American Fisheries Society

Member of the Wisconsin Natural Areas Preservation Council (1999 – present)

UWM representative on National Association of Land Grant Universities and Colleges – Ecology and Sustainability Section (1999 – present).

H. Awards and Honors:

- 2007 Brunner Award for excellence in urban design. Awarded in association with the Brady Area Foundation for Art and Education (BAFAE) for work on the “RiverPulse” video art project under the Holton Street Bridge.
- 2003 The *Henry C. Greene Award for Innovative Approaches to Restoration* from the Aldo Leopold Society, in recognition of work done on Allenton Creek (Co-recipient with James Reinartz)