

## CURRICULUM VITAE

Katherine Carter Ewel  
Professor Emerita  
School of Forest Resources and Conservation  
University of Florida  
Gainesville FL 32611

Winter 2011

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Gainesville FL 32603  
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### PERSONAL

Date of Birth: 30 September 1944  
Place of Birth: Glens Falls, New York  
Home Phone: (352) 373-6035 or (386) 418-0870

### EDUCATION

A.B., 1966, Cornell University (Zoology)  
Ph.D., 1970, University of Florida (Zoology)

### PROFESSIONAL EXPERIENCE

USDA Forest Service, Pacific Southwest Research Station, Institute of Pacific Islands Forestry, Honolulu, Hawaii  
Senior Scientist, 2002-2005; retired in March 2005  
Research Ecologist and Wetlands Team Leader, 1994-2005  
University of Hawaii affiliate graduate faculty appointments: Department of Natural Resources and  
Environmental Management; Department of Botany, Graduate Specialization in Ecology,  
Evolution and Conservation Biology  
Bishop Museum: Distinguished Associate in Research  
University of Florida, School of Forest Resources and Conservation  
Professor Emerita, 2006-present  
Courtesy Professor, 1996-2006  
Assistant Professor, Associate Professor, Professor: 1977-1996 (leave of absence: 1994-1996)  
Interim Assistant Professor and Assistant Research Scientist, 1973-1977  
Affiliate graduate faculty appointments: Department of Environmental Engineering Sciences, Center for  
Latin American Studies  
University of Florida, Department of Botany: Postdoctoral Research Associate and Interim Assistant Professor,  
1971-1973  
Duke University, Department of Zoology: Instructor, 1969-1971

#### Short-term Appointments:

NASA/Ames Research Center, Ecosystem Science and Technology Branch  
National Research Council Fellow, Spring 1986  
University of Cambridge, School of Botany  
Visiting Scholar, Fall 1985  
Cornell University, Ecosystems Research Center  
Visiting Scientist, Spring 1982  
Duke University, Department of Zoology  
Visiting Assistant Professor, Summer: 1972, 1973

PROFESSIONAL SERVICE

*Journal of Aquatic Plant Management*, Associate Editor, 1978

National Science Foundation

Long-Term Ecological Research Program 30-year review team, 2010-present

Panel for Ecosystem Studies, 1980-1983

Panel for Science and Technology Centers, 1989

Long-Term Ecological Research site visit teams, 1989, 1992

Everglades National Park

Water Management Committee, 1983-1985

Vegetation Research Advisory Committee, 1992

Florida Defenders of the Environment

Trustee, 1983-1989

Secretary and Executive Committee member, 1984-1989

Advisor, 1989-1990

Council for International Exchange of Scholars, Screening Committee for Environmental Sciences

Member, 1986-1988

Chair, 1988-1989

Southeastern Forested Wetlands Research Program

Founding Board, 1987-1989

Steering Committee, 1992-1994

*Wetlands Ecology and Management*, Board of Editors, 1988-2008

NASA Interdisciplinary Evaluation Panel, 1988

Ecological Society of America

Committee on Women and Minority Affairs, 1988-1991

*Ecological Applications* Editorial Board, 1989-1993, 1997-2000

Program Committee, 1989-1992

Program Chair, 1990-1992

Future Meetings Committee, 1990-1995

Sustainable Biosphere Initiative Steering Committee, 1994-2000

Student Awards Subcommittee, 1995

Florida Forestry Association, Environmental Committee, 1989-1994

U.S. Army Corps of Engineers, Depressional Wetlands Assessment Group, 1992-1993

Savannah River Ecology Laboratory, Division of Wetland Ecology, Program Review Committee, 1994

American Institute of Biological Sciences, Board of Directors (elected), 1995-1996

International Union of Forest Research Organisations (IUFRO), Unit S1.07.08: Ecology and Management of Tropical Forested Wetlands

Co-chair, 1994-1995

Chair, 1996-2001

Landcare Research, New Zealand, Division of Biodiversity and Conservation, Review of Wetlands Programme, 1997

Hawaii Conservation Alliance (formerly Secretariat for Conservation Biology) Advisory Group

Forest Service representative, 1995-2005

Chair, 1995-1996, 2001

Hawaii Department of Health Interagency Wetlands Policy Workgroup, 1998-1999

Coastal America, Forest Service representative for Hawaii, 1999-2005

Pew Fellows Program in Marine Conservation, nominator, 2000

National Center for Ecological Analysis and Synthesis, Scientific Advisory Board, 2000-2003

US National Committee on the Pacific Science Association

Member, 2000-2003

Chair, 2003-2005

*Ecosystems* Editorial Board, 2001-2006

PROFESSIONAL SERVICE (cont.)

Society for Wetland Scientists

Committee on International Cooperation, 1995-2002.

Vice-president, 2003-2004

President, 2004-2005

Past-president, 2005-2006

Marine Protected Areas Federal Advisory Committee, *ex officio* Forest Service representative, 2004 – 2005.

International Council for Science (ICSU) Scoping Group on Natural and Human-Induced Hazards, 2005

Suwannee River Water Management District Land Management Review Team, 2005-present

Envisioning the Future of the Gulf Coast: Using Engineering and Science to Protect Communities, the Economy, and the Ecosystem, technical participant. 2006.

National Institute for Climate Change Research – Coastal Center, reviewer, 2006-2010

Griffith University, Nathan, Queensland, Australia, PhD external advisor, 2008

University of Queensland, Brisbane, Queensland, Australia, PhD external advisor, 2011

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Ecological Society of America

Society for Wetland Scientists

Florida Forestry Association

HONORS

Alpha Zeta Professor of the Year, University of Florida, College of Agriculture, 1979-1980

National Research Council Research Associateship, 1986

School of Forest Resources and Conservation, University of Florida

Teacher of the Year, 1984-1985

Outstanding Thesis Award Supervisor, 1996, 1997

USDA Forest Service Pacific Southwest Research Station

Certificate of Merit for implementation of internship program at Institute of Pacific Islands Forestry, 2002

Certificate of Merit for implementation of 2004 Yap/Typhoon Sudal Research Pulse, 2004

USDA Forest Service Chief's Award for Multicultural Organization, 2002

GRADUATE EDUCATION PROGRAM

Postdoctoral Associates Supervised:

Wendell P. Cropper, Jr., 1981-1984. Soil respiration in slash pine plantations; effects of managed forests on global carbon cycling

Judy Z. Drexler, 1997-1999. Hydrologic relationships between mangrove forests and freshwater forested wetlands in Micronesia

Rodney A. Chimner. 2001-2002. Carbon storage in tropical freshwater forested wetlands.

Ph.D. Students Supervised:

Thomas D. Fontaine. 1978. Community metabolism patterns and a simulation model of a lake in central Florida.

Department of Environmental Engineering Sciences, University of Florida.

Kevin S. McKelvey. 1990. Modeling light penetration patterns through a slash pine (*Pinus elliottii*) canopy. School of Forest Resources and Conservation, University of Florida.

Jayne Brim Box. 1999. Community structure of freshwater mussels (*Bivalvia: Unionidae*) in coastal plain streams of the southeastern United States. School of Forest Resources and Conservation, University of Florida.

Master's Degree Students Supervised: 13 with thesis; 2 non-thesis; Co-chair: 1 with thesis; 2 non-thesis.

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EXTERNAL GRANTS AWARDED (Career total: \$2.4 million)

Baseline studies for evaluating the response of an ecosystem to the introduction of white amur. 1975-1980. Office of the Chief of Engineers, Department of the Army. \$125,269.

Feasibility of utilizing cypress wetlands for conservation of water and nutrients in effluent from municipal wastewater treatment plants. Co-PI with HT Odum. 1976-1980, \$345,030. NSF-RANN and The Rockefeller Foundation.

Adaptation of power plant waters for environmental release: effect of water levels and sulfate on swamp trees. Co-PI with HT Odum. 1978-1980. City of Gainesville Regional Utilities Board. \$12,000.

Ecological adaptations by cypress swamps to treated sewage. Co-PI with HT Odum. 1979-1980. EPA-Corvallis. \$18,577.

Monitoring nutrients, tree growth and ecological indices in a test of wastewater disposal in a cypress stand at Jasper, Florida. Co-PI with HT Odum and PL Brezonik. 1978-1981. Boyle Engineering Corp. subcontract. \$97,692.

Effect of cadmium and sewage wastewaters on cypress strands. Co-PI with HT Odum, PL Brezonik, and G.R. Best. 1979-1981. EPA-Corvallis. \$38,531.

The role of root production and turnover in the cycling of nitrogen and phosphorus in slash pine plantation ecosystems. Co-PI with HL Gholz. 1981-1984. NSF-Ecosystem Studies. \$393,027.

Ability of ecosystems to recycle sewage. 1982-1982. Cornell University Ecosystems Research Center subcontract. \$6,389.

Withlacoochee Cypress Management Study. 1981-1984. USDA Forest Service. \$4,000.

Modeling the carbon cycle in managed forest ecosystems. 1981-1984. Oak Ridge National Laboratory subcontract. \$50,000.

Effects of harvesting cypress swamps on water quality and quantity. 1984-1985. Florida Water Resources Research Center. \$20,000.

Coupling carbon, water, and nutrient cycles for a forested ecosystem. Co-PI with HL Gholz, WP Cropper, Jr., and RO Teskey. 1986-1990. NSF-Ecosystem Studies. \$899,753.

Impacts of clearcutting on important animal populations in cypress ponds. 1993-1996. USDA/NRICGP Forest/Rangeland/Crop Ecosystem Program. \$175,000.

Characteristics of fringe mangrove swamps. 1995. USDA International Cooperation and Development, Research and Scientific Exchanges Division. \$10,000

Mangrove forests and firewood demand in the Federated States of Micronesia: modeling strategies to decrease environmental impacts. 1998 –2003 Co-PI with BH Singer, RL Naylor, and S Abraham. John D. and Catherine T. MacArthur Foundation. \$193,645.

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**PUBLICATIONS:** Career total: 3 books, 1 software package, 75 journal articles, 35 book chapters, 9 book and meeting reviews, 7 editorials and other commentaries, and 2 extension bulletins.

**Books:**

Ewel, K.C. and H.T. Odum (eds.). 1984. Cypress swamps. University Presses of Florida, Gainesville FL. 472 p.

Antonini, G.A., K.C. Ewel, and H.M. Tupper. 1975. Population and energy: A systems analysis of resource utilization in the Dominican Republic. University Presses of Florida, Gainesville FL. 166 p. & map suppl.

Vogel, S. and K.C. Ewel. 1972. A model menagerie. Thirteen laboratory exercises for introductory biology. Addison-Wesley Publ. Co., Boston, MA. 153 p.

**Software:**

Ewel, K.C. 1989. Simulation of Ecological Models. International Society of Ecological Modelling, Copenhagen, Denmark.

**Articles:**

Ewel, K.C. **2010**. Appreciating tropical coastal wetlands from a landscape perspective. *Frontiers in Ecology and the Environment*.

Ewel, K.C. 2010. Bringing science to remote communities. *Society of Wetland Scientists Research Brief 2010-2001*. 4 p.

Krauss, K.W., D.R. Cahoon, J.A. Allen, K.C. Ewel, J.C. Lynch, and N. Cormier. 2010. Surface elevation change and susceptibility of different mangrove zones to sea-level rise on Pacific high islands of Micronesia. *Ecosystems* 13: 129-143.

Benstead, J.P., J.G. March, C.M. Pringle, K.C. Ewel, and J.W. Short. **2009**. Biodiversity and ecosystem function in species-poor communities: community structure and leaf litter breakdown in a Pacific island stream. *Journal of the North American Benthological Society* 28: 454-465.

Ewel, K.C. 2009. How do wetlands fail? pp. 629-642 IN E. Maltby (ed.). *The Wetlands Handbook*. Blackwell's Publ. Co.

Ewel, K. C., S. Rowe, B. McNaughton, and K. M. Bonine. 2009. Characteristics of *Scylla* spp. (Decapoda: Portunidae) and their mangrove forest habitat in Ngaremeduu Bay, Republic of Palau. *Pacific Science* 63: 15-26.

Bonine, K. M., E. P. Bjorkstedt, K. C. Ewel, and M. Palik. **2008**. Population characteristics of the mangrove crab *Scylla serrata* in Kosrae, Federated States of Micronesia: effects of harvest and implications for management. *Pacific Science* 62: 1-19.

Demopoulos, A.W.J., N. Cormier, K.C. Ewel, and B. Fry. 2008. Use of multiple chemical tracers to define habitat use of Indo-Pacific mangrove crab, *Scylla serrata* (Decapoda: Portunidae). *Estuaries and Coasts* 31:371-381.

Ewel, K.C. 2008. Mangrove crab populations may sometimes be best managed locally. *Journal of Sea Research* 59: 114-120.

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Ewel, K.C. 2008. Social relevance seen for tropical forest research. Meeting review. *International Society of Tropical Foresters Newsletter* 29(4): 7.

Krauss, K.W., B.D. Keeland, J.A. Allen, K.C. Ewel, and D.J. Johnson. **2007**. Effects of season, rainfall, and hydrogeomorphic setting on mangrove tree growth in Micronesia. *Biotropica* 39: 161-170.

Benstead, J.P., J.G. March, B. Fry, K.C. Ewel, and C.M. Pringle. **2006**. Testing IsoSource: stable isotope analysis of a tropical fishery with diverse organic matter sources. *Ecology* 87: 326-333.

Casey, W.P. and K.C. Ewel. 2006. Patterns of succession in forested depressional wetlands in north Florida. *Wetlands* 26: 147-160.

Hauff, R. D., K. C. Ewel, and J. Jack. 2006. Tracking human disturbance in mangroves: estimating harvest rates on a Micronesian island. *Wetlands Ecology and Management* 14: 95-105.

Krauss, K.W., B.D. Keeland, J.A. Allen, K.C. Ewel, and D.J. Johnson. 2006. Effects of season, rainfall, and hydrogeomorphic setting on mangrove tree growth in Micronesia. *Biotropica* 39: 161-170.

Allen, J.A., K.W. Krauss, K.C. Ewel, B.D. Keeland, and E.E. Waguk. **2005**. A tropical freshwater wetland: I. Structure, growth, and regeneration. *Wetlands Ecology and Management* 13: 657-669.

Chimner, R.A. and K.C. Ewel. 2005. A tropical freshwater wetland: II. Production, decomposition, and peat formation. *Wetlands Ecology and Management* 13: 671-684.

Drew, W.M., K.C. Ewel, R.L. Naylor, and A. Sigrah. 2005. A tropical freshwater wetland: III. Direct use values and other goods and services. *Wetlands Ecology and Management* 13: 685-693.

Ewel, K.C. 2005. President's Address. *Bulletin of the Society of Wetland Scientists* 22(1): 4-5.

Ewel, K.C. 2005. President's Address. *Bulletin of the Society of Wetland Scientists* 22(2): 4-5.

Chimner, R. A. and K. C. Ewel. **2004**. Differences in carbon fluxes between forested and cultivated Micronesian tropical peatlands. *Wetlands Ecology and Management* 12: 419-427.

Covich, A.P., K. C. Ewel, R.O. Hall, P. G. Giller, W. Goedkoop, and D. M. Merritt. 2004. Ecosystem services provided by freshwater benthos. pp. 45- 72 IN D.H. Wall (ed.). *Sustaining biodiversity and ecosystem services in soils and sediments. SCOPE Series, vol. 64.* Island Press, Washington, DC.

Ewel, K. C. 2004. President's Address. *Bulletin of the Society of Wetland Scientists* 21(4): 3-4.

Ewel, K. C. 2004. President's Address. *Bulletin of the Society of Wetland Scientists* 21(3): 3.

Giller, P. S., A. P. Covich, K.C. Ewel, R.O.Hall, and D.Merritt. 2004. Vulnerability and management of ecological services in freshwater systems. pp. 137-159 IN D.H. Wall (ed.). *Sustaining biodiversity and ecosystem services in soils and sediments. SCOPE Series, vol. 64.* Island Press, Washington, DC.

Fry, B. and K. C. Ewel. **2003**. Using stable isotopes in mangrove fisheries research - a review and outlook. *Isotopes in Environmental and Health Studies* 39: 191-196.

Ewel, K.C., R.D. Hauff, and T.G. Cole. 2003. Analyzing mangrove forest structure and species distribution on a Pacific island. *Phytocoenologia* 33: 251-266.

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- Gleason, S.M., K.C. Ewel, and N. V. Hue. 2003. Soil redox conditions and plant-soil relationships in a Micronesian mangrove forest. *Estuarine, Coastal and Shelf Science* 56: 1065-1074.
- Pinzón, Z.S., K.C. Ewel, and F.E. Putz. 2003. Gap formation and seedling regeneration in mangrove forests in Micronesia. *Journal of Tropical Ecology* 19: 143-153.
- Gleason, S.M. and K.C. Ewel. **2002**. Organic matter dynamics on the forest floor of a Micronesian mangrove forest: an investigation of species composition shifts. *Biotropica* 34: 190-198.
- Naylor, R.L., K.M. Bonine, K.C. Ewel, and E.E. Waguk. 2002. Migration, markets, and mangrove resource use on Kosrae, Federated States of Micronesia. *Ambio* 31:340-350.
- Allen, J.A., K.C. Ewel, and J. Jack. **2001**. Patterns of natural and anthropogenic disturbance of the mangroves on the Pacific Island of Kosrae. *Wetlands Ecology and Management* 9: 279-289.
- Drexler, J.Z. and K.C. Ewel. 2001. Effects of ENSO-related drought on hydrology and salinity in a Micronesian wetland complex. *Estuaries* 24: 347-356
- Ewel, K.C. 2001. Natural resource management: the need for interdisciplinary collaboration. *Ecosystems* 4: 716-722.
- Ewel, K.C., C. Cressa, R.T. Kneib, P.S. Lake, L.A. Levin, M.A. Palmer, P. Snelgrove, and D.H. Wall. 2001. Managing critical transition zones. *Ecosystems* 4: 452-460.
- Levin, L.A., D.F. Boesch, A. Covich, C. Dahm, C. Erséus, K.C. Ewel, R.T. Kneib, A. Moldenke, M. Palmer, P. Snelgrove, D. Strayer, and J.M. Weslawski. 2001. The function of marine critical transition zones and the importance of sediment biodiversity. *Ecosystems* 4: 430-451.
- Allen, J.A., K.C. Ewel, B.D. Keeland, T. Tara, and T.J. Smith, III. **2000**. Downed wood in Micronesian mangrove forests. *Wetlands* 20: 169-176.
- Ewel, K. C. 2000. Swamps: a valuable resource in jeopardy. p. 43 *In* K. Oliver-Smith (ed.). *The swamp: on the edge of Eden*. Samuel P. Harn Museum of Art, Univ. Fla., Gainesville.
- Ewel, K. C. and E. E. Waguk. **1999**. Understanding and managing mangrove forests in Kosrae, FSM. pp. 58-63 *In* H. T. Tang, S. Bulai, and B. Masianini. *Proceedings of Heads of Forestry Meeting, RAS/97/330, Field Document No. 1, Pacific Islands Forests and Trees Support Programme, Suva, Fiji*.
- Cole, T.G., K.C. Ewel, and N.N. Devoe. 1999. Structure of mangrove trees and forests in Micronesia. *Forest Ecology and Management* 117: 95-109.
- Steele, O.C., K.C. Ewel, and G. Goldstein. 1999. The importance of propagule predation in a forest of non-indigenous mangrove trees. *Wetlands* 19: 705-708.
- Williams, K., K.C. Ewel, R.P. Stumpf, F.E. Putz, and T.W. Workman. 1999. Sea-level rise and coastal forest retreat on the west coast of Florida, USA. *Ecology* 80: 2045-2063.
- Ewel, K.C. **1998**. Maximum power -- the ideas and applications of H. T. Odum [Book review]. *Ecological Economics* 27: 326-327.
- Ewel, K.C. 1998. Pondcypress swamps. pp. 405-420 *In* M. G. Messina and W. H. Conner (eds.). *Southern forested wetlands: ecology and management*. CRC Press, Boca Raton FL.

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- Ewel, K.C., J.A. Bourgeois, T.G. Cole, and S. Zheng. 1998. Variation in environmental characteristics and vegetation in high-rainfall mangrove swamps in Kosrae, Micronesia. *Global Ecology and Biogeography Letters* 7: 49-56
- Ewel, K.C., R.R. Twilley, and J.E. Ong. 1998. Different kinds of mangrove forests provide different goods and services. *Global Ecology and Biogeography Letters* 7: 83-94.
- Ewel, K.C., S. Zheng, Z. Pinzón, and J.A. Bourgeois. 1998. Environmental effects of canopy gap formation in high-rainfall mangrove swamps. *Biotropica* 30: 510-518.
- Casey, W.P. and K.C. Ewel. 1998. Soil redox potential in small pondcypress swamps after harvesting. *Forest Ecology and Management* 112:281-287.
- Krauss, K. and K.C. Ewel. 1998. Tropical forested wetlands research in Micronesia. *Pacific Islands Forests & Trees* No. 3/98: 3, 5.
- Ewel, K.C. **1997**. Summary: research programs. pp. 155-158. Koa: A decade of growth. Hawaii Forest Industry Association, Hilo HI.
- Ewel, K.C. 1997. Water quality improvement by wetlands. pp. 329-344 *In* G. Daily (ed.). *Nature's services: societal dependence on natural ecosystems*. Island Press, Washington DC.
- Leslie, A.J., T.L. Crisman, J.P. Prenger, and K.C. Ewel. 1997. Benthic macroinvertebrates of small Florida cypress ponds and the influence of dry periods. *Wetlands* 17:447-455.
- Ewel, K.C. **1996**. Sprouting by pondcypress (*Taxodium distichum* var. *nutans*) after logging. *Southern Journal of Applied Forestry* 20:209-213.
- Ewel, K.C. **1995**. Conifer ecology [Book review]. *Trends in Ecology and Evolution* 10: 343.
- Ewel, K.C. 1995. Fire in cypress swamps in the southeastern United States. pp. 111-116 *In* S. I. Cerulean and R. T. Engstrom (eds.) *Fire in wetlands: a management perspective*. Proceedings of the Tall Timbers Fire Ecology Conference No. 19. Tall Timbers Research Station, Tallahassee FL.
- Knight, D.H., J. Vose, V.C. Baldwin, K.C. Ewel and K. Grodzinska. **1994**. Contrasting patterns in pine forest ecosystems. *In* H.L. Gholz, S. Linder, and R. E. McMurtrie (eds.) *Environmental constraints on the structure and productivity of pine forest ecosystems: A comparative analysis*. *Ecological Bulletins (Copenhagen)* 43: 9-19.
- Ewel, K.C. **1993**. Conservation in progress [Book review]. *Water Resources Bulletin* 29:326-328.
- Javanshir, K. and K.C. Ewel. 1993. Salt resistance of bald cypress. pp. 285-291 *In* H. Lieth and A. A. Masoom (eds.). *Towards the rational use of high salinity tolerant plants*, Vol. 2. Kluwer Academic Publ., The Netherlands.
- Ewel, K.C. and H.T. Davis. **1992**. Response of pondcypress (*Taxodium distichum* var. *nutans*) to thinning. *Southern Journal of Applied Forestry* 16:175-177.
- Ewel, K.C. and J.E. Smith. 1992. Evapotranspiration from Florida pondcypress swamps. *Water Resources Bulletin* 28:299-304.
- Cook, S. and K.C. Ewel. 1992. Regeneration in burned cypress swamps. *Florida Scientist* 55:62-64.
- Ewel, K.C. **1991**. Diversity in wetlands. *Evolutionary Trends in Plants* 5:90-92.



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- Ewel, K.C. 1991. Ecosystem experiments in wetlands. pp. 181-191 *In* H.A. Mooney, E. Medina, D.W. Schindler, E.-D. Schulze and B.H. Walker (eds.). Ecosystem experiments. SCOPE 45. John Wiley & Sons Ltd., London.
- Ewel, K.C. 1991. Forested wetlands [Book review]. *Trends in Ecology and Evolution* 6:170-17.
- Ewel, K.C. and H.L. Gholz. 1991. A simulation model of the role of belowground dynamics in a Florida pine plantation. *Forest Science* 37:397-438.
- Gholz, H.L., S.A. Vogel, W.P. Cropper, Jr., K. McKelvey, K.C. Ewel, R.O. Teskey, and P.J. Curran. 1991. Dynamics of canopy structure and light interception in *Pinus elliottii* stands of North Florida. *Ecological Monographs* 61:33-51.
- Kitchell, J.F., S.R. Carpenter, S. Bayley, K.C. Ewel, R.W. Howarth, S.W. Nixon, and D.W. Schindler. 1991. Aquatic ecosystem experiments in the context of global climate change: Working group report. pp. 229-235 *In* H.A. Mooney, E. Medina, D.W. Schindler, E.-D. Schulze, and B.H. Walker (eds.). Ecosystem experiments. SCOPE 45, John Wiley & Sons Ltd., London.
- Ewel, K.C. **1990**. Multiple demands on wetlands. *BioScience* 40:660-666.
- Ewel, K.C. 1990. Swamps. pp. 281-323 *In* R.L. Myers and J.J. Ewel (eds.). Ecosystems of Florida. University Presses of Florida, Gainesville.
- Ewel, K.C. 1990. Wildlife management in coastal marshes in Louisiana [Book review]. *Ecology* 71:417.
- Gholz, H.L., K.C. Ewel, and R.O. Teskey. 1990. Water and forest productivity. *Forest Ecology and Management* 30:1-18.
- Ewel, K.C. **1989**. Learning to simulate ecological models on a microcomputer. *Ecological Modelling* 47:7-17.
- Ewel, K.C. 1989. The role of women in ecology: A perspective from ecosystem scientists [Meeting review]. *Trends in Ecology and Evolution* 4:39-40.
- Ewel, K.C., H.T. Davis, and J.E. Smith. 1989. Recovery of Florida cypress swamps from clearcutting. *Southern Journal of Applied Forestry* 13:123-126.
- Brandt, K. and K.C. Ewel. 1989. Ecology and management of cypress swamps. University of Florida Extension Bulletin 252. 21p.
- Ewel, K.C. **1988**. Florida's freshwater swamps: Ecological relationships and management issues. ENFO 88-1:1-4,7-9.
- Ewel, K.C. 1988. The use of wetlands for wastewater treatment. *Water Quality Bulletin* 13:21-25, 32.
- Ewel, K.C. and L.P. Wickenheiser. 1988. Effect of swamp size on growth rates of cypress (*Taxodium distichum*) trees. *American Midland Naturalist* 120:362-370.
- Ewel, K.C. **1987**. The Big Cypress National Preserve [Book review]. *Wildlife Review* 207:657.
- Ewel, K.C. 1987. Use of models in resource management. pp.6-9 *In* S.V. Kossuth and N.A. Pywell (eds.). Current topics in forest research: Emphasis on contributions by women scientists. USDA Forest Service GTR SE-46.

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Ewel, K.C. and S. Atmosoedirdjo. 1987. Flower and fruit production in three north Florida ecosystems. *Florida Scientist* 50:216-222.

Ewel, K.C., W.P. Cropper, Jr., and H.L. Gholz. 1987. Soil CO<sub>2</sub> evolution in Florida slash pine plantations. I. Changes through time. *Canadian Journal of Forest Research* 17:325-329.

Ewel, K.C., W. P. Cropper, Jr., and H.L. Gholz. 1987. Soil CO<sub>2</sub> evolution in Florida slash pine plantations. II. Importance of root respiration. *Canadian Journal of Forest Research* 17:330-333.

Cropper, W.P., Jr., and K.C. Ewel. 1987. A regional carbon storage simulation for large-scale biomass plantations. *Ecological Modelling* 36:171-180.

Terwilliger, V.J. and K.C. Ewel. **1986**. Regeneration and growth after logging in Florida cypress domes. *Forest Science* 32:493-506.

Ewel, K.C. **1985**. Effects of harvesting cypress swamps on water quality and quantity. University of Florida Water Resources Research Center Publication No. 87.

Ewel, K.C. 1985. Responses of wetlands and neighboring ecosystems to wastewater. pp. 435-438 *In* P.J. Godfrey, E.R. Kaynor, S. Pelczarski, and J. Benforado (eds.). *Ecological considerations on wetlands treatment of municipal wastewater*. Van Nostrand Reinhold Co, New York NY.

Cropper, W.P., Jr., K.C. Ewel, and J.W. Raich. 1985. The measurement of soil CO<sub>2</sub> evolution *in situ*. *Pedobiologia* 28:35-40.

Ewel, K.C. **1984**. Effects of fire and sewage on understory vegetation in cypress domes. pp. 119-126. *In* K.C. Ewel and H.T. Odum (eds.). *Cypress swamps*. University Presses of Florida, Gainesville FL.

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