

Ana B. Locci. Ph.D.

Case Western Reserve University
University Farm
37125 Fairmount Blvd. Hunting Valley, Ohio 44022
Office: (216) 368-0274
Email: ana.locci@case.edu

ACADEMIC ACHIEVEMENTS

B. S. Universidad Simón Bolívar, Caracas, Venezuela. Biology-Ecology. October 1981.
Fenología y Partición de Biomasa en Gramíneas Nativas e Introducidas: *Axonopus pulcher*
(Ness) Kuhl. y *Melinis minutiflora* Beauv. [Dr. Zdravko Baruch, Advisor]

M. S. Case Western Reserve University, Cleveland, Ohio. Major: Aquatic Ecology. May 1985.
Zooplankton Communities of the Mackenzie River Delta Lakes. [Dr. Mitsuo Teraguchi, Advisor]

Ph.D. Case Western Reserve University, Cleveland, Ohio. May 1988. Comparative Study of
the Response of Simulated Temperate and Tropical Fish Communities to Fishery Exploitation
and Environmental Variability. [Dr. Joseph Koonce, Advisor]

PROFESSIONAL EMPLOYMENT

July 2000- Present: **University Farm Director**, Squire Valleevue and Valley Ridge Farms.
Manage the Farm operations, personnel, and finances. Provide leadership in cooperation with
the Farm Committee to expand utilization of the Farm's resources in accordance with the
strategic plans of the University. Case Western Reserve University, Cleveland Ohio.

July, 2002-Present: **Adjunct Assistant Professor in the Department of Biology**, Case
Western Reserve University. Undergraduate and graduate courses.

September 1992- June, 2002: **Adjunct Instructor in the Department of Biology**, Case
Western Reserve University.

September 1991- June, 2002: **Senior Research Associate in the Department of Biology**,
Case Western Reserve University. Cleveland, Ohio. Computer and Statistic Data Analysis.
Project: Study of Fatal Injuries in Cuyahoga County, Ohio.

Summer 1996-2008: **Coordinator and Instructor of the Summer Ecology Course for High
School and Middle School Teachers** (Biol 802) at Squire Valleevue Farm, Hunting Valley.
Sponsored by the Department of Biology and the Howard Hughes Out-Reached Community
Program, Case Western Reserve University. Cleveland, Ohio.

January 1996-July 2000: **Modeler**. Lake Erie Ecological Modeling (LEEM). Project:
Development of the Lake Erie Ecosystem Model. Sponsored by the Environmental Protection
Agency (EPA). Department of Biology, Case Western Reserve University. Cleveland, Ohio.

January 1995-1996: **Modeler**. Lake Erie Ecological Modeling Project: Development of a
Prototype Model for the Lake Erie Ecosystem. Sponsored by the International Joint

Commission of the Great Lakes. Department of Biology, Case Western Reserve University. Cleveland, Ohio.

August 1988- August 1992: Teaching Instructor in the Department of Biology, Case Western Reserve University

January 1990-December 1992: Project Coordinator. Home Safety Project: Study of Risk Factors in the Home (Case-Control Study). Department of Biology, Case Western Reserve University. Cleveland, Ohio.

November 1988-August 1991: Research Associate in the Department of Biology, Case Western Reserve University. Cleveland, Ohio. Computer Data Analysis: Study of Fatal Injuries in Cuyahoga County.

PUBLICATIONS

1. **Hernandez, A. B.** 1981. Fenología y Partición de Biomasa en Gramíneas Nativas e Introducidas: *Axonopus plucher* (Nees) Kuhl. y *Melinis minutiflora* Beauv. Trabajo Especial de Grado (Undergraduate Thesis). Universidad Simón Bolívar. Caracas, Venezuela.
2. **Hernandez, A. B.**, G. Montilla, and Z. Baruch. 1983. Fenología y Repartición de Biomasa en Gramíneas Nativas e Introducidas en la Cordillera de la Costa. Informe Final. Proyecto S1-1135. CONICIT. Caracas, Venezuela.
3. **Locci-Hernandez, A. B.** 1985. Zooplankton and Community Structure of the Mackenzie River Delta Lakes. Master Thesis. Case Western Reserve University. Cleveland, Ohio.
4. **Locci-Hernandez, A. B.**, J. Koonce, D. Novoa, y F. Ramos. 1987. Análisis de la Comunidad de Peces del Lago de Guri, como ejemplo de un Ecosistema Acuático Tropical y sus Alternativas de Uso para la Producción Piscícola. Informe resumido del Taller de Trabajo efectuado durante el 7 Al 17 de Julio de 1987. Gerencia General del Desarrollo Agrícola. Corporación Venezolana de Guayana. Venezuela.
5. **Locci-Hernandez, A. B.**, J. Koonce, D. Novoa, and F. Ramos. 1987. Feasibility of developing a fish community model of Lake Guri, Venezuela. Technical Report of Data analysis and Model Development Workshop. Corporacion Venezolana de Guayana. Ciudad Bolivar. Venezuela.
6. **Locci-Hernandez, A. B.** 1988. Comparative Study of the Response of Simulated Temperate and Tropical Fish Community to Fishery Exploitation and Environmental Variability. Ph. D. Dissertation. Case Western Reserve University. Cleveland, Ohio.
7. Zdravko B., **A. B. Hernandez**, y M. Montilla. 1989. Dinámica del crecimiento, fenología y repartición de biomasa gramíneas nativas e introducidas de una sabana neotropical. *Ecotropicos*. Vol. 2(1): 1-13.
8. Kellerman A., F. Rivara, N. Rushforth, J. Banton, D. Reay, J. Francisco, **A. B. Locci**, J. Prodzinski, B. Hackman and G. Somes. 1993. Gun Ownership as a Risk Factor for Homicides in the Home. *The New England Journal of Medicine*. Vol 329(15) 1084-1091.

9. Koonce J. F. and **A. B. Locci**. 1995. Lake Erie Ecological Modeling Project Phase I. International Joint Commission. Final Report on the Development of a Prototype Model for the Lake Erie Ecosystem.
10. Koonce J. F. and **A. B. Locci**. 1996. Lake Erie Ecological Modeling Project Phase II International Joint Commission. Final Report on the Development of a Prototype Model for the Lake Erie Ecosystem.
11. Koonce J. F., **A. B. Locci** and R. Knight. 1999. Contributions of Fishery Management to Changes in Walleye and Yellow Perch Population of Lake Erie. W.W. Taylor [ed.]. Great Lakes Fishery Policy and Management: A Binational Perspective, pp 397-416. Michigan State University Press.
12. **Locci A. B.** and J.F. Koonce. 1999. Theoretical Analysis of Food Web Constraints on Walleye Dynamics in Lake Erie. M. Munawar , T. Edsall and I. F. Munawar (eds.) . State of Lake Erie (SOLE), Past , Present and Future, pp. 497-510 Ecovision World Monograph Series. Backhuys Publishers.
13. Koonce, J. F. and **A. B. Locci**, "Resolution of Issues of Scope and Detail in the Development of the Lake Erie Ecological Model." In Tulen, Lisa [ed.]. Proceedings of the Lake Erie Modeling Summit, 1999, International Joint Commission, Windsor, Ontario.
14. Lalumandier J.A., L.C. Hernandez and **A. B. Locci**. 2000. Survey of all water plants operators who fluoridate drinking water in Ohio. The Ohio Journal of Science. Volume 100, Issue 2.
15. Lalumandier J.A.,L.C. Hernandez and **A. B. Locci**. 2001. U.S. Drinking Water: Knowledge level of water plant operators who fluoridate. Journal of Public Health Dentistry. Volume 61, Issue 2, pages 92–98, June 2001.
16. Anderson, R.A., B.F. Hobbs, J.F. Koonce, and **A.B. Locci**, "Using Decision Analysis to Choose Phosphorus Targets for Lake Erie," Environmental Management, 27(2), Feb. 2001, 235-252.
17. University Farm: Squire Valleevue and Valley Ridge Farms Annual Reports 2000-2010. **Ana B. Locci**. Annual report on educational, research and recreational programs, finances and operations.
18. Farm Spring Newsletter 2009-2010. **Ana B. Locci**. Annual newsletter describing the CWRU University Farm educational, and research programs.
19. **Ana B. Locci** and Chris Bond. August 2011. Case Western Reserve University: Squire Valleevue and Valley Ridge Farms. The Campus History Series. Arcadia Publisher. P 128.

PRESENTATIONS

Locci-Hernandez, A. B. Lake Erie Community: Simulation Analysis of Western Basin Recovery, 1960-1982. Twenty-eighth Ohio fish and Wildlife Conference. February 1988. Columbus, Ohio.

Novoa D., J. Koonce, F. Ramos, and **A. B. Locci-Hernandez**. 1987. Evaluación del Potencial Pesquero del Lago de Guri, Venezuela. Estrategias de ordenamiento pesquero. Taller de Enfoques Integrados para el Estudio de Lagos y Reservorios como base para sugestión. Santiago de Chile, 28 de Septiembre a 12 de Octubre de 1987.

Locci-Hernandez, A. B. and J. Koonce. Comparative study of the response of simulated temperate and tropical fish communities to fishery exploitation. Fiftieth Midwest Fish and Wildlife Conference. December 4-to 7, 1988. Columbus, Ohio.

Locci-Hernandez, A. B. and J. Koonce. Theoretical Analysis of Constraints on Walleye Rehabilitation in Lake Erie. Twenty-ninth Ohio Fish and Wildlife Conference March, 1989. Columbus, Ohio. "Best Fisheries Paper Award" by the Ohio Chapter of the American Fisheries Society

Koonce, J. K. and **A. B. Locci-Hernandez**. A decision support system for the integrated management of sea lamprey. Great Lakes Fishery Commission. Ann Arbor, Michigan. April 1989.

Koonce, J. K. and **A. B. Locci-Hernandez**. Understanding and Communicating Limits to Walleye Rehabilitation in the Great Lakes. Presented in the American Fisheries Society Symposium August, 1990. Pittsburgh, Pennsylvania.

Locci-Hernandez, A. B. Modeling of Fish Community in Lake Erie. Workshop to Foster Cooperative Study of Key Issues in the Aquatic Ecology of Lake Erie. April 1994. Sponsored by the Ontario Ministry of Natural Resources. Port Dover, Ontario, Canada.

Locci A. B. and J.F. Koonce. 1996. Theoretical Analysis of Food Web Constraints on Walleye Dynamics in Lake Erie. International Association for Great Lakes Research. Erindale College, University of Toronto May 26-30, 1996.

Koonce J.F. and **A. B. Locci**. 1996. Lake Erie Ecological Modeling Project: Contribution of Models to Understanding Change in Lake Erie. International Association for Great Lakes Research. Erindale College, University of Toronto, May 26-30, 1996.

Locci A. B. and J.F. Koonce. 1998. Effects of Ecosystems Constraints on Single-Species Quota Management in Lake Erie. International Association for Great Lakes Research. McMaster University, Hamilton, Ontario, Canada May , 1998.

Anderson, R.A., W. Wang, B. F. Hobbs, J. F. Koonce and **A. B. Locci**. Analysis of alternative Phosphorus Loading for Lake Erie Under Uncertainty and Multiple Ecosystem Objectives. International Association for Great Lakes Research. McMaster University, Hamilton, Ontario, Canada. May 1998.

Locci A. B. and J.F. Koonce. 1999. Insensitivity of Lake Erie Walleye Biomass to Changes in Phosphorus Loading. International Association for Great Lakes Research. Case Western Reserve University May, 1999.

Koonce J.F. and **A. B. Locci**. 1999 Resolution of Issues of Scope and Detail in the Lake Erie Ecological Model. International Association for Great Lakes Research. Case Western Reserve University. May , 1999.

Anderson R.M., Hobbs B. F, J. F. Koonce and **A. B. Locci**. 1999. Phosphorus Management Tradeoffs and Risks in Lake Erie. International Association for Great Lakes Research. Case Western Reserve University. May, 1999.

Hobbs B., W. Wang, R. A. Anderson, J. F. Koonce and **A. B. Locci**. 2000. Lake Erie Fisheries Management Under Lower Trophic Level Uncertainty: A Decision Analysis of Research Options. International Association for Great Lakes Research. Cornwall, Ontario, Canada. May 2000.

Ana B. Locci and Chris Bond. August 2011. Case Western Reserve University: Squire Valleevue and Valley Ridge Farms. The Campus History Series. Arcadia Publisher. P 128.

Kenneth Kutina and **Ana B. Locci**. 2013. Analyzing Whether a College/University Should Drill for Natural Gas on its Property. Planning for Higher Education Journal (in printing)

TEACHING ACTIVITIES

- Principle of Ecology Lab (BIOL 351L/451L) (2004-2006)
- BIOL 216 (Spring 2011)
- Quantitative Biology Lab (BIOL 315/415) (1992-2006)
- Seminar in Experimental Biology
- Field Biology Lab (BIOL 311) (1992-2006)
- Summer Ecology Course for Teachers (BIOL 802) (1996-2008)
- Environmental Sculpture (BIOL 312). (2004-2006)
- Continuing Education Courses: 2001-present
 - Biodiversity at the Farm
 - Nature Walks
 - Farm History
 - Introduction to Computers
- Seminar in Behavior of Violence
- School Visitation Program (2001-present)
- Capstone Project Supervisor

UNDERGRADUATE RESEARCH PROJECTS SUPERVISED

1. Study of Violent Deaths in Cuyahoga Country from 1958-1992 in collaboration with Dr. Norman Rushforth. Supervised 13 undergraduate research project project .1993-2000. Students: Yorke, C; Gellert, D.; Lin, J.; Jain, V; Kondapalli, L.; Castro, P; Steiner, C.; Angerman E. ; Filgor A. Weber, A.; Cline, J; Miller, J.; Ithiut, I.
2. Fields, J. Summer 2001. Age Factor and Survival, Evaluation of Aging Method on Trees at Squire Valleevue Farm, Hunting Valley, Ohio. Department of Biology, Case Western Reserve University. Cleveland, Ohio. ***
3. Josh Lostroh. Summer 2009. Installation and Environmental Impact of a Research Wind Turbine at CWRU's Outdoor Teaching and Research Campus: University Farm. SURES. Department of Biology, Case Western Reserve University. Cleveland, Ohio. ***
4. Aaron Hickman. Summer 2010. Energy and Sustainability at the Squire Valley Farm Food Program. SURES. Department of Biology, Case Western Reserve University. Cleveland, Ohio. ***
5. Aaron Hickman. Fall 2010. Energy Consumption and Analysis of Food Production at the CWRU Farm. Capstone Project. Department of Biology, Case Western Reserve University. Cleveland, Ohio.

6. Daisy Ramirez. Summer 2010. Study of geographical distribution of native and invasive forbs species at the University Farm. SPUR. Department of Biology, Case Western Reserve University. Cleveland, Ohio. ***
7. Eric Hamilton. Spring 2011. Studying Nutrient Cycles and Soil Amendments in Small-scale Food Production. Capstone Project. Department of Biology, Case Western Reserve University. Cleveland, Ohio. ***
8. Andrea Singer and Kristin Webb. 2010-2011. Effects of a garden-based nutritional intervention on children's knowledge and self-efficacy of fruits and vegetables. Department of Nutrition, Case Western Reserve University. Cleveland, Ohio. ***
9. Eric Hamilton. Summer 2011. Studying Nutrient Cycles and Soil Amendments in Small-scale Food Production. SPURS. Department of Biology, Case Western Reserve University. Cleveland, Ohio. ***
10. Emmanuel Santa. 2011. Study of cover crops as weed controls in small-scale food production. SPURS. Department of Biology, Case Western Reserve University. Cleveland, Ohio. ***
11. Jessica Nuhfer, Emily Jasina, Eva Zimplemann and Erica Pizzolato. Fall 2011. What's on YOUR Plate? Improving Healthy Food Choices and Nutritional Knowledge at CWRU Squire Valleevue Farm. Capstone project. School of Nursing.

*** Scientific style writing papers, filed in the Dept of Biology

TEACHING AWARDS AND HONORS

- **Top Pro. Outstanding Undergraduate Teaching.** Spring 1998. Case Western Reserve University. Cleveland, Ohio.
- **Graduate Assistantship.** September 1987-December 1987 by Department of Biology. Case Western Reserve University. Cleveland, Ohio.
- **International Fellowship.** September 1986-August 1987 by Organization of American States (OAS).
- **International Fellowship.** 1985-1986 academic year by American Association of University Women Educational Foundation (AAUW).
- **Graduate Assistantship.** Sep. 1983- May 1984 by Department of Biology. Case Western Reserve University. Cleveland, Ohio.

COMMITTEES

University Farm Committee Member. 1998- present. Case Western Reserve University. Cleveland, Ohio.

Student Affairs Assessment Committee 2005-present. Case Western Reserve University. Cleveland, Ohio.

Supplier Diversity Initiative Council 2007-present. Case Western Reserve University. Cleveland, Ohio.

Life Long Learning Committee 2009-present. Case Western Reserve University. Cleveland, Ohio.

**FUNDING ACTIVITIES AS FARM DIRECTOR:
GRANTS, GIFTS AND PROGRAMS**

1. University Farm Teaching Facility Updates. Stone Flora Mather Alumnae Association \$ 1,500. November, 2000.
2. School Visitation Program to the University Farm. Dolphin Foundation \$25,000. October, 2001
3. University Farm Maps System Updates. Stone Flora Mather Alumnae Association \$ 1,260. November 2001.
4. Repairs of the Valley Ridge Farm Horse Barn. Mrs. Ellen Chinn, \$85,000. September, 2001
5. Interpretive Trail Guides Update. Dr. Richard Boyatzis. \$5,000. December 2001.
6. Repairs of the Valley Ridge Farm Horse Barn. Mrs. Ellen Chinn, \$57,000. September 2002.
7. Farm Director discretionary fund, private donor, \$60,000. 2002-2008
8. University Farm Pink Pig facility Updates. Stone Flora Mather Alumnae Association \$ 1,500. November 2002.
9. Construction of Pedestrian Bridge by the Farm Trail. Dean office. CWRU School of Engineer. \$1,000
10. School Visitation Program to the University Farm. Dolphin Foundation \$15,000. October, 2002
11. School Visitation Program to the University Farm. Dolphin Foundation \$10,000. October, 2003
12. Repairs of the Valley Ridge Farm Horse Barn. Mrs. Ellen Chinn, \$15,000. September 2004.
13. Repairs of the Valley Ridge Farm Horse Barn. Mrs. Elizabeth Sedwick, \$10,000. September 2004.
14. Repairs of the Valley Ridge Farm Horse Barn. George Garretson Wade Trust, \$51,000 Oct 2004
15. Farm History display project, private donors \$2,400 winter 2004
16. Farm Trail repairs. SCH Foundation, \$15,000 2004-2005
17. Squire Valleevue Farm. Debra Ann November Research Greenhouse Mr. and Mrs. Mort November \$200,000 , May 2005
18. Farm Summer Student Endowment, 2006 private donor pledge \$50,000
19. Farm Discretionary fund. Private Donor, \$12,000. 2006. Squire Farm Main Barn windows and door replacement.
20. University Farm Endowment. Private donor, \$10,000. Spring 2007
21. University Farm Endowment. Private donor, \$5,000. Fall 2007
22. Squire Valley View Farm. Mather Teaching Lab, Flora Stone Mather Alumnae Association \$100,000. Spring 2008
23. Farm Summer Program, Flora Stone Mather Alumnae Association \$50,000. Spring 2008
24. Valley Ridge Farm, Silo Barn Restoration Annuity, \$100,000. Spring 2009
25. Valley Ridge Farm, Silo Barn Restoration Annuity, \$100,000. Spring 2010
26. Farm Bench Dedication program, \$34,000. 2002-present
27. Farm Annual Fund, \$29,000. 2005-present
28. Valley Ridge Farm. George Garretson Wade Trust, \$5,000. Spring 2010.
29. Farm History Book. Private Donor. \$25,000. Summer 2010.

30. Valley Ridge Farm: Grape Arbor. Private Donor. Restoration \$19,000. Summer 2010.
31. Valley Ridge Farm Silo Theater. Hershey Foundation \$25,000. Spring 2010.
32. Farm Food Program. Bon Appetite Corporation, \$6,000. 2010.
33. University Farm Endowment. Private donor, \$10,000. December 2009.
34. University Farm Endowment. Private donor, \$5,000. December 2010.
35. Farm Tree Dedication Program. \$1,000. Fall 2010.
36. Cleveland Garden Club Grant \$750. June 2010.
37. Farm Food Program. Bon Appetite Corporation, \$6,000. 2011.
38. University Farm Endowment. Private donor, \$5,000. December 2011.

EDUCATIONAL INITIATIVES IMPLEMENTED

1. Farm School Visitation Program: Develop a local school visit program high school and middle school students and their sciences teachers on local terrestrial and aquatic ecology. Over 6,000 local grade students have participated in the program since its implementation. 2001-present.
2. Facilitate construction and fund raising of farm trail pedestrian bridge by the CWRU school of Civil Engineering 2003.
3. Facilitated high speed wireless connection to the four of the Farm teaching and research buildings. Campus IT services. 2007.
4. Farm Food Program: Develop small scale food production program to increase the educational and research activities. 2009-present.
5. Student visiting program with University of Puerto Rico. 2006-present. Howard Hughes Program.
6. Prairie Restoration Program: Restore 5 acres of native grassland species to increase the native forbs population and to research and teach. 2006-present. Private Donation.
7. Farm Harvest Festival: Organized an educational event for students, faculty, staff and alumni to teach about local food production. 2010-present.
8. Bluebird Restoration Program: Conservation program to increase the bird population on site while providing new opportunities for teaching and research on cavity nesting bird species. 2002-present.

OTHER LANGUAGES

Fluent in Spanish

COMMUNITY

Rocky River Education Foundation Board of Trustees member. Program Chair 2005-2011.
Rocky River Education Foundation Board of Trustees. Honorary member 2011-present

Cleveland, 2013.