

CURRICULUM VITAE

Robert W. Kingsolver

Dean and Director
Center for Regional Environmental Studies
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EDUCATION

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| Doctorate of Philosophy
<i>University of Kansas</i>
Graduate study of ecology, evolutionary biology, and bio-statistics
Dissertation topic: Pollination ecology and demography of a High Plains perennial plant | 1984 |
| Master of Science
<i>Vanderbilt University</i>
Graduate study of general biology
Thesis topic: Field research in plant/insect ecology | 1977 |
| Bachelor of Science
<i>Centre College</i>
Major in biology. Areas of competence in biochemistry and English | 1975 |
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ADMINISTRATIVE EXPERIENCE

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| Dean and Director
School of Environmental Studies
<i>Bellarmino University, Louisville, KY</i> | July 2009-present |
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Academic Leadership—Environmental Studies

- As founding dean, I was tasked in 2009 with development of a School of Environmental Studies, to offer undergraduate majors in Environmental Studies and Environmental Science. BA and BS degrees were approved under the new department in Spring 2010, and our first cohort of majors enrolled in Fall 2011.
- Among the sustainability projects we have completed are development of a one-acre fruit and vegetable garden maintained on campus by and for Bellarmine students, and building a grant-funded composting facility for the campus gardens. Outreach efforts include writing a successful grant application to NASA for a climate conference staged on campus in fall 2012, and hosting a series of environmental speakers for the Louisville community.

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| Dean of Arts and Sciences
<i>Bellarmino University, Louisville, KY</i> | July 2004-June 2009 |
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Responsibilities in the College of Arts and Sciences

- I provided administrative oversight and assistance to 75 full-time faculty, and a similar number of part-time faculty, housed in 15 academic departments, serving over 1000 students majoring in Arts and Sciences disciplines, and delivering General Education courses to all undergraduates at the University.
- During my term as Dean, the College of Arts and Sciences revised its General Education objectives and added the school's first foreign language requirement for

BA degrees. I worked closely with the faculty to develop a standard system for departmental assessment and adopted a new approach to faculty evaluation. We added new academic programs in Biochemistry & Molecular Biology, Theatre, Physics, and Global Languages, revived the Arts Administration program, added an interdisciplinary minor in Peace Studies reorganized administration of Computer Science programs, and spun off a School of Communication. During this time we also enhanced expectations and support for faculty scholarship, reduced the teaching load, instituted regular orientation and training for part-time faculty, and formed a school-based panel for pre-law advising.

Responsibilities for University accreditation.

- I was appointed Chair of our University Accreditation Steering Committee (Summer 2006), charged with compliance certification for re-affirmation of accreditation through the Southern Association of Colleges and Schools.
- I was appointed Working Group Chair of Bellarmine's Quality Enhancement Plan (Summer 2006), a transformative University-wide project required for accreditation by the Southern Association of Colleges and Secondary Schools. In that capacity, I led faculty, staff and students to consensus on a plan to enhance international education in the years 2008-2013, and wrote the preliminary draft of the institutional report.

Department and Program Direction

1999-2004

Kentucky Wesleyan College

Biology Department Chair (1999-2004)

- During my term as Chair, the department became an affiliate (Fall 2000) with the University of Louisville in an \$164,000 NIH-funded research development program, and received \$100,000 in equipment grants from NSF (Fall 2001).
- I also oversaw the addition of a cell/developmental biologist to our faculty, the development of new research space, and a substantial revision of our curricula for B.A. and B.S. degrees.

Environmental Science Program Director (1995-2004)

- I directed a pre-professional program in environmental sciences at Kentucky Wesleyan College. Dr. Henry Connor and I received NSF seed funds to develop this interdisciplinary program, involving the Biology, Chemistry, and Political Science departments, which prepared students for graduate work in environmental science and environmental management. I also collaborated with Dr. David Oetinger in a successful NSF proposal to develop a capstone course in environmental assessment.

TEACHING EXPERIENCE

Professor of Biology

2004-present

Bellarmino University

While serving as Dean of the College of Arts and Sciences, I also hold a tenured position as Professor of Biology. In that role, I have taught one course each semester.

- Instructed courses in Honors Freshman Seminar, Senior Seminar, and Ecology and Environmental Science courses for our Biology department. Student evaluations of my teaching (SUMMA standardized assessment) have consistently generated mean scores significantly higher than national norms.
- Since Bellarmine's Environmental Studies department was formed in Fall 2021, I have taught the senior-level Ecology course and field courses for its majors.

- Served as honors thesis reader and as mentor for undergraduate student research projects in field biology (2006-2013).

Biology Faculty

1989-2004

Kentucky Wesleyan College

At Kentucky Wesleyan College, I served as Assistant Professor from 1988 to 1991, Associate Professor from 1991-1997, and Professor of Biology from 1997-2004. During this time, I carried a 12-hour course load each semester, participated in research infrastructure development, served for 5 years as Department Chair, and was actively engaged in faculty governance.

- My teaching responsibilities included introductory biology for non-majors, introductory biology for majors, botany, genetics, ecology, evolution, environmental science, and seminar courses for majors. I prepped and taught the laboratory sections for these courses as well.
- As an advisor, I counseled about ten biology majors each year, and served over ten years as a member of the Allied Health Advisory Committee for pre-professional students aspiring to careers in medicine, dentistry, allied health, and veterinary sciences.
- In May 2000, my work was recognized with the President's Award for Teaching Excellence and Campus Leadership.

Biology Faculty

1984-1988

Missouri Valley College

- Assistant Professor (1984-88)

I was responsible for courses in ecology, environmental science, evolutionary biology, genetics, botany, horticulture, microbiology, and general biology. I also served as the institution's faculty athletic representative, and advised the Sigma Zeta science club and organized an International Students' Organization.

RESEARCH INTERESTS

My primary scholarship is in the area of science education. Twenty five years of developing exercises for college-level ecology and environmental science courses led to publication of an ecology laboratory textbook in 2006.

My field research has been designed to include undergraduate student participants and has focused on local problems, acknowledging the need to blend research activities with extensive teaching and administrative responsibilities.

- Biodiversity of leaf litter arthropod communities in coniferous vs. deciduous forest in Central Kentucky (With Kyle Hollis, 2007-08).
This field study of invertebrate communities collected from adjacent forest tracts identified differences in species diversity and community structure among habitats within the Creasey-Mahan Nature Preserve.
- Impact of woody vines on growth rate in white ash trees (With Laura Lund, 2006-07.)

This pilot study showed that woody vines negatively affect tree growth rates, based on xylem-ring measurements and field observations.

- Botanical Survey of Creasey-Mahan Nature Preserve (2002-03)
I worked for two summers as a consultant to a non-profit nature preserve in Oldham County Kentucky, conducting a botanical survey, and developing educational materials for the Preserve's museum and public outreach programs.
- Taxonomy and Ecology of Spring Flora of Audubon State Park (1999-2000)
This sabbatical project began as a floristic survey of John James Audubon State Park in Henderson, Kentucky, and continued with studies of temporal niche partitioning in spring ephemeral species in other sites.
- North Panther Watershed Project (1995-2000)
This EPA-funded research, conducted in cooperation with the Daviess County Natural Resources Office and Dr. Henry Connor of the KWC Chemistry Dept., monitored agricultural impacts in the Panther Creek watershed using immunoassay for herbicides, turbidimetric analysis of silt runoff, and invertebrate bio-indicators of water quality in the stream.

PROFESSIONAL AND COMMUNITY SERVICE

Professional Organizations

Kentucky Conservation Committee (2012-present)

I was appointed to the KCC governing board in Summer 2012. This organization advises the governor's office and state legislature on pending environmental issues.

Bingham Fellow, Leadership Louisville (2010 and 2013)

As one of 38 Bingham Fellows selected for the 2010 class, I participated in several collaborative efforts intended to make Greater Louisville a more environmentally sustainable city. I joined the Bingham Fellows class of 2013, which addressed food access issues and sustainability of food systems in Greater Louisville.

Kentucky Academy of Science (1991-present)

As President of the Academy in 2004, I initiated a reorganization of the Sections of the Academy to include ecology and environmental science, to include bioinformatics in information sciences, and to combine industrial scientists' meetings with the academic talks. In that year the Academy revised its constitution and funded a new Executive Director position to provide continuity and Board support.

- Board Secretary (2006-present), Board member (2004-05)
- President (2003-04), President Elect (2002-03), Vice President (2001-02)
- Nominations Committee (1998-1999)
- Local Arrangements Committee Co-Chair (2001, 2007).

Sigma Xi Scientific Research Society (2006-present)

I was invited to join Sigma Xi after presenting a program for the Louisville Chapter in spring 2006.

University Press of Kentucky Editorial Board (2008-present)

I serve as Bellarmine's representative to Kentucky's Collaborative University Press.

External Reviewer (2010)

I conducted a comprehensive external review of the Biology degree program for Thomas More College in Fall 2010.

Advisory Committee for Environmental Science Curricula (2004)

Western Kentucky University

A panel composed of academics, government agents, and industrial representatives was invited to advise Western Kentucky University on curricula for a new major in environmental science.

SELECTED PUBLICATIONS

Kingsolver, R.W. 2012. Cost-Benefit Approaches to Campus Sustainability. Keynote address presented to state conference: Campus-Community Partnerships for Sustainability, University of Louisville, Nov. 1.

_____. 2011. Frontier or Village? Recruiting Two American Paradigms to a United Environmental Movement. Keynote address presented to Bluegrass Bioneers conference, University of Louisville, Oct. 23.

_____. 2006. Ecology on Campus: Laboratory Manual. Benjamin Cummings, San Francisco, CA.

_____. 2001. Watershed Watch Report for Lower Green and Tradewater Rivers. Presented to the Kentucky Water Resources Research Symposium, February 23, Lexington, KY.

_____. July 10, 2000. Rose mallow. (First of a series of illustrated natural history articles entitled "Native to this Place.") Owensboro Messenger-Inquirer, Prime supplement. (Subsequent articles have included Goldenrod, fall 2000; Christmas fern, winter 2000; Harbinger of Spring, spring 2001; Jack-in-the-Pulpit, summer 2001; and Doll's Eye, fall 2001.)

_____. 2000. Spatial and temporal variation in triazine and suspended sediments observed in a three-year study of the North Panther watershed. Abstract of presentation to Kentucky Non-point Source Conference, Ky. Division of Water, May 25, Bowling Green, KY.

_____. 1999. Accounting for nature. In: Environmental Issues (Robert McClenaghan, editor), Salem Press, Pasadena, CA.

_____. 1999. John James Audubon. In: Environmental Issues (Robert McClenaghan, editor), Salem Press, Pasadena, CA.

_____. 1999. Killer bees. In: Environmental Issues (Robert McClenaghan, editor), Salem Press, Pasadena, CA.

_____, and D.F. Oetinger. 1998. Undergraduate research at Kentucky Wesleyan College: a developmental approach. Journal of the Kentucky Academy of Science 59 (1):15.

_____, H.D. Connor and B.O. Statton. 1997. Assessment triazine and suspended sediments in surface waters of the Panther Creek watershed. Abstract of presentation to Kentucky Nonpoint Source Conference, Kentucky Division of Water, Lexington Kentucky.

_____. 1997. Students need more advanced science, technology education. Owensboro Messenger-Inquirer editorial, 1/19/97.

_____. 1997. Math, science can be taught like music. Owensboro Messenger-Inquirer editorial, 2/28/97.

_____. 1997. Higher education: who is the client? Owensboro Messenger-Inquirer editorial, 3/23/97.

_____. 1992. Bison. In: The Kentucky Encyclopedia (J.E. Kleber, editor), University of Kentucky Press, Lexington, KY.

_____. 1992. Bluegrass. In: The Kentucky Encyclopedia (J.E. Kleber, editor), University of Kentucky Press, Lexington, KY.

_____. 1986. Vegetative reproduction as a stabilizing feature of the population dynamics of Yucca glauca. Oecologia 69:380-387.

_____. 1984. Population biology of a mutualistic association: Yucca glauca and Tegeticula yuccasella. Doctoral dissertation, University of Kansas.

9/26/2013